

Virginia Allred Stacey High School

Course Catalog
2024-2025



LACKLAND

Independent School District

Made By Miguel Garza



Stacey Endorsement Checklist

Multidisciplinary Studies

Program of Study	Level 1	Level 2	Level 3	Level 4
4 x 4	Four Core Year 1	Four Core Year 2	Four Core Year 3	Four Core Year 4
Advanced Course Work	AP/Dual Course 1	AP/Dual Course 2	AP/Dual Course 3	AP/Dual Course 4

Arts & Humanities

Program of Study	Level 1	Level 2	Level 3	Level 4
FINE ARTS	1st Year Fine Arts I	2nd Year Fine Arts II	3rd Year Fine Arts III	4th Year Fine Arts IV
Languages Other Than English (Same Language)	1st Year Foreign Language	2nd Year Foreign Language	3rd Year Foreign Language	4th Year Foreign Language
SOCIAL STUDIES	World Geography or Human Geography AP	World History or World History AP	US History or AP US History	Gov./Eco & Psychology/Sociology or AP European History

Business and Industry

Program of Study	Level 1	Level 2	Level 3	Level 4
CYBERSECURITY	Foundations of Cybersecurity	AP Computer Science Principles	AP Computer Science "A"	Cybersecurity Capstone
DESIGN & MULTIMEDIA ARTS	Digital Media	Graphic Design & Illustration 1	Animation 1	Graphic Design & Illustration 2
JOURNALISM	Advanced Journalism 1	Advanced Journalism 2	Advanced Journalism 3	Independent Study in Journalism
ROBOTICS & AUTOMATION TECHONOLGY	Principles of Applied Engineering	Robotics 1	Engineering Design & Presentation 1	Robotics 2

STEM

Program of Study	Level 1	Level 2	Level 3	Level 4
CYBERSECURITY	Foundations of Cybersecurity	AP Computer Science Principles	AP Computer Science "A"	Cybersecurity Capstone
NURSING SCIENCE	Principles of Health Science	Medical Terminology	Anatomy & Physiology	Pharmacology
ROBOTICS & AUTOMATION TECHONOLGY	Principles of Applied Engineering	Robotics 1	Engineering Design & Presentation 1	Robotics 2
STEM MATH	Algebra 1 or Algebra 1 Honors	Geometry or Geometry Honors	Algebra 2 or Algebra 2 Honors	Pre Calculus Honors and AP Calculus AB
STEM SCIENCE	Biology	Chemistry	Physics	2 Additional Advanced Science Courses

Public Service

Program of Study	Level 1	Level 2	Level 3	Level 4
FAMILY & COMMUNITY SERVICES	Principles of Human Services	Interpersonal Studies & Lifetime Nutrition & Wellness	Child Development	Family & Community Services
JROTC	Aerospace Science 1	Aerospace Science 2	Aerospace Science 3	Aerospace Science 4
NURSING SCIENCE	Principles of Health Science	Medical Terminology	Anatomy & Physiology	Pharmacology

STACEY JR/SR 2024-2025 COURSE LISTING

NO.	COURSE TITLE	GRADE	CREDIT	SERVICE ID	NO.	COURSE TITLE	GRADE	CREDIT	SERVICE ID
LANGUAGE ARTS					PHYSICAL EDUCATION				
1001	English 1	9	1	3220100	5102	Individual Team Sports	9-12	1	PE00055
1011	English 1 Honors	9	1	3220100	5103	Outdoor Adventure	9-12	1	PE00053
1002	English 2	10	1	3220207	5111	Athletics 1	9-12	1	PES00000
1012	English 2 Honors	10	1	3220207	5112	Athletics 2	10-12	1	PES00001
1003	English 3	11	1	3220300	5113	Athletics 3	11-12	1	PES00002
1013	AP English 3	11	1	A3220100	5114	Athletics 4	12	1	PES00003
1016	English 3 (Dual Credit) UT Permian Basin	11	1	3220300	5115	JROTC 1	9-12	1	PES00004
1004	English 4	12	1	3220400	5001	Health Education	8-12	½	03810100
1014	AP English 4	12	1	A3220200					
1019	English 4 (Dual Credit) UT Permian Basin	12	1	3220400					
1005	English 1 SOL	9-12	1	3200600					
1007	English 2 SOL	9-12	1	3200700					
1040	College Preparatory Course English Language Arts	12	1	CP110100					

NO.	COURSE TITLE	GRADE	CREDIT	SERVICE ID	NO.	COURSE TITLE	GRADE	CREDIT	SERVICE ID
MATHMATICS					LANGUAGES OTHER THAN ENGLISH				
2001	Algebra 1	9	1	3100500	6001	Spanish 1	9-11	1	3440100
2011	Algebra 1 Honors	8-9	1	3100500	6002	Spanish 2	9-12	1	3440200
2101	Geometry	10	1	3100700	6003	Spanish 3	10-12	1	3440300
2112	Geometry Honors	9-10	1	3100700	6114	AP Spanish 4	11-12	1	A3440100
2114	Algebraic Reasoning	10-12	1	3102540	6010	Beginning Spanish 1 (Dual Credit) UT Permian Basin	10-11	½	3440300
2009	Financial Mathematics	10-12	1	13018000	6011	Beginning Spanish II (Dual Credit) UT Permian Basin	10-11	½	3440300
2002	Algebra 2	10-12	1	3100600	6218	Second Year Spanish I (Dual Credit) UT Permian Basin	11-12	½	3440400
2012	Algebra 2 Honors	10-12	1	3100600	6219	Second Year Spanish II (Dual Credit) UT Permian Basin	11-12	½	3440400
2214	Pre-Calculus Honors	11-12	1	3101100					
2212	AP Calculus AB	11-12	1	A3100101					
2213	AP Statistics (Online)	11-12	1	A3100200					
2030	College Preparatory Course Mathematics	12	1	CP111200					

NO.	COURSE TITLE	GRADE	CREDIT	SERVICE ID
SCIENCE				
3001	Biology	9-10	1	3010207
3203	Integrated Physics and Chemistry	9-10	1	3060201
3101	Chemistry	10-11	1	3040000
3301	Environmental Systems	11-12	1	3020000
3201	Physics	10-12	1	3050000
3401	Human Anatomy & Physiology	12	1	13020600
3403	AP Environmental Science	11-12	1	A3020000

NO.	COURSE TITLE	GRADE	CREDIT	SERVICE ID	NO.	COURSE TITLE	GRADE	CREDIT	SERVICE ID
SOCIAL STUDIES					FINE ARTS				
4001	World Geography	9	1	3320100	7001	Art 1	8-12	1	3500100
4104	AP Human Geography	9-12	1	A3360100	7002	Art 2	10-12	1	3500200
4101	World History	10	1	3340400	7003	Art 3	11-12	1	3500300
4103	World History AP	10	1	A3370100	7004	Art 4	12	1	3500400
4105	European History AP	11-12	1	A3340200	7101	Band 1	8-12	1	3150900
4201	US History	11	1	3340107	7102	Band 2	10-12	1	3151000
4203	AP US History	11	1	A3340100	7103	Band 3	11-12	1	3151100
4301	Government	12	½	3330100	7104	Band 4	12	1	3151200
4308	AP U.S. Government	12	½	A3330100	7106	Band 5 (Music 1 Instru. Ensemble 1)	12	1	3151700
4309	Government (Dual Credit) UT Permian Basin	12	½	3330100	7107	Choir 1	8-12	1	3150900
					7108	Choir 2	10-12	1	3151000

4302	Economics	12	½	3310300	7109	Choir 3	11-12	1	3151100
4315	Macroeconomics (Dual Credit) UT Permian Basin	12	½	3310300	7110	Choir 4	12	1	3151200
4306	Psychology	10-12	½	3350100	7201	Theatre 1	8-12	1	3250100
4313	Intro to Psychology (Dual Credit) UT Permian Basin	12	½	3350100	7202	Theatre 2	10-12	1	3250200
4307	Sociology	10-12	½	3370100	7203	Theatre 3	11-12	1	3250300
4311	Sociology (Dual Credit) UT Permian Basin	12	½	3370100	7204	Theatre 4	12	1	3250400
4320	Personal Financial Literacy	10-12	½	3380082	7211	Technical Theatre 1	8-12	1	3250500
					7212	Technical Theatre 2	10-12	1	3250600
					7213	Technical Theatre 3	11-12	1	3251100
					7214	Technical Theatre 4	12	1	3251200

NO.	COURSE TITLE	GRADE	CREDIT	SERVICE ID	NO.	COURSE TITLE	GRADE	CREDIT	SERVICE ID
CAREER AND TECHNICAL EDUCATION					OTHER ELECTIVES				
2009	Financial Mathematics	10-12	1	13018000	1302	Adv. Journalism Yearbook 1	9-12	1	03230110
8210	Prin. Of Human Services	9-12	1	13024200	1303	Adv. Journalism Yearbook 2	10-12	1	03230120
8203	Lifetime Nutrition & Wellness*	9-12	½	13024500	1304	Adv. Journalism Yearbook 3	11-12	1	03230130
8204	Interpersonal Studies	9-12	½	13024400	8404	Independent Study in Journalism	12	1	03231000
8232	Child Development	10-12	1	13024700	1500	AVID 1 Advancement Via Individual Determination	9-12	1	N1290001
8202	Family & Community Services	10-12	1	13024900	1501	AVID 2 Advancement Via Individual Determination	9-12	1	N1290002
8303	Digital Media	9-10	1	13027800	1502	AVID 3 Advancement Via Individual Determination	9-12	1	N1290030
8304	Graphic Design & Illustration I*	9-12	1	13008800	1503	AVID 4 Advancement Via Individual Determination	9-12	1	N120033
8501	Animation I	10-12	1	13008300	1802	ROTC 1 (if not beign used as a PE substitute)	9-12	1	03160100
8300	Graphic Design & Illustration II*	10-12	1	13008900	1803	ROTC 2	10-12	1	03160200
8305	Foundations of Cyber Security	9-10	1	3580850	1804	ROTC 3	11-12	1	03160300
8419	AP Computer Science Principles	9-12	1	AP3580300	1805	ROTC 4	11-12	1	03160400
8407	AP Computer Science A	9-12	1	A3580110 / A3580120	8902	Teacher Aide/AVID Tutor	11-12	Local Credit	85000XXX
8420	Cybersecurity Capstone*	11-12	1	3580855	1600	Path College Career Prep 1	9-12	1	N1290051
8600	Principles of Applied Engineering*	9-10	1	13036200	1601	Path College Career Prep 2	10-12	1	N1290052
8410	Engin. Design & Presentation I*	9-12	1	13036500	1602	Path College Career Prep 3	11-12	1	N1290053
8502	Robotics 1	9-10	1	13037000	1603	Path College Career Prep 4	12	1	N1290054
8503	Robotics 2	10-12	1	13037050					
8500	Professional Communcations	8-12	1	13009900					
8241	Principles of Health Science	9-10	1	13020200					
8242	Medical Terminology	9-12	1	13020300					
8244	Pharmacology	11-12	1	13020950					

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Indicates Course with an Industry Based Certification Exam

Graduation Requirements for Students Entering 9th Grade 2014-2015 School Year & Beyond

Graduation Requirements		
	FOUNDATION	FOUNDATION + ENDORSEMENT (State Distinguished) Eligible for Top 10% Automatic Admission
English	4 credits <ul style="list-style-type: none"> • English I* • English II* • English III • An advanced English course 	4 credits <ul style="list-style-type: none"> • English I* • English II* • English III • An advanced English course
Mathematics	3 credits <ul style="list-style-type: none"> • Algebra I* • Geometry • An additional Math Course 	4 credits <ul style="list-style-type: none"> • Algebra I* • Geometry • Algebra II • An additional Math Course
Science	3 credits <ul style="list-style-type: none"> • Biology* • IPC or advanced Science • An advanced Science course 	4 credits <ul style="list-style-type: none"> • Biology* • IPC or advanced Science • 3rd advanced Science** • 4th advanced Science course**
Social Studies	3 credits <ul style="list-style-type: none"> • World History or World Geography • US History* • Government/Economics 	4 credits <ul style="list-style-type: none"> • World History • World Geography • US History* • Government/Economics
Foreign Language or Computer Science Programing	2 credits <ul style="list-style-type: none"> • In same language or alternative 	2 credits <ul style="list-style-type: none"> • In same language or alternative
Physical Education	1 credit	1 credit
Fine Arts	1 credit	1 credit
Professional Communications	½ credit (local graduation requirement)	½ credit (local graduation requirement)
Health Education	½ credit (local graduation requirement)	½ credit (local graduation requirement)
Electives	4 credits	5 credits
TOTAL	22	26

*Course has a required EOC assessment, students must meet Level II: Satisfactory performance on all 5 EOC Assessments.

**Stacey JR/SR HS strongly recommends the student select Physics and Chemistry for college admissions and success.

***Stacey JR/SR HS will accept speech credit from other school districts provided it is listed on the student's transcript.

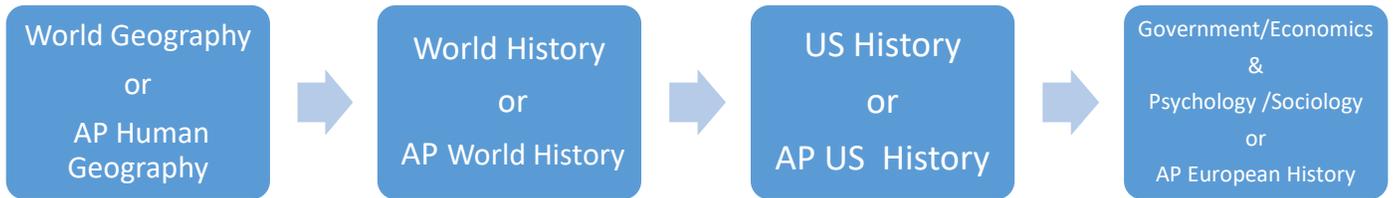
Distinguished level of Achievement: Must complete 4 levels of Math, including Algebra II, 4 Credits of Science, the remaining curriculum requirements, and the curriculum endorsements for at least one endorsement. Students must earn Distinguished Level of Achievement in order to be eligible for top 10% Automatic Admission to institutions of higher learning.

Performance Acknowledgements may be earned in: (1) Dual Credit (12 hours) with grade of B or higher, (2) AP test (3,4 or 5), (3) Performance on the PSAT, ACT, or SAT, (4) For earning a nationally or internationally recognized business or industry certification or license.

Arts & Humanities

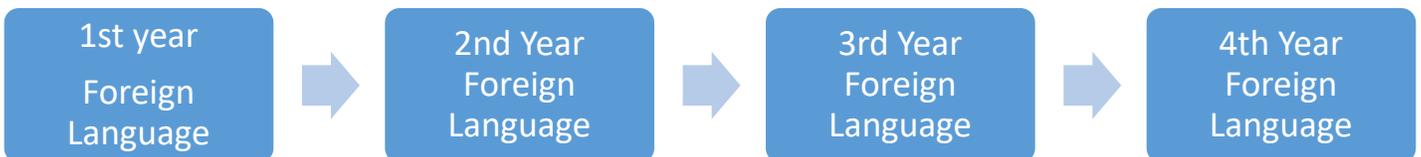
Programs of Study Sequence

Social Studies

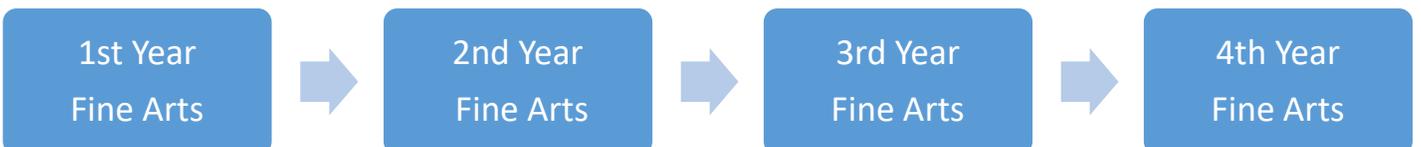


Psychology/Sociology can be taken during Junior or Senior year.

Languages Other Than English



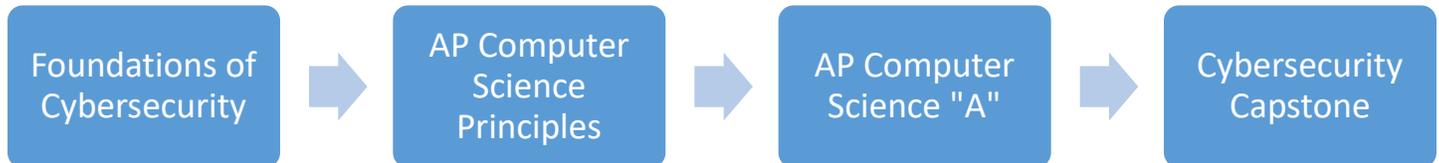
Fine Arts



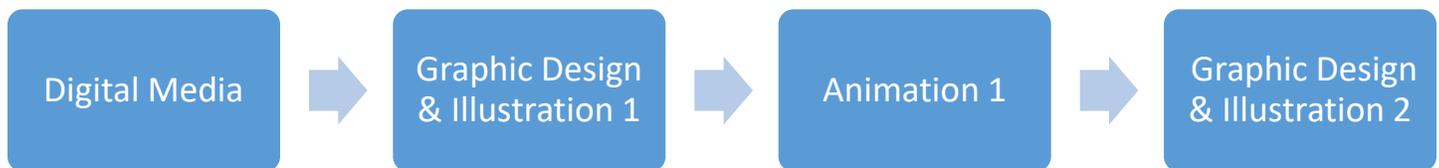
Business and Industry

Programs of Study Sequence

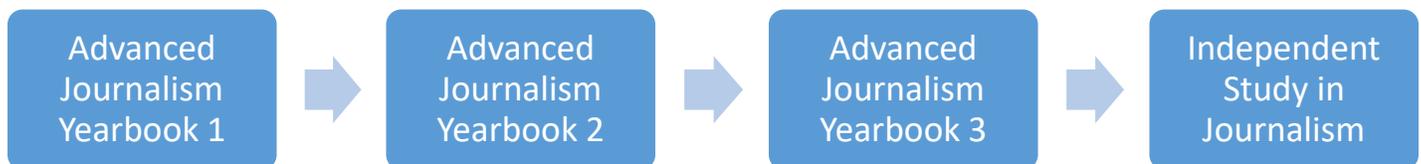
Cybersecurity



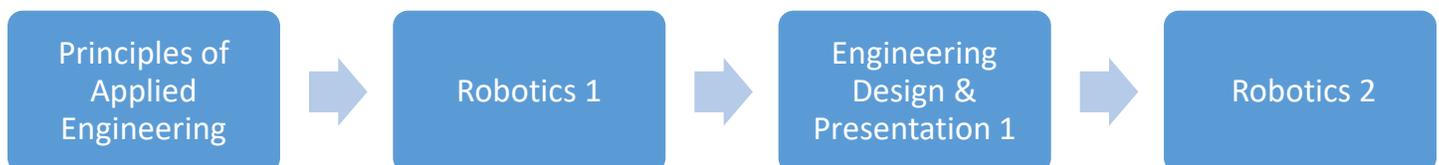
Graphic Design & Interactive Media



Journalism



Robotics and Automation Technology

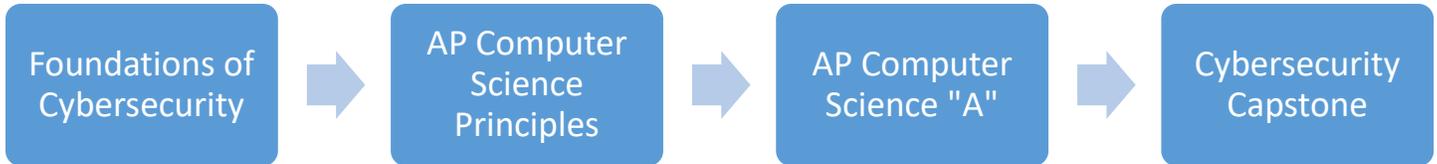


(STEM)

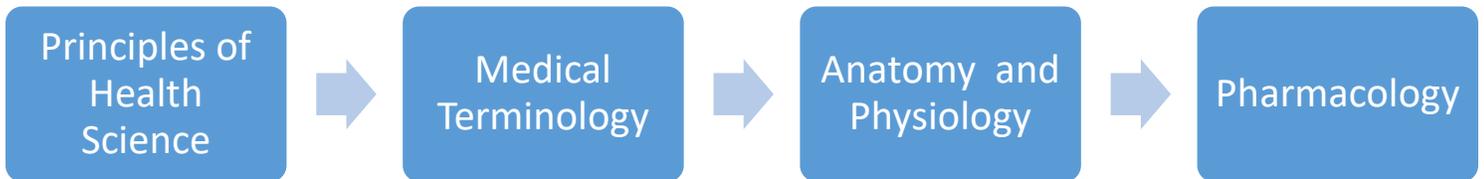
Science, Technology, Engineering, Mathematics

Programs of Study Sequence

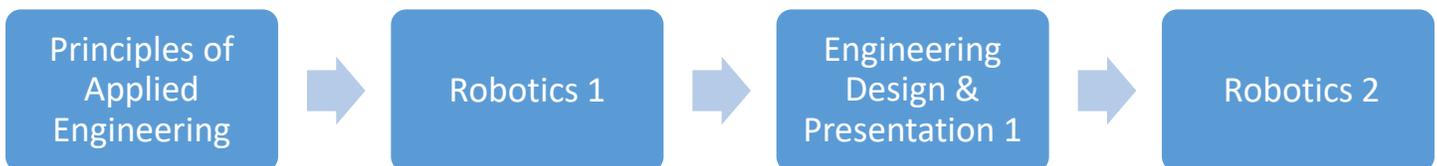
Cybersecurity



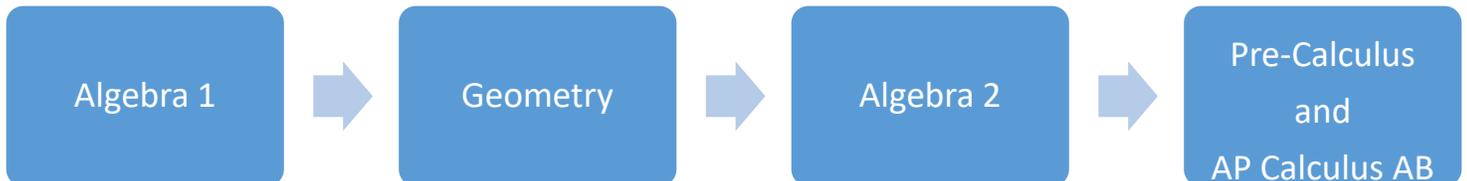
Nursing Science



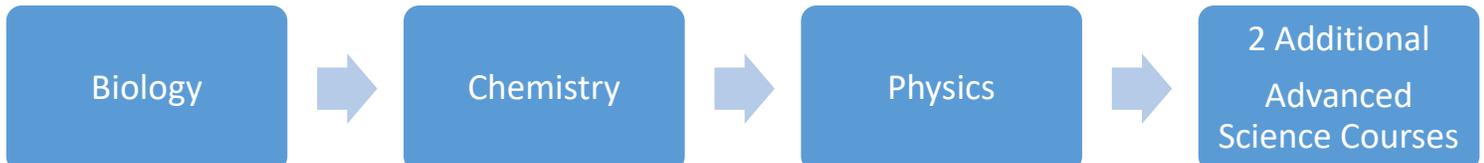
Robotics and Automation Technology



STEM Math



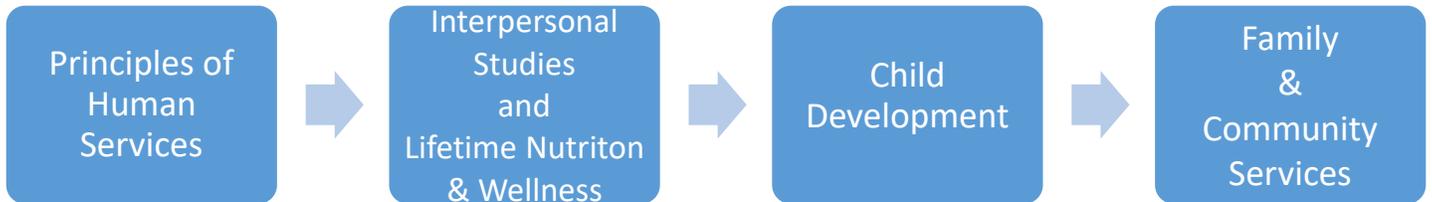
STEM Science



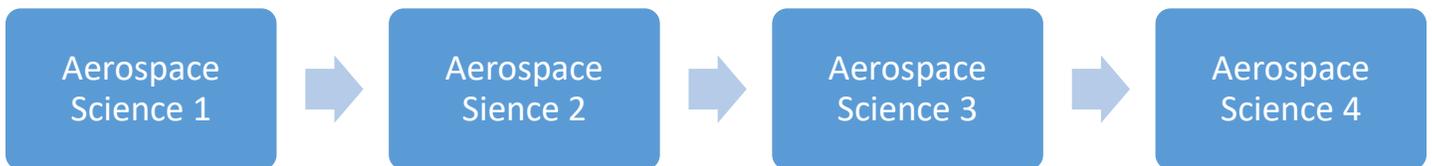
Public Services

Program of Study Sequence

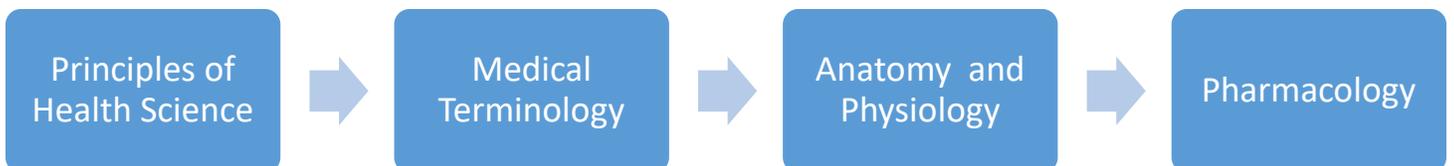
Family and Community Services



JROTC



Nursing Science



Multidisciplinary

Program of Study Sequence

4 x 4

(Four Credits in each of the four foundation subject areas to include: English IV and Chemistry and/or Physics)

Advanced Course Work

(Four Credits in AP or Dual Credit selected from English, Mathematics, Science, Social Studies, Economics, Languages Other Than English, or Fine Arts)

Graduation Plan Decision Making Chart

Major Area of Academic Focus	Minor Area of Academic Focus
<p>Arts & Humanities</p> <ul style="list-style-type: none"> <input type="checkbox"/> Art <input type="checkbox"/> Band <input type="checkbox"/> Choir <input type="checkbox"/> Theater Arts <input type="checkbox"/> Social Studies <input type="checkbox"/> Language Other Than English <p>Business & Industry</p> <ul style="list-style-type: none"> <input type="checkbox"/> Journalism <input type="checkbox"/> Design and Multimedia Arts <input type="checkbox"/> Advanced Manufacturing and Machinery Mechanics <p>Public Services</p> <ul style="list-style-type: none"> <input type="checkbox"/> JROTC <input type="checkbox"/> Family and Community Services <p>STEM (Science, Technology, Engineering & Math)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Focus <input type="checkbox"/> Science Focus <input type="checkbox"/> Cybersecurity <input type="checkbox"/> Nursing Science <p>Multidisciplinary</p> <ul style="list-style-type: none"> <input type="checkbox"/> 4x4 <input type="checkbox"/> Advanced Coursework 	<p>Arts & Humanities</p> <ul style="list-style-type: none"> <input type="checkbox"/> Art <input type="checkbox"/> Band <input type="checkbox"/> Choir <input type="checkbox"/> Theater Arts <input type="checkbox"/> Social Studies <input type="checkbox"/> Language Other Than English <p>Business & Industry</p> <ul style="list-style-type: none"> <input type="checkbox"/> Journalism <input type="checkbox"/> Design and Multimedia Arts <input type="checkbox"/> Advanced Manufacturing and Machinery Mechanics <p>Public Services</p> <ul style="list-style-type: none"> <input type="checkbox"/> JROTC <input type="checkbox"/> Family and Community Services <p>STEM (Science, Technology, Engineering & Math)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Focus <input type="checkbox"/> Science Focus <input type="checkbox"/> Cybersecurity <input type="checkbox"/> Nursing Science <p>Multidisciplinary</p> <ul style="list-style-type: none"> <input type="checkbox"/> 4x4 <input type="checkbox"/> Advanced Coursework

Directions:

Select a **Major** and **Minor** that interests you. You will be taking courses in both your **Major** and **Minor** for the first two years of high school. This will give you an opportunity to explore two pathways and then select which one you would prefer to pursue towards high school graduation and beyond. You will use this information to build your Personal Graduation Plan.

Student Signature: _____

Date: _____

Projected Year of Graduation: _____

Parent Signature: _____

Date: _____

ENGLISH

English I

03220100

Credit: 1	Semesters: 2
Recommended Prerequisite(s): None	Grade: 9

Emphasis of balanced instruction is placed on communication in reading, writing, listening, and speaking. Writing includes emphasis in organizing logical arguments and reading focuses upon a collection of literature from around the world in multi-genre form.

English I Honors

03220100

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Teacher Recommendation	Grade: 9

Emphasis of balanced instruction is placed on communication in reading, writing, listening, and speaking. Writing includes emphasis in organizing logical arguments and reading focuses upon a collection of literature from around the world in multi-genre form. Students are introduced to the concepts and strategies of the AP Exam.

English II

03220200

Credit: 1	Semesters: 2
Recommended Prerequisite(s): English I	Grade: 10

Instruction in this course includes a balance of reading, writing, speaking and listening with appropriate skill development in composition, literature, grammar, and usage.

English II Honors

03220200

Credit: 1	Semesters: 2
Recommended Prerequisite(s): English I Honors	Grade: 10

The curriculum covers the standard course curriculum, and includes additional vocabulary, reading and writing assignments to introduce concepts and test strategies of the AP exam. Instruction in this course includes a balance of reading, writing, speaking and listening with appropriate skill development in composition, literature, grammar, and usage.

English III

03220300

Credit: 1	Semesters: 2
Recommended Prerequisite(s): English II	Grade: 11

Students continue building upon prior knowledge in the areas of reading, writing, listening, and speaking. Reading focuses upon American literature and the writing emphasizes business forms.

AP English III -- English Language & Composition

A3220100

Credit: 1	Semesters: 2
Recommended Prerequisite(s): English II Honors	Grade: 11

In this English Language and Composition course, students will be engaged in reading a broad range of prose from a variety of periods with emphasis placed on non-fiction in order to deepen their understanding of rhetoric and how language functions. Additionally, students will complete frequent writing assignments for a variety of purposes in order to strengthen their composition skills. Together, the writing and the reading will make the students more attuned to author's purpose, audience, and the subject. The compositions will also enhance the students' ability to control mechanical conventions, syntax, word choice, tone, etc., and contribute to their ultimate effectiveness in writing.

AP follows the curriculum outlined by the College Board. This college level course requires extensive work outside of class. After completion of the class, students will take the AP exam. A high score on the exam may award college credit. Check with the individual college to determine the scores needed for credit.

English III Dual Credit- Composition I (½) & Composition II (½)**03220300**

Credit: 1	Semesters: 2
Prerequisite(s): TSIA2 Reading & Writing, Completion of Dual Credit Enrollment Process	Grade: 11

Composition I focuses on principles and techniques, which may include documentation, of written, expository, and persuasive composition; analysis of literary, expository, and/or persuasive texts; emphasis on critical thinking. Composition II focuses on principles and techniques of written, expository, and persuasive composition; analysis of literary, expository, and/or persuasive texts; emphasis on critical thinking. Students in this course are dually enrolled at both Stacey Jr/Sr High School and The University of Texas Permian Basin. Students participate in online coursework as outlined by The University of Texas Permian Basin.

English IV**03220400**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): None	Grade: 12

Instruction in this course includes a balance of reading, writing, speaking and listening with appropriate skill development in composition, language, and reading. British literature pieces are chosen for their thematic connections and for real world relevance. Students will carry out a multi-genre research project on an issue or topic of contemporary significance.

AP English IV -- English Literature & Composition**A3220200**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): AP English III	Grade: 12

Instruction in this course includes a balance of reading, writing, speaking and listening with appropriate skill development in composition, language, and reading. British literature pieces are chosen for their thematic connections and for real world relevance. Students will carry out a multi-genre research project on an issue or topic of contemporary significance. AP follows the curriculum outlined by the College Board. This college level course requires extensive work outside of class. After completion of the class, students will take the AP exam. A high score on the exam may award college credit. Check with the individual college to determine the scores needed for credit.

English IV Dual Credit – British Literature to 1800 (½) & British Literature since 1800 (½)**03220400**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): TSIA2 Reading & Writing, Completion of Dual Credit Enrollment Process	Grade: 12

British Literature ENGL 2322 This class is a broad survey of British Literature roughly from the Middle Ages to 1800. We will study representative examples of the prose, poetry, and drama of that time. Our purpose is to study these texts in their original historical and cultural contexts that we may learn what they teach us about the development of British culture before 1800 and how that culture influences our world today.

British Literature ENGL 2323 This course is devoted to the study and understanding of major literary works and their social and cultural contexts from the Romantic era to the present. During the semester, our focus will often be on the extraordinary variety of major genres, literary modes, and forms of British literature.

English I & II SOL (Speakers of Other Languages)**03200600/03200700**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Placement Requirements	Grade: 9 - 12

This class provides students who are learning English the opportunity to acquire and practice new language skills. Emphasis is on providing an atmosphere where the student can practice and use oral language skills. Comprehension skills, writing activities, language usage, and listening activities are emphasized and encouraged. Awareness of American cultural patterns and life skills are also provided through the ESOL class. ESOL I & II meets the English I & II graduation requirement. ****Placement in this class is based on home language survey, test results, LPAC recommendation and parental approval.**

College Preparatory Course English Language Arts**CP110100**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Counselor Recommendation	Grade: 12

This course prepares students for entry-level college coursework. Eligible 12th grade students must have credit for English 1, 2, and 3. A student must have achieved at least the Approaches Grade Level standard on the English 1 and English 2 End of Course Exam. A student must earn a 75 or above in the course to demonstrate college readiness and be eligible to enroll in an entry-level college English course

MATHEMATICS

Algebra I

03100500

Credit: 1	Semesters: 2
Prerequisite(s): None	Grade: 9

In this course, students will build on the knowledge and skills for mathematics in Grades 6-8, which provide a foundation in linear relationships, number and operations, and proportionality. More specifically,

- Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions.
- Students will connect functions and their associated solutions in both mathematical and real-world situations.
- Students will use technology to collect and explore data and analyze statistical relationships.
- Students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents.
- Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Algebra Honors

03100500

Credit: 1	Semesters: 2
Prerequisite(s): Teacher Recommendation	Grade: 8-9

Algebra 1 Honors is a higher-level extension of Algebra 1 meant to prepare students to continue in Honors and AP mathematics courses.

Geometry

03100700

Credit: 1	Semesters: 2
Prerequisite(s): Algebra I	Grade: 10

In Geometry, students continue to build on the K-8 and Algebra 1 foundations as they expand their understanding through other mathematical experiences. Through geometry, students begin to understand the world around them from a mathematical perspective. The course is designed to develop reasoning skills applicable to all fields of thought and to apply them to problem solving situations. Students in this course do this analytically, logically, and conceptually and use a variety of resources to help them see and better understand the world around them. These resources include, but are not limited to, dynamic geometry software, wireless and interactive calculators, and a variety of iPad Apps with the intent of addressing students' varied learning styles. We will do this by focusing our attention on four major areas of study: Geometric Structure, Congruence, Similarity, and Two- and Three-Dimensional Measurement.

Geometry Honors

03100700

Credit: 1	Semesters: 2
Prerequisite(s): Algebra I, Teacher Recommendation	Grade: 9 - 10

Geometry Honors is a higher-level extension of geometry meant to prepare students to continue in Honor and AP mathematics courses.

Algebraic Reasoning**03102540**

Credit: 1	Semesters: 2
Prerequisite(s): Algebra I, Geometry, Teacher Recommendation	Grade: 10-12

In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that include 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.

Financial Mathematics**13018000**

Credit: 1	Semesters: 2
Prerequisite(s): Algebra I	Grade: 10 - 12

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

Algebra II**03100600**

Credit: 1	Semesters: 2
Prerequisite(s): Algebra I, Geometry, Algebraic Reasoning, Teacher Recommendation	Grade: 10 - 12

In this course students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I.

- Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations.
- Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations.
- Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations.
- Students will extend their knowledge of data analysis and numeric and algebraic methods.

Algebra II Honors**03100600**

Credit: 1	Semesters: 2
Prerequisite(s): Algebra I, Geometry, Teacher Recommendation	Grade: 10 - 11

This course is designed for students who will advance to Pre-Calculus. It covers the same material as Algebra II, but with greater emphasis and depth on functional relationships and their graphs. Algebra II Honors lays the foundation for preparing students to take the Calculus Advanced Placement test.

Pre-Calculus Honors**03101100**

Credit: 1	Semesters: 2
Prerequisite(s): Algebra 1 & 2, Geometry, Teacher Recommendation	Grade: 11-12

Pre-Calculus Honors is an advanced mathematics course which provides an introduction to Calculus. It includes the study of polynomial, rational, exponential, and logarithmic functions, trigonometry, analytic geometry, sequences and series, probability, statistics and data analysis.

AP Calculus AB**A3100101**

Credit: 1	Semesters: 2
Prerequisite(s): Pre-Calculus Honors, Teacher Recommendation	Grade: 11 - 12

AP calculus AB is a college level course primarily concerned with developing students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed geometrically, numerically, analytically, and verbally. The connections among these representations also are important. Broad concepts and widely applicable methods are emphasized. The focus of the course is neither manipulation nor memorization of an extensive taxonomy of functions, curves, theorems, or problem types. Thus, although facility with manipulation and computational competence are important outcomes, they are not the core of this course. Technology is used regularly by students and teachers to reinforce the relationships among the multiple representations of functions, to confirm written work, to implement experimentation, and to assist in interpreting results. These resources include, but are not limited to, dynamic geometry software, wireless and interactive calculators, and a variety of iPad Apps with the intent of addressing students' varied learning styles.

Through the use of the unifying themes of derivatives, integrals, limits, approximation, and application and modeling, the course becomes a cohesive whole rather than a collection of unrelated topics.

AP follows the curriculum outlined by the College Board. This college level course requires extensive work outside of class.

After completion of the class, students will take the AP exam. A high score on the exam may award college credit. Check with the individual college to determine the scores needed for credit.

AP Statistics A & B (UT High School Online)**A3100200**

Credit: 1	Semesters: 2
Prerequisite(s): Pre-Calculus Honors, AP Calculus, Teacher Recommendation	Grade: 11 - 12

Studying statistics will help you better understand how to collect and analyze data as well as how to read experiments and studies with a more critical eye. AP[®] Statistics is part of a two-semester course sequence. Completing both courses will prepare you for the College Board Advanced Placement exam and for taking statistics at the university level. The first semester focuses on collecting and presenting data, probability, and how to conduct surveys, studies, and experiments. The second semester focuses on sampling distributions, confidence intervals, tests of significance, and review of Semester A topics. The practice of statistics is a useful tool to better understand the world around us, and therefore the concepts are presented in a context of real-world scenarios.

Each semester consists of:

- 12 Graded Assignments
- 1 final exam (taken in-person)

The final examination is comprehensive; it covers the material from all units. To pass the course, you must receive a grade of 70 percent or better. You can apply to take the Final Exam after 100 percent of your graded assignments have been submitted, and at least 70 percent have been graded and returned to you.

You must take and pass each semester's final exam to receive credit for the course. After taking the semester B exam, you may take the AP[®] Statistics exam offered by the College Board, but it is not required to receive credit for the course from UT High School.

Advanced Placement (AP[®]) courses are equivalent to college-level courses. We highly recommend that you read the College Board's [AP[®] Statistics Course Overview](#) and [AP[®] Statistics Course Description](#) before beginning this course.

College Preparatory Course Mathematics**CP111200**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Counselor Recommendation	Grade: 12

This course prepares students for entry-level college coursework. Eligible 12th grade students must have credit for Algebra 1, and Geometry. A student must have achieved at least the Approaches Grade Level standard on the Algebra 1 End of Course Exam. A student must earn a 75 or above in the course to demonstrate college readiness and be eligible to enroll in an entry-level college math course.

SCIENCE

Integrated Physics & Chemistry (IPC)

03060201

Credit: 1	Semesters: 2
Prerequisite(s): None	Grade: 9 - 10

Students study energy states related to mechanical, heat, sound, light, magnetic, and electrical phenomena. They also explore the properties of matter, chemical changes, and solutions. Students develop skills in observing, recording and interpreting data. Practical applications and career opportunities are explored. Texas law requires 40% field and laboratory experience during the course.

Biology (BIO)

03010200

Credit: 1	Semesters: 2
Prerequisite(s): None	Grade: 9 - 10

This course provides a conceptual knowledge of biology as outlined in the Texas Essential Knowledge and Skills. It emphasizes critical thinking skills, problem solving and laboratory experiences. Students will make informed decisions on biological topics in the world today such as ecology, organization of cells, energy transformation, cell reproduction, genetics, and evolutionary processes.

Chemistry (CHEM)

03040000

Credit: 1	Semesters: 2
Prerequisite(s): Biology, Algebra 1	Grade: 10 - 12

Chemistry includes a descriptive study of matter and energy, atomic structure, chemical formulas, equations, bonding, kinetic theory, gas laws, nuclear chemistry, and their mathematical relationships. This laboratory-based course emphasizes the practical applications of chemistry. Texas law requires 40% field and laboratory experience during the course.

Physics (PHYSICS)

03050000

Credit: 1	Semesters: 2
Prerequisite(s): Biology, Algebra 1, Geometry	Grade: 10 - 12

Physics includes a descriptive analysis of equilibrium, motion, momentum, energy, forces, waves, thermodynamics, and quantum phenomena. It emphasizes practical applications, problem solving, critical thinking, and conceptual knowledge. Texas law requires 40% field and laboratory experience during the course.

Human Anatomy & Physiology

13020600

Credit: 1	Semesters: 2
Prerequisite(s): (Biology), (Chemistry or IPC or Physics)	Grade: 11 - 12

This course includes the in-depth study of cells and tissues; it focuses on the human circulatory, digestive, muscular, excretory, skeletal, respiratory, and skeletal systems and introduces anatomical terminology. Students will dissect a fetal pig and will take practicum exams over the fetal pig anatomical structures. Field and laboratory experiences and a research component are required.

Environmental Systems**03020000**

Credit: 1	Semesters: 2
Prerequisite(s): (Biology), (IPC, Chemistry or Physics)	Grade: 11 - 12

This is a laboratory course that investigates problems that affect longterm survival of the earth. Topics covered include ecology, aquatic and terrestrial ecosystems, water and air pollution, atmospheric science (global warming), waste disposal, conservation of resources, alternative fuel sources, and the earth's energy sources.

AP Environmental Science A & B**A3020000**

Credit: 1	Semesters: 2
Prerequisite(s): Biology, Chemistry, Teacher Recommendation	Grade: 11-12

AP Environmental Science is a college-level, introductory course covering the varied aspects and scientific principles of environmental science. This is both a lab and text-based course; the course places special emphasis on the processes and skills involved with laboratory and field research, as well as literary analysis and study. Students also learn methods for analyzing and interpreting information, including experimental data. The goal of this class is to prepare students to pass the AP Environmental Science exam, but most importantly, to become critical thinkers with regards to environmental concepts and issues.

** Required Saturday Field Trip to the San Antonio Pearl, should an individual student be unable to attend an alternate assignment will be offered.

SOCIAL STUDIES

World Geography

03320100

Credit: 1	Semesters: 2
Prerequisite(s): None	Grade: 9

This course is designed to provide an opportunity for students to study themes of Geography. The themes include the forms of economies, governments, groups, religions, beliefs, arts, labor, physical features and climate, as well as current issues affecting each region. The students will learn the physical geography and human geography of the Earth.

World History

03340400

Credit: 1	Semesters: 2
Prerequisite(s): World Geography or AP Human Geography	Grade: 10

This course includes further study of the history and development of world cultures encountered in the earlier secondary social studies courses. Content includes the development of early civilization, western civilization and other world regions from their early days to present. Students should be better able to understand world events that may arise in the present and in the future. An attempt is made to show the interrelationships in the world with stress on the way one period on history may influence a succeeding period.

AP World History

A3370100

Credit: 1	Semesters: 2
Prerequisite(s): World Geography or AP Human Geography	Grade: 10

AP World History is a rigorous, college-level course designed to explore human history from 8000 B.C.E. to the present. We will emphasize the development of analytical and writing skills necessary for success on a collegiate level. To this end, the course devotes considerable time to the critical evaluation of primary and secondary sources, analysis of historiography (The principles, theories, or methodology of scholarly historical research and presentation) and inquiry into global connections that have shaped our present world. A special emphasis will be given to preparation for the National AP Exam, including historical writing through essay and document-based questions (DBQ) as well as objective evaluations. AP follows the curriculum outlined by the College Board. This college level course requires extensive work outside of class. After completion of the class, students will take the AP exam. A high score on the exam may award college credit. Check with the individual college to determine the scores needed for credit.

United States History Studies Since 1877

03340100

Credit: 1	Semesters: 2
Recommended Prerequisite(s): World History	Grade: 11

This is a one-year course (the second year of study of U.S. History). It continues the focus from 8th grade; the history, geography, and political and economic growth of the nation; the theme of culture as a characteristic of American society, past and present including significant individuals, issues and events after the period of Reconstruction to the present.

AP United States History Since 1877 A & B**A3340100**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): World History	Grade: 11

AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

AP European History**A3340200**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): World History	Grade: 11-12

AP European History is designed to be the equivalent of a two-semester introductory college or university European history course. In AP European History students investigate significant events, individuals, developments, and processes in four historical periods from approximately 1450 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 comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; individual and society; and national and European identity.

Economics with Emphasis on the Free Enterprise Systems and Its Benefits**03310300**

Credit: ½	Semesters: 1
Recommended Prerequisite(s): US History	Grade: 12

This is a one-semester course that provides opportunity to study basic principles concerning macroeconomics and microeconomics; including personal finance, production, consumption, and distribution of goods and services. Content builds an understanding of the components of the free enterprise system. Students study concepts such as supply and demand, the banking system, comparative economic systems, and the national economy.

Principles of Macroeconomics Dual Credit (UT Permian Basin-Online)**03310300**

Credit: ½	Semesters: 1
Prerequisite(s): US History, (TSIA2 REQUIREMENT Reading, Writing, & Math), Completion of Dual Credit Enrollment Process	Grade: 12

This is a one-semester course that provides opportunity to study basic principles concerning macroeconomics. Economic principles are studied within the historical framework of classical, Keynesian, monetarist and alternative models. Emphasis is given to national income determination, money and banking, and the role of monetary and fiscal policy in economic stabilization and growth. Other topics include international trade and finance.

United States Government**03330100**

Credit: ½	Semesters: 1
Recommended Prerequisite(s): US History	Grade: 12

This is a one-semester course that provides an opportunity to study, in depth, the foundation of the U.S. political system; to analyze the political institutions, process and values of the system; to trace the development of the U.S. governmental system; and to analyze the structure and functions of government on local, state and federal levels.

Government Dual Credit – Federal Government (UT Permian Basin-Online) 03330100

Credit: ½	Semesters: 1
Prerequisite(s): US History (TSIA2 REQUIREMENT Reading, Writing), Completion of Dual Credit Enrollment Process	Grade: 12

This course focuses on the origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights. Students in this course are dually enrolled at both Stacey Jr/Sr High School and UT Permian Basin-Online. Students participate in online coursework as outlined by UT Permian Basin-Online.

AP US Government and Politics A3330100

Credit: ½	Semesters: 1
Prerequisite(s): US History	Grade: 12

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project.

Psychology 03350100

Credit: ½	Semesters:
Recommended Prerequisite(s): None	Grade: 12

This one semester course gives students the opportunity to study individual and group psychology. Students learn how the knowledge, methods, and theories of psychologists are applied to analyzing human behavior. Course content is organized to help students develop critical attitudes toward superficial generalizations about human behavior, to recognize the tentativeness of propositions about human behavior, and to achieve a better understanding of behavior in general.

Into to Psychology Dual Credit (UT Permian Basin-Online) 03350100

Credit: ½	Semesters:
Prerequisite(s): (TSIA2 REQUIREMENT Reading, Writing), Completion of Dual Credit Enrollment Process	Grade: 12

This one semester course gives students the opportunity to study individual and group psychology. Students learn how the knowledge, methods, and theories of psychologists are applied to analyzing human behavior. Course content is organized to help students develop critical attitudes toward superficial generalizations about human behavior, to recognize the tentativeness of propositions about human behavior, and to achieve a better understanding of behavior in general.

Sociology 03370100

Credit: ½	Semesters: 1
Recommended Prerequisite(s): None	Grade: 12

This is a one semester course that provides an opportunity for the systematic study of individuals, groups, and social institutions. Content includes such concepts as social stratification and mobility; cultural conflict, change and contract; the structure and function of social institutions; and the role of mores, traditions, and folkways in a society.

Sociology Dual Credit (UT Permian Basin-Online)**03370100**

Credit: ½	Semesters: 1
Prerequisite(s): (TSIA2 REQUIREMENT Reading, Writing), Completion of Dual Credit Enrollment Process	Grade: 12

Students are introduced to the basic concepts and theories used to study the nature of social processes and the structure of society. By the end of this course, students will be able to:

- Examine social institutions and processes across a range of historical periods, social structures, and cultures.
- Use and critique alternative explanatory systems or theories and to appraise differences and issues pertaining to race, gender, sexual orientation, social class, age, physical ability and other characteristics that form bases for personal and institutional discrimination.
- Develop and communicate alternative explanations or solutions for contemporary social issues.
- Analyze the effects of historical, social, political, economic, cultural, and global forces on the area under study.
- Recognize and apply reasonable criteria for the acceptability of historical evidence and social research.
- Identify and understand differences and commonalities within diverse cultures.

Personal Financial Literacy**03380082**

Credit: ½	Semesters: 1
Recommended Prerequisite(s): None	Grade: 9-12

Personal Financial Literacy is a one semester course that will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lives and understand personal financial responsibility. The knowledge gained in this course will have far-reaching effects for students personally as well as the economy as a whole. When citizens make wise financial decisions, they gain opportunities to invest in themselves, build businesses, consume goods and services in a responsible way, and secure a future without depending on outside assistance. The economy benefits from the optimal use of resources, increased consumption, and strong local businesses. State and local governments benefit with steady revenue streams and reduced future obligations as our society ages. One half credit is awarded for successful completion.

AP Human Geography A & B**A3360100**

Credit: 1	Semesters: 2
Prerequisite(s): Teacher Recommendation	Grade: 9-12

Advanced Placement® Human Geography is a yearlong course. One-half credit is awarded for successful completion of each semester. Students will be eligible for World Geography credit through this course. The specific units examined during the course include population geography, cultural geography, political geography, agricultural and rural geography, industrial geography, and urban geography. This course is structured according to the course outline found in the most recent AP® Human Geography Course Description published by the college board. This AP® course is a demanding college course set in a high school, and students are expected to commit to completing class assignments and study for exams. Students are expected to take the AP® exam at the end of the course and may potentially earn college placement or credit based upon exam performance.

LANGUAGES OTHER THAN ENGLISH

Spanish I

03440100

Credit: 1	Semesters: 2
Recommended Prerequisite(s): None	Grade: 9 - 12

This course is designed as a beginning class in Spanish. Students will develop initial listening, speaking, reading, and writing skills with emphasis placed on enabling students to function in practical situations. Among other topics, they will learn how to talk about themselves, friends, families, interests, and daily activities. They will also learn about the culture and people of selected Spanish-speaking countries.

Spanish II

03440200

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Spanish I	Grade: 9 - 12

This course reinforces and further develops listening, speaking, reading, and writing skills acquired in Spanish I. Continued emphasis will be placed on practical use of the language. Students will extend their ability to communicate about topics such as recreational activities, travel, food, school experiences, health, careers, and family relationships. Students will further develop their appreciation of Spanish-speaking people and their cultures.

Spanish III

03440300

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Spanish II	Grade: 10 - 12

This course builds skills learned in Spanish 1 and Spanish 2. Emphasis is placed on conversational fluency in increasingly complex situations. Coursework includes selected higher-level reading materials (including short stories, poetry, articles, and/or abridged novels), writing exercises, oral presentations, and a variety of advanced oral interaction. As such, this course aims to develop linguistic confidence and enhance the appreciation of the cultural and dialectal differences of Spanish speaking countries. Cultural topics focus on the customs and traditions of the people of the Spanish Speaking world.

Beginning Spanish, I Dual Credit (4 credit hours)

03440300

Credit: 1/2	Semesters: 1
Prerequisite(s): Spanish I, Spanish II, (TSIA2 REQUIREMENT Reading, Writing), Completion of Dual Credit Enrollment Process	Grade: 10 - 12

Spanish 1411 is the first in the lower and intermediate level Spanish language classes offered by UTPB and is designed to acquaint the student with the four basic skills: listening, speaking, reading, and writing. It will also include an introduction to Hispanic culture.

In **SPAN 1411** students will acquire novice low to mid proficiency in Spanish (ACTFL guidelines) in all four skill areas: listening, speaking, reading, and writing.

Beginning Spanish II Dual Credit (4 credit hours)

03440300

Credit: 1/2	Semesters: 1/2
Prerequisite(s): Spanish I, Spanish II, Dual Credit Beginning Spanish I 1411 (TSIAREQUIREMENT Reading, Writing), Completion of Dual Credit Enrollment Process	Grade: 10 - 12

Students will acquire novice low to mid proficiency in Spanish (ACTFL guidelines) in all four skill areas: listening, speaking, reading, and writing.

Second Year Spanish I Dual Credit (3 credit hours)**03440400**

Credit: 1/2	Semesters: 1/2
Prerequisite(s): Spanish I, Spanish II, Spanish 1411 and Spanish 1412 (TSIA2 REQUIREMENT Reading, Writing), Completion of Dual Credit Enrollment Process	Grade: 10 - 12

Further develops proficiency in listening, speaking, reading, and writing. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. Students acquire vocabulary and grammatical structures necessary to communicate and comprehend at the intermediate low level according to the ACTFL proficiency guidelines.

Second Year Spanish I Dual Credit (3 credit hours)**03440400**

Credit: 1/2	Semesters: 1/2
Prerequisite(s): Spanish I, Spanish II, Spanish 1411 and Spanish 1412, Spanish 2312 (TSIA2 REQUIREMENT Reading, Writing), Completion of Dual Credit Enrollment Process	Grade: 10 - 12

A continuation of [SPAN 2311](#). Further development of proficiency in listening, speaking, reading and writing. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. Students acquire vocabulary and grammatical structures necessary to communicate and comprehend at the intermediate-high level, according to ACTFL guidelines.

AP Spanish V-- Spanish Literature & Culture (Online)**A3440200**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Spanish IV AP	Grade: 11 - 12

Students read analyze, discuss, and write in Spanish about Hispanic literature from the fourteenth through twentieth centuries. Thirty-six authors and fifty-six works are studied for the AP course. Students discuss, interpret, and compare these works in their social, historical, and thematic contexts. All genres of literature are read. Students are trained to analyze critically the form and content of various literary works. This class is conducted entirely in Spanish. Students will take the AP Spanish Literature exam in the spring. Those receiving a score of 3, 4 or 5 may receive college credit in 200-level equivalent classes, depending upon the university in which they choose to enroll.

AP follows the curriculum outlined by the College Board. This college level course requires extensive work outside of class. After completion of the class, students will take the AP exam. A high score on the exam may award college credit. Check with the individual college to determine the scores needed for credit.

FINE ARTS

Theatre Arts I, II, III, & IV

03250100, 03250200,
03250300, 03250400

Credit: 1	Semesters: 2
Recommended Prerequisite(s): None	Grade: 9 - 12

This course is designed to give students a strong foundation in the basics of theater in order to increase appreciation for all forms of visual entertainment. Students are able to explore career opportunities in the many aspects of theater. We will begin the year by studying the terminology and rules of etiquette used in the theater. From there we will examine various types of drama, their structures, and their historical backgrounds. As we move through the year we will also explore improvisation, character analysis and development, and scene analysis with the end goal of presenting scenes. This class is hands on and highly engaging, but at the same time will require a considerable level of discipline.

Technical Theatre I, II, III, IV

03250500, 03250600,
03251100, 03251200

Credit: 1	Semesters: 2
Recommended Prerequisite(s): None	Grade: 9 - 12

This course is designed to give students a strong foundation in the basics of technical theater in order to increase appreciation for all forms of visual entertainment. Students are able to explore career opportunities in the many aspects of theater. The class curriculum will be a combination of real-world projects in support of the Stacey Drama Club and class projects covering theatre safety, set design and construction, costume design and construction, lighting and sound, amongst other topics. This class is hands on and highly engaging, but at the same time will require a considerable level of discipline.

Band I, II, III, IV

03150100, 03150200,
03150300, 0315400

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Audition or Teacher Recommendation	Grade: 9 - 12

The student plays an instrument individually and, in a group, performing a varied repertoire of music. Required course work for the concert band is participation in UIL Concert and Sight-reading Competition, in addition to attendance at the annual winter and spring concerts. Band courses can be repeated throughout a student's high school career.

Choir I, II, III, IV

03150900, 03151000,
03151100, 03151200

Credit: 1	Semesters: 2
Recommended Prerequisite(s): None	Grade: 9 - 12

The student sings individually and in a group, performing a varied repertoire of music. Attendance at the annual winter and spring concerts is required. Choir courses can be repeated throughout a student's high school career.

Art I

03500100

Credit: 1	Semesters: 2
Recommended Prerequisite(s): None	Grade: 9 - 12

Art I is a general course of art instruction in which students create original, imaginative and inventive works of art. This class is an introduction to drawing, design, painting and sculpture, and the basic theories and history of art. Effort is a large consideration in grading.

Art II**03500200**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Art I	Grade: 10 - 12

Having shown skill and creativity in Art I, students will continue to explore the theories and techniques of drawing. Experimentation with different media and use of higher-level thinking skill is emphasized while students create well-designed and complex projects.

Art III Drawing**03500300**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Art II	Grade: 11 - 12

This art class is designed for the advanced student or art career bound student who needs more studio time to complete an art portfolio.

Art IV Drawing**03500400**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Art III	Grade: 12

Having shown a definite interest and aptitude in drawing, students will continue to explore the media and techniques for drawing. Students will be challenged to use their drawing skills in a wide range of artistic styles, as well as drawing surfaces and media.

PHYSICAL EDUCATION/ HEALTH

Dressing out for physical education is mandatory. Students are required to purchase a school uniform from the Office.

Individual or Team Sports

PES00055

Credit: 1	Semesters: 2
Recommended Prerequisite(s): None	Grade: 9 - 12

This class will involve students learning how to weight lift and increase overall upper and lower body strength through single machine weights, free weights, and/or circuit training. It will be offset with short and middle-distance runs, so as to strengthen overall endurance as well as aerobic level. The student is expected to acknowledge good play from an opponent in competition, accept the roles of the officials, accept successes and performance limitations of self and others, and exhibit appropriate behavioral responses.

Adventure/Outdoor Education

PES00053

Credit: 1	Semesters: 2
Recommended Prerequisite(s): None	Grade: 9 - 12

Students enrolled in adventure outdoor education are expected to develop competency in two or more outdoor education activities such as backpacking, boating, camping, hiking, or orienteering. Emphasis is placed upon student selection of activities that promote a respect for the environment and that can be enjoyed for a lifetime. Students are expected to obtain and maintain a level of fitness required for selected activities.

Athletics I, II, III, IV

**PES00000, PES00001,
PES00002, PES00003**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Coach's Approval	Grade: 9 - 12

Students participate in Interscholastic Athletics such as basketball, volleyball, cross country, and/or track. Students are taught to value good sportsmanship along with the educational value of contests. Students may receive credit in physical education through athletics. *Students may join Athletics ONLY WITH PRIOR APPROVAL from Head Coach of that sport. Upperclassmen, transfer students, and former athletes should also obtain approval. Incoming freshmen must have played 7th or 8th grade and need a coach's approval to join.*

Health Education

03810100

Credit: ½	Semesters: 1
Recommended Prerequisite(s): None	Grade: 8 - 12

This is a comprehensive course of study of the concepts and skills that foster individual personal health and safety. Current and relevant topics such as environmental health, the influence of media on health consumerism, current health issues, and health care finances will be examined. **** This course satisfies the local health credit required for graduation.**

OTHER ELECTIVES

Advanced Journalism I, II, III (Yearbook)

03230110, 03230120,
03230130

Credit: 1	Semesters: 2
Recommended Prerequisite(s): English Teacher Recommendation	Grade: 9 - 12

Students enrolled in this course communicate in a variety of forms such as print, digital, or online media for a variety of audiences and purposes. High school students are expected to plan, draft, and complete written and/or visual communications on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. In addition, students will apply journalistic ethics and standards. Students will refine and enhance their journalistic skills, research self-selected topics, and plan, organize, and prepare a project(s) in one or more forms of media. Students are responsible for creating the Stacey yearbook, which includes photography, editing, creating layouts, and writing body and caption copy. Software used for the course will be Adobe Photoshop and Walsworth Online Design.

JROTC Aerospace Science 1

PES00004 or
03160100

Credit: 1	Semesters: 2
Recommended Prerequisite(s): None	Grade: 9-12

(AS-100) A Journey into Aviation History is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. (LE-100) Traditions, Wellness and Foundations of Citizenship introduces students to history, organization, mission, traditions, goals, and objectives of JROTC for all services. It introduces key military customs and courtesies, how to project a positive attitude, and examines the principles of ethical and moral behavior. It provides strategies for effective note taking and study skills for academic success.

JROTC Aerospace Science 2

03160200

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Aerospace Science 1	Grade: 10-12

Option 1 - (AS-200) The Science of Flight: A Gateway to New Horizons focuses on how airplanes fly, how weather conditions affect flight, flight and the human body, and flight navigation. The course is designed to complement materials taught in math, physics, and other science related courses and is aligned with the National Science Education Standards the Math Standards and Expectations, and ISTE National Educational Technology Standards for Students. Option 2 - (AS-220) Cultural Studies: An Introduction to Global Awareness introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. (LE-200) Communication, Awareness, and Leadership stresses communications skills and cadet corps activities. Information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development.

JROTC Aerospace Science 3

03160300

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Aerospace Science 2	Grade: 10-12

(AS-300) Exploring Space: The High Frontier is a study of the space environment from the earliest days of interest in astronomy and early ideas of the heavens, through the Renaissance, and on into modern astronomy. It provides an in-depth study of the Earth, Sun, stars, Moon, and solar system, including the terrestrial and the outer planets. It investigates the importance of entering space and discusses manned and unmanned space flights, focusing on concepts surrounding spaceflight, space vehicles, launch systems, and space missions. (LE-300) Life Skills and Career Opportunities is designed to prepare students for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st century. Students learn how to become a more confident financial planner and to save, invest, and spend money wisely, as well as how to avoid the credit trap. Students learn about real-life issues such as understanding contracts, leases, warranties, legal notices, personal bills, practical and money-saving for grocery shopping, apartment selection and life with roommates. Students learn how to apply for vocational or technical school, community college, or a college/ university.

JROTC Aerospace Science 4

03160400

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Aerospace Science 3	Grade: 10-12

(AS- 400) **Option 1 - Management of the Cadet Corps** is a hands-on experience that affords students the opportunity to put theories of previous leadership courses into practice. Planning, organizing, coordinating, directing, controlling, and decision-making will be done by cadets. They will put into practice their communication, decision-making, personal-interaction, managerial, and organizational skills. **(LE-400) Fundamentals of Management** exposes students to the fundamentals of management and provides them with the necessary skills needed to put into practice what they have learned during their time in AFJROTC.

PR: Aerospace Science 1

Option 2 - (AS-410) Survival provides training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. Survival also presents “good to know” information that would be useful in any situation.

PR: Aerospace Science 1

Drill Curriculum (Cumulative) provides an in-depth introduction to drill and ceremonies. The course concentrates on the elements of military drill, and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades and development of the command voice.

PR: None

The Wellness Program is the Aerospace Science Physical Fitness Course (PE credit is given to AFJROTC students). The program focuses on individual base-line improvement with the goal of achieving a national standard as calculated with age and gender.

PR: None

AVID 1 Advancement Via Individual Determination**N1290001**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Application required	Grade: 9-10

Some students will have previous experience with AVID at the Middle grades, and some students will be experiencing AVID for the first time. Either way, the ninth-grade AVID Elective course will serve as a review of the AVID philosophy and strategies. Students will work on academic and personal goals and communication, adjusting to the high school setting. Students will increase awareness of their personal contributions to their learning, as well as their involvement in their school and community. There is an emphasis on analytical writing, focusing on personal goals and thesis writing. Students will work in collaborative settings, learning how to participate in collegial discussions and use sources to support their ideas and opinions. Students will prepare for and participate in college entrance and placement exams, while refining study skills and test-taking, note-taking, and research techniques. They will take an active role in field trip and guest speaker preparations and presentations. Their college research will include financial topics and building their knowledge on colleges and careers of interest.

AVID 2 Advancement Via Individual Determination**N1290002**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): AVID 1, Application required	Grade: 10-11

During the tenth-grade AVID Elective course, students will refine the AVID strategies to meet their independent needs and learning styles. Students will continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase the rigorous course load and school/community involvement, they will refine their time management and study skills accordingly. Students will expand their writing portfolio to include: analyzing prompts, supporting arguments and claims, character analysis and detailed reflections. Students will also analyze various documents, in order to participate in collaborative discussions and develop leadership skills in those settings. Students will expand their vocabulary use, continuing to prepare for college entrance exams and preparation. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow down their college and careers of interest, based on personal interests and goals.

AVID 3 Advancement Via Individual Determination**N1290030**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): AVID 2, Application required	Grade: 11-12

The eleventh-grade AVID Elective course is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies and tasks that should be undertaken during the junior year to support students as they apply to four-year universities and confirm their postsecondary plans.

AVID 4 Advancement Via Individual Determination**N1290033**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): AVID 3, Application required	Grade: 12

The AVID Elective twelfth grade course is the second part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. Students will complete a final research essay project from research conducted in their junior year in AVID. In addition to the academic focus of the AVID senior seminar, there are college-bound activities, methodologies and tasks that should be achieved during the senior year that support students as they apply to four-year universities and confirm their postsecondary plans. All AVID seniors are required to develop and present a portfolio representing their years of work in the AVID program, as well as complete the requirements for the seminar course.

Teacher Aide/ AVID Tutor**85000XXX**

Credit: Local Credit	Semesters: 2
Recommended Prerequisite(s): none	Grade: 11-12

As a Teacher Aide/ AVID tutor, you will be trained in "tutorology" in order to become a Cross-Age AVID tutor to support the AVID tutorials that occur in the AVID elective classes once a week. AVID tutors do not have to know everything but do need to be able to ask the right kind of questions to guide AVID students through the tutorial process to discover their point of confusion, what resources they have available and other thought provoking questions to assist the students in finding their own solutions. The rest of the week, you will perform clerical duties of your assigned teacher or work with students one-on-one or in small groups in a variety of classroom settings to include elementary and Jr. High classrooms. Students need to be willing to help younger students (especially in Math).

Path College Career Prep 1-4**N1290051, N1290052,
N1290053, N1290054**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): Required administrative approval	Grade: 9-12

The Path-College/Career Prep courses advance intellectual curiosity, conscientiousness, dependability, emotional stability, and perseverance through tasks that foster deeper levels of thinking and reasoning in the four core content areas. Path courses focus on developing the habits and skills that are expected in college study and the workforce.

CAREER & TECHNICAL EDUCATION

Anatomy and Physiology

13020600

Credit: 1	Semesters: 2
Prerequisite(s): Biology and a second science credit	Grade: 10-12

Anatomy and Physiology is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Upon completion of this course, students will have an in-depth understanding of these topics, along with experience on planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Animation I

13008300

Credit: 1	Semesters: 2
Prerequisite(s): None	Grade: 10-12

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.

AP Computer Science Principles

AP3580300

Credit: 1	Semesters: 2
Prerequisite(s): None	Grade: 9-12

In AP Computer Science Principles, you will learn the principles that underlie the science of computing and develop the thinking skills that computer scientists use. You'll work on your own and as part of a team to creatively address real-world issues using the tools and processes of computation. AP follows the curriculum outlined by the College Board. This college level course requires extensive work outside of class. After completion of the class, students will take the AP exam. A high score on the exam may award college credit. Check with the individual college to determine the scores needed for credit.

AP Computer Science A

A3580110

A3580120

Credit: 1	Semesters: 2
Prerequisite(s): None	Grade: 9-12

Get familiar with the concepts and tools of computer science as you learn a subset of the Java programming language. You'll do hands-on work to design, write, and test computer programs that solve problems or accomplish tasks. AP follows the curriculum outlined by the College Board. This college level course requires extensive work outside of class. After completion of the class, students will take the AP exam. A high score on the exam may award college credit. Check with the individual college to determine the scores needed for credit.

Child Development**13024700**

Credit: 1	Semesters: 2
Prerequisite(s): None	Grade: 10-12

Child Development is a technical laboratory course that addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children. Students will have various opportunities to work with children from the infant stage to school age. Patience and the willingness to work with children are required for this class.

Cybersecurity Capstone**03580855**

Credit: 1	Semesters: 2
Prerequisite(s): None	Grade: 11-12

In the Cybersecurity Capstone course, students will develop the knowledge and skills needed to explore advanced concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will develop security policies to mitigate risks. The skills obtained in this course prepare students for additional study toward industry certification. A variety of courses are available to students interested in the cybersecurity field. Cybersecurity Capstone may serve as a culminating course in this field of study.

Digital Media**13027800**

Credit: 1	Semesters: 2
Prerequisite(s): None	Grade: 9-12

In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects. 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.

Engineering Design & Presentation I**13036500**

Credit: 1	Semesters: 2
Prerequisite(s): Algebra I	Grade: 10-12

Engineering Design and Presentation I is a continuation of knowledge and skills learned in Principles of Applied Engineering. 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, 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. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.

Family and Community Services**13024900**

Credit: 1	Semesters: 2
Recommended Prerequisite(s): None	Grade: 10-12

Family and Community Services is a laboratory-based course designed to involve students in realistic and meaningful community-based activities through direct service or service-learning experiences. Students are provided opportunities to interact with and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics.

Financial Mathematics**13018000**

Credit: 1	Semesters: 2
Prerequisite(s): Algebra I	Grade: 10-12

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.

Foundations of Cybersecurity**03580850**

Credit: 1	Semesters: 2
Prerequisite(s): None	Grade: 9-12

In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study.

Graphic Design and Illustration I**13008800**

Credit: 1	Semesters: 2
Prerequisite(s): None	Grade: 10-12

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.

Graphic Design and Illustration II**13008900**

Credit: 2	Semesters: 2
Prerequisite(s): Graphic Design and Illustration I	Grade: 10-12

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.

Interpersonal Studies**13024400**

Credit: ½	Semesters: 1
Prerequisite(s): None	Grade: 9-12

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.

Lifetime Nutrition and Wellness**13024500**

Credit: ½	Semesters: 1
Prerequisite(s): None	Grade: 9-12

Lifetime Nutrition and Wellness is a laboratory course that allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences. Food and kitchen safety will be taught by adventuring in the kitchen to prepare healthy snacks, side dishes, and meals.

Medical Terminology**13020300**

Credit: 1	Semesters: 1
Prerequisite(s): None	Grade: 9-12

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

Pharmacology**13020950**

Credit: 1	Semesters: 2
Prerequisite(s): Biology, Chemistry, and a level 2 or higher health science class	Grade: 11-12

The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever-changing, growing body of information that continually demands greater amounts of time and education from healthcare workers. Upon completion of this course, students will have an in-depth understanding of these topics, along with experience on planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Principles of Applied Engineering**13036200**

Credit: 1	Semesters: 2
Prerequisite(s): None	Grade: 9-10

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.

Principles of Health Science**13020200**

Credit: 1	Semesters: 2
Prerequisite(s): None	Grade: 9-10

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

Principles of Human Services**13024200**

Credit:1	Semesters: 2
Prerequisite(s): None	Grade: 9-12

Principles of Human Services is a laboratory course that will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, personal care, and consumer services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

Professional Communications**13009900**

Credit: ½	Semesters: 1
Prerequisite(s): None	Grade: 8-12

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

Robotics I**13037000**

Credit: 1	Semesters: 2
Prerequisite(s): None	Grade: 9-10

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.

Robotics II**13037050**

Credit: 1	Semesters: 2
Prerequisite(s): Robotics I	Grade: 10-12

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.