



HIGH SCHOOL COURSE CATALOG 2023-2024





MAGNOLIA INDEPENDENT SCHOOL DISTRICT

Magnolia ISD Vision Statement

Magnolia ISD is dedicated to be the best district in the State of Texas.

Magnolia ISD Mission Statement

The mission of Magnolia Independent School District is to provide an educational environment that will enable all students to develop essential academic skills for a lifetime of learning and to prepare students to be responsible, contributing citizens in a diverse and changing world.

Note to Students and Parents

The purpose of Magnolia ISD Course Selection Handbook is to present a brief description of the courses offered and to assist students and parents in planning a course of study by providing information on graduation requirements and credit options. The curriculum has expanded based on our educational philosophy to challenge students intellectually, engage students in their own learning, and provide students with the opportunity for concentrated study and a personalized education. **Please examine and study this handbook carefully.** The material is published early in the spring of the preceding year, changes in procedure, policy, or course offerings may occur.

Registration

Registration takes place in the spring of each school year. Courses are scheduled and teachers are employed based on registration information. Therefore, the selection of courses to be taken for the upcoming school year should be given serious consideration.

Schedule Changes

Students will be allowed to make schedule changes prior to the first day of school during the pre-registration process. After school begins, the following guidelines will apply for class changes:

- *Students requesting to move from AP, IB or Advanced courses, to a level course before the end of the semester may do so by following campus Advanced Academic exit procedures. The grade transferred from the AP, IB, or Advanced course will be weighted on a regular 5.0 scale.*
- If a student drops an Advanced, AP, or IB class at the end of the semester, the transcripts will reflect the Advanced, AP, or IB class for the fall semester and regular for the second semester.
- Students may not transfer from a regular class to an Advanced, AP, or IB class after the first 2 weeks of that class. However, mid-term requests will be evaluated upon the recommendation of the teacher.
- Students requesting to drop athletics, drill team, ROTC, or band must wait until the end of the semester or transfer to a PE class.

All changes are subject to availability of space in the requested class.

In all classes due to limited space and offerings, seniors will receive first priority followed by juniors and then sophomores in requested classes.



Information on STAAR (EOC)

The State of Texas Assessments of Academic Readiness (STAAR) is the current assessment program used by the State of Texas. Five STAAR end-of-course (EOC) assessments are given to students in the academic courses in the subjects of Algebra I, Biology, English I, English 2, and U.S. History. Each STAAR/EOC Assessment covers only the content from a particular course (e.g., Algebra I assesses only Algebra I content). Under STAAR/EOC, students may retake any exam in which they do not meet the standard score. Retakes are offered at the end of each semester and in the summer.

Magnolia Independent School District is an equal opportunity employer and as such does not discriminate on the bases of sex, age, handicap, race, color, and national origin in its educational programs, activities, or employment as required by Title IX, Section 504 and Title VI. Magnolia ISD is an Equal Opportunity Affirmative Action Institution.



College/Career Preparation Timeline

Grades

Goals and Objectives

Grades 6-7	Begin to investigate college/career goals and objectives.
Grade 8	Plan a four-year high school academic program and become aware of the 16 career clusters. Course selections are chosen for the high school years through the College & Career Readiness course, with the help of the school counselor. Become aware of transcripts, grade point average, and graduation requirements. Attend any parent meetings regarding academic planning and college admission.
Grade 9	Re-evaluate career goals and objectives. Review academic four-year plan and begin building a high school resume. Research colleges and universities of interest.
Grade 10	Review academic plan and evaluate goals and objectives to decide on courses for 11th grade. Review college catalogs, publications, and websites which give college information. Attend campus meetings about post-secondary planning and college admission. Take PSAT in October.
Grade 11	Review academic plan and narrow college choices. Participate in an individual academic conference with counselor to decide on courses for the senior year and to discuss post-graduation plans. Attend college events and take PSAT in October (National Merit Qualifying Test). Take the SAT or ACT in the late spring. Explore national scholarship opportunities. Attend essay/application/resume college boot camp. Use two college days to explore college campuses
Grade 12	Review post-secondary options. Confer with counselor in early fall. Attend college events. Take SAT and/or ACT in early fall. Send applications early in the summer and/or fall semester. Be mindful of college application deadlines. Submit housing application in the early fall. Attend financial aid programs and begin financial aid process in October. Submit scholarship applications beginning in the fall.

Web based tools are used by students, parents and Magnolia ISD staff to assist students with college and career readiness. All students receive an access code in 8th grade to College Board after participating in the 8th grade PSAT. The code provides access to all the tools in College Board and the Khan academy. Based on the performance on the 8th grade PSAT students are provided resources, such as practice questions, helpful videos and tips on how to increase their PSAT/SAT scores.

Other websites that might be helpful include:

- www.collegeforalltexas.com
- www.achievetexas.org
- www.fafsa.ed.gov
- www.collegeboard.org
- www.act.org
- www.ncaa.org





English Language Arts Courses

Course	Credits	Grade Level(s)	Recommended/Required Prerequisites
English I	1	9	None
English I Advanced	1	9	None
English II	1	10	English I
English II Advanced	1	10	English I
English III	1	11	English II
AP English Language and Composition	1	11	English II
English III IB	1	11	English II
College Prep English IV	1	12	English III
AP English Literature and Composition	1	12	English III
English IV IB	1	12	English III IB
ENGL 1301	0.5	11-12	English II or III and TSIA
ENGL 1302	0.5	11-12	English II or III and TSIA
ENGL 2332	0.5	12	ENGL 1301 and TSIA
ENGL 2333	0.5	12	ENGL 1301 and TSIA
English I or II -Speakers of Other Languages	1	9-10	LPAC Placement
Creative Writing (elective)	1	10-12	English I
English Language Development and Acquisition (ELDA) I elective	1	9-12	LPAC placement
English Language Development and Acquisition (ELDA) II elective	1	10-12	ELDA I, LPAC placement



- 1064/1074** **English for Speakers of Other Lang. 1 & 2**
Grades: 9, 10 **1 credit**
Prerequisites: LPAC Placement
*This course provides students intensive practice in listening, speaking, reading, and writing English. ESOL 1 and 2 may be substituted for English I and 2 for ESL students. **This course requires an EOC exam.***
- 1124** **English 1**
Grades: 9 **1 credit**
*This course focuses on activities that build on students' prior knowledge in order to strengthen their reading, writing, and oral language skills. Students will read a variety of genres from different cultural, historical and contemporary contexts. Students will write a variety of compositions focused on developing a clear purpose, appropriate organizational structure, unique voice, a logical progression of ideas, and correct conventions. Students will also engage in research tasks which focus on incorporating collaboration, listening, speaking, and presentation skills. **This course requires an EOC exam.***
- 1134** **English 1 Advanced**
Grades: 9 **1 credit**
*This course offers an in-depth study of literature from multiple genres. Students will read and write extensively as they explore the significance of historical context, as well as literary forms, terms, and techniques. The reading requirement is stringent and advanced, as students will read a minimum of six books, read both in and outside of class. Clarity, logic, and the ability to formulate and defend a thesis statement are key components of writing instruction and practice. Students will complete compositions both outside and inside of class. These will include literary and rhetorical analysis, informational compositions, creative works, argumentative and persuasive pieces. Students writing will demonstrate a command of syntax, the conventions of language, and mechanics of writing. Additionally, students will conduct research tasks and prepare and present presentations based on texts read in and outside of class. Class discussion and collaboration are essential components of the course. **This course requires an EOC exam.***
- 1224** **English 2**
Grades: 10 **1 credit**
*Students will read and understand a wide variety of literary and informational texts. The writing focus emphasizes composing a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail, culminating in a research paper where students are expected to know how to locate a range of relevant sources and evaluate, synthesize, and present ideas and information. In addition, students listen and respond to the ideas of others while contributing their own ideas in conversations and in groups; and students learn how to use the oral and written conventions of the English language in speaking and writing. Students will engage in activities that build on their prior knowledge and skills in order to strengthen their reading, writing, and oral language skills. **This course requires an EOC exam.***



1234

English 2 Advanced

Grades: 10

1 credit

*This course focuses on rigorous and advanced reading requirements in multiple genres. Students will read and analyze at least 10 major works, both in and out of class, and write extensively as they interpret historical context and learn literary terms associated with the readings. Research skills are strongly emphasized at this level as well. In addition, students listen and respond to the ideas of others while contributing their own ideas in conversations and in groups; and students learn how to use the oral and written conventions of the English language in speaking and writing. This class prepares students for AP English and IB English offered in the 11th and 12th grade levels. This course also features components that will satisfy the Peace Officer Interaction training, which is required for all students. **This course requires an EOC exam.***

1324

English 3

Grades: 11

1 credit

This course continues to expand and refine the concepts and skills learned in previous grade levels. In addition, students will write compositions incorporating outside documentation, making rhetorical choices based on audience, purpose and form, and writing a variety of argumentative, persuasive, and informative pieces including the research paper. Students will also write literary and rhetorical analyses. Students will read extensively from American literature with emphasis on the knowledge, history and major features of this genre.

1324DNH

English 3 Dual Credit (1301/1302)

Grades: 11

1 credit

Prerequisites: Lone Star College Application and TSI Assessment

This course follows the required curriculum for Lone Star College English 1301 and 1302 courses, in addition to TEKS required by the state of Texas for English 3 credit. During the first semester, the reading and writing intensive composition course focuses on the writing of researched argumentative, expository, and persuasive papers. Analytical reading, critical thinking, and research skills are emphasized. Essays, including an extended documented library research-based paper, are required. The second semester further develops the analytical, thinking, and research skills underlying academic success through the study of literature. Students earn letter credit for the Lone Star College courses and a numerical grade for English 3 based on both the Lone Star work and the additional English 3 assignments. Upon successful completion of this year-long course, the student will earn six (6) hours of college English credit, as well as high school English credit. Registration at Lone Star College is required, along with a reduced fee tuition paid to Lone Star prior to each semester. Students who receive a D or F in any dual credit course will not be permitted to continue in the dual credit program. There are NO high school ranking GPA points given for Dual credit courses.

1344

English 3 AP (Language and Composition)

Grades: 11

1 credit

This course extends beyond the traditional high school curriculum. It leads students to become skilled readers and writers in diverse genres and modes of composition, ultimately enabling students to independently read and understand



complex texts and write rich, effective prose in response to those texts. Students will become aware of their own voice and process through self-assessment and evaluations by both peers and the instructor. These skills will allow the student to read critically and write effectively in the college classroom and beyond. Students are required to take the AP exam. Fee is required for the exam.

1344IB

English 3 IB

Grades: 11

1 credit

Students will engage in close, analytical reading of fiction, nonfiction, drama, and poetry. The class will focus on in-depth studies of specific authors and works from a variety of cultures, periods, and genres, including works in translation. Students will develop the techniques needed for critical analysis of the interaction between the text, audience, and purpose. Throughout the course students will gain an understanding of how language, culture, and context determine the construction of meaning. Assessments consist of written coursework and oral commentary. Students will prepare the IB English Internal Assessment during this course. Additionally, students will also be preparing to take the IB English HL Exam in May of their senior year.

1424

English 4

Grades: 12

1 credit

This course provides continued refinement of skills learned in previous grade levels. Students will read and recognize major authors, periods, forms and works in historical and contemporary contexts, including British literature. Focus will be on recurring themes, devices of propaganda, analysis of author's purpose and use of rhetorical devices to convey that purpose. This course provides instruction in the more advanced forms of writing, to sustain the previous emphasis on the composing process, and to refine the study of commonly recognized patterns of organization, selection of rhetorical choices, analysis of ideas, and use of more sophisticated word choice in extended essays, including the research paper.

1424DNH

English 4 Dual Credit (1301/1302)

Grades: 12

1 credit

Prerequisites: Lone Star College Application and TSI Assessment

This course follows the required curriculum for Lone Star College English 1301 and 1302 courses, in addition to TEKS required by the state of Texas for English 4 credit. During the first semester, the reading and writing-intensive composition course focuses on the writing of researched argumentative, expository, and persuasive papers. Analytical reading, critical thinking, and library-based research skills are emphasized. Essays, including an extended documented library research-based paper, are required. The second semester further develops the analytical, thinking, and research skills underlying academic success through the study of literature. Essays, including a second documented library research-based paper, are required. Students earn letter credit for the Lone Star College courses and a numerical grade for English 4 based on both the Lone Star work and the additional English 4 assignments. Upon successful completion of this year-long course, the student will earn six (6) hours of college English credit, as well as high school senior English credit. Registration at Lone Star College is required, along with a reduced fee tuition paid to Lone Star prior



to each semester. Students who receive a D or F in any dual credit course will not be permitted to continue in the dual credit program. There are NO high school ranking GPA points given for Dual credit courses.

14244DNH English 4 Dual Credit (2332/2333)

Grades: 12 1 credit

Prerequisites: Lone Star College Application and TSI Assessment (no fees) and English 3 Dual Credit

This course follows the required curriculum for Lone Star College English 2322 and 2323 courses, in addition to TEKS required by the state of Texas for English 4 credit. During the first semester, students will engage in a survey of world literature from the ancient world through the 16th century while the second semester focuses on works from the 17th century to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Students will be required to write research-based critical papers about the assigned readings in clear and grammatically correct prose, using various critical approaches to literature. Students earn letter credit for the Lone Star College courses and a numerical grade for English 4 based on both the Lone Star work and the additional English 4 assignments. Upon successful completion of this year-long course, the student will earn six (6) hours of college English credit, as well as high school senior English credit. Registration at Lone Star College is required, along with a reduced fee tuition paid to Lone Star prior to each semester. Students who receive a D or F in any dual credit course will not be permitted to continue in the dual credit program. There are no high school ranking GPA points given for Dual credit courses.

1444 English 4 AP (Literature and Composition)

Grades: 12 1 credit

This course emphasizes both effective and critical reading. There is a focus on British and world literature with literary analysis being a key focus of writings and discussions, timed writings, and synthesis essays. Students become more aware of the resources of language: connotation, metaphor, irony, syntax, and tone. Through the required extensive and complex readings, students will gain effective critical reading as well as college-level writing skills. Students are required to take the AP exam. Fee is required for the exam

1444IB English 4 IB

Grades: 12 1 credit

Students will engage in close, analytical reading of fiction, drama, and poetry. The class will focus on in-depth studies of specific authors and works from a variety of cultures, periods, and genres, including works in translation. Students will develop the techniques needed for critical analysis of the interaction between the text, audience, and purpose. Throughout the course students will gain an understanding of how language, culture, and context determine the construction of meaning. Assessments consist of written coursework and oral commentary. Students will complete the IB Internal Assessment in preparation for the IB External Assessment in May. Students are required to take the IB Exam. Fee is required for the exam.



14444

English 4 College Prep

Grades: 12 1 credit

This course fulfills TSI requirements for reading and writing at the college level..

Students who complete the course will meet all requirements to enroll within one year at Lone Star College for English 1301. The focus of the course will be on applying critical reading skills for organizing, analyzing, and retaining materials, and developing written work appropriate to the audience, purpose, situation, and length of the assignment. The course integrates preparation in basic academic reading skills with basic skills in writing a variety of academic essays. The curriculum is combined with expectations for English IV and offered as a high school course with no tuition required.

1632

Creative Writing

16322 Grades: 10, 11, 12 1 credit

Prerequisites: English 1

This course is designed to allow students to write creatively in a variety of genres and publish their work in outside publications. The course emphasizes the use of the writing process and the effective application of the conventions of language along with self-and peer-evaluation and goal-setting.





Mathematics Courses			
Course	Credits	Grade Level(s)	Recommended/Required Prerequisites
Algebra 1	1	9	8 th grade math
Geometry	1	9-10	Algebra 1
Advanced Geometry	1	9-10	Algebra 1
Algebra 2	1	9-12	Algebra 1
Advanced Algebra 2	1	9-12	Algebra 1
Math Models	1	10-12	Algebra 1
Algebraic Reasoning	1	10-12	Algebra 1
Pre-Calculus	1	10-12	Algebra 1, Geometry, Algebra 2
Advanced Pre-Calculus	1	10-12	Algebra I, Geometry, Algebra 2
Dual-Credit Pre-Calculus	1	10-12	Meet TSIA2 Criteria and Algebra I, Geometry, Algebra 2
Statistics	1	10-12	Algebra 1
College Prep Mathematics	1	12	Algebra 1, Geometry, Algebra 2
Dual Credit College Algebra	1	11-12	Meet TSIA2 Criteria
AP Calculus AB	1	11-12	Advanced or Dual Pre-Calculus
AP Calculus BC	1	11-12	Advanced or Dual Pre-Calculus
AP Statistics	1	11-12	Advanced Algebra 2
Dual Credit Calculus	1	11-12	Meet TSIA2 Criteria/Dual Pre-Calculus
IB Math: Applications & Interpretation	1	11-12	Algebra 2
IB Math: Analysis & Approaches	1	11-12	Algebra 2



- 4352** **College Algebra**
Grades: 11, 12 **1 credit**
Prerequisites: Algebra II, TSIA2
Assessment
*In-depth study and applications of polynomial, rational, radical, absolute-value, piecewise-defined, exponential and logarithmic functions, equations, inequalities, graphing skills and systems of equations using matrices. Additional topics include sequences, series, probability, conics and inverses. If students pass the TSIA2 prior to the spring semester, students may take Dual Credit (**4352D**) during the spring semester and receive credit for Math 1314. Students who receive a D or F in any dual credit course will not be permitted to continue in the dual credit program. (Dual credit availability is based on enrollment and teacher availability)*
- 4344** **College Prep Mathematics**
Grades: 12 **1 credit**
Prerequisites: Algebra I, Geometry, Algebra II
*This course fulfills TSIA2 requirements for entrance into mathematics course at the college level. **Students who successfully complete the course will meet all requirements to enroll in a college-level math course within one year at Lone Star College.** This course is designed for student who have completed Algebra 2 but need to strengthen their algebra skills before taking college-level math. Students will extend their mathematical skills and reasoning level beyond the topics covered in Algebra 2.*
- 5344IB** **Mathematics: IB Analysis and Approaches SL**
Grades: 11, 12 **1- 2 credits**
Prerequisites: Algebra II
It is designed for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. They will explore real and abstract applications, sometimes with technology, and will enjoy the thrill of mathematical problem solving and generalization. Students will complete the IB Internal Assessment (portfolio) in the spring in preparation for the IB Mathematics assessment in May.
- 5334IB** **Mathematics: IB Applications and Interpretation SL and HL**
53344IB **Grades: 11, 12** **1- 2 credits**
Prerequisites: Algebra II
This course is for students interested in developing their mathematics for describing our world, modelling, and solving practical problems using the power of technology. Students who take Mathematics: Applications and interpretation will be those who enjoy mathematics best when seen in a practical context. Students will complete the IB Internal Assessment (portfolio) in the spring in preparation for the IB Mathematics assessment in May. Students are required to take the IB exam. Fee is required for the exam.
- 4424** **Mathematical Models with Applications**
Grades: 10, 11 **1 credit**
Prerequisites: Algebra I
Students use a variety of representations (concrete, numerical, algorithmic, and graphical) to recognize patterns and structure, model information, solve



problems, and communicate solutions. Students will analyze mathematical relationships to connect and communicate mathematical ideas.

4514

Algebraic Reasoning

Grades: 11, 12

1 credit

Prerequisites: Algebra I

This course will broaden a student's knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. The study of functions uses analysis and application using tools that build to workforce and college readiness.

4534

Pre-Calculus Advanced

Grades: 10, 11, 12

1 credit

Prerequisites: Algebra I, Geometry and Algebra II

Course content includes transformation on parent graphs, polynomial and rational functions, conic sections, exponents and logarithms, sequences and series, right triangle and oblique triangle applications, trigonometric functions, sinusoidal models, trigonometric identities, trigonometric equations, and polar graphs. This course explores topics at a more rigorous level than on level pre-calculus

4544

Pre-Calculus

Grades: 10, 11, 12

1 credit

Prerequisites: Algebra 1, Geometry, and Algebra 2

Course content includes transformation on parent graphs, polynomial and rational functions, conic sections, exponents and logarithms, sequences and series, right triangle and oblique triangle applications, trigonometric functions, sinusoidal models, trigonometric identities, trigonometric equations, and polar graphs.

4554

Calculus AB - AP

Grades: 11, 12

1 credit

Prerequisites: Pre-Calculus Advanced or Dual Pre-Calculus

A college course for advanced math students that include a study of functions, limits, derivatives, and integrals. Topics are reviewed geometrically, numerically, and algebraically. A graphing calculator is recommended. Students are required to take the AP exam. Fee is required for the exam.

4554DNH

Calculus (Dual Credit) AB

Grades: 11, 12

1 credit

College course content

A college course for advanced math students that include a study of functions, limits, derivatives, and integrals. Topics are reviewed geometrically, numerically, and algebraically. A graphing calculator is recommended.

4564

Statistics AP/Dual Credit

Grades: 11, 12

1 credit



Prerequisites: Algebra II and Geometry

The course includes the study of major concepts and tools for collecting, analyzing, and drawing conclusions from data. A graphing calculator with statistic capabilities is recommended. Students are required to take the AP exam. Fee is required for the exam.

4574DNH

Pre-Calculus (Dual Credit)

Grades: 11, 12 **1 credit**

Prerequisites: Algebra 1, Geometry, Algebra II, TSIA2 Assessment

College course content includes transformation on parent graphs, polynomial and rational functions, conic sections, exponents and logarithms, sequences and series, right triangle and oblique triangle applications, trigonometric functions, sinusoidal models, trigonometric identities, trigonometric equations, and polar graphs. (Dual credit availability is based on enrollment and teacher availability.)

4584

Calculus BC – AP

Grades: 11, 12 **1 credit**

Prerequisites: Pre-Calculus Advanced or Dual Pre-Calculus

College course content includes Calculus AB and transformation on parent graphs, polynomial and rational functions, conic sections, exponents and logarithms, sequences and series, right triangle and oblique triangle applications, trigonometric functions, sinusoidal models, trigonometric identities, trigonometric equations, and polar graphs. Students are required to take the AP exam. Fee is required for the exam.

4594

Statistics

Grades: 11, 12 **1 credit**

Prerequisites: Algebra I

The course includes the study of major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will broaden their knowledge of variability and statistical processes. A graphing calculator with statistical capabilities is recommended.





Science Courses			
Course	Credits	Grade Level(s)	Recommended/Required Prerequisites
Anatomy & Physiology	1	10, 11, 12	Biology, Chemistry or IPC
Advanced Animal Science	1	11, 12	Biology and Chemistry or IPC; Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production
Aquatic Science	1	10, 11, 12	Biology, Chemistry or concurrent enrollment in Chemistry
Astronomy	1	11, 12	Biology, Chemistry
Biology	1	9, 10	None
Biology Advanced	1	9	None
AP Biology	1	11, 12	Biology, Chemistry
IB Biology SL	1	11, 12	Biology, Chemistry
IB Biology HL	1	12	IB Biology SL
Chemistry	1	10, 11, 12	Biology; Algebra 1
Chemistry Advanced	1	10, 11	Biology; Algebra 1
AP Chemistry	1	11,12	Biology, Chemistry; Algebra 2 (may take concurrently)
IB Chemistry SL	1	11, 12	Biology, Chemistry; Algebra 2 (may take concurrently)
IB Chemistry HL	1	12	IB Chemistry SL
Earth & Space Science*	1	11, 12	Three sciences; three mathematics
Environmental Systems	1	11, 12	Biology, Chemistry or IPC
AP Environmental Science	1	11,12	Biology, Chemistry; Algebra 1
IB Environmental System	1	11, 12	Biology, Chemistry; Algebra 1
Food Science*	1	11, 12	Biology, Chemistry, and an additional science
Forensic Science	1	11, 12	Biology, Chemistry
Integrated Physics and Chemistry	1	9, 10	None
Physics	1	11, 12	Biology, Chemistry; Algebra 1
AP Physics 1*	1	11,12	Biology, Chemistry; Algebra 2
AP Physics 2*	1	12	AP Physics 1; Pre-calculus or Calculus
AP Physics C*	1	12	AP Physics 1; Calculus AB
IB Physics 1*	1	11,12	Biology, Chemistry; Algebra 2
IB Physics 2	1	12	IB Physics 1; Algebra 2
Advanced Soil and Plant Science	1	12	Biology, Chemistry or IPC; Advanced Floral Design

* courses can have concurrent prerequisites



- 3654** **Anatomy & Physiology**
Grades: 11, 12 **1 credit**
Prerequisites: Biology, Chemistry or IPC
Anatomy and Physiology is an upper level course that surveys the structures and functions of the human body while integrating the physics and chemistry concepts found in the body systems. The student will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy processes.
- 8514** **Advanced Animal Science**
Grades: 11, 12 **1 credit**
Prerequisites: Biology and Chem. or IPC; Alg. 1 and Geometry; Equine Science, Small Animal, or Livestock Production
Advanced study examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.
- 3644** **Aquatic Science**
Grades: 11, 12 **1 credit**
Prerequisites: Biology and Chemistry
Aquatic Science is a study of the interactions and components in aquatic environments, including organisms and impacts on aquatic systems. Topics include: water quality, chemical and physical properties of water, fresh and saltwater plants and animals. Students will participate in labs and field work.
- 3674** **Astronomy**
Grades: 11, 12 **1 credit**
Prerequisites: Biology & Chemistry
Astronomy is an upper level course where students will conduct field and laboratory investigations regarding light and celestial objects and will utilize critical thinking skills and problem solving. Astronomy will cover the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology and space exploration.
- 3224** **Biology**
Grades: 9 **1 credit**
Prerequisites: None
*Biology is a lab-oriented course involving the study of living systems and their interrelationships. Topics include the study of structure and functions of living organism, energy transformation, comparative survey of life processes; diversity of life, and the interdependence of organisms and their environment. **This course requires an EOC exam.***



- 3234** **Biology Advanced**
Grades: 9 **1 credit**
Prerequisites: None
*This is a preparatory course for AP Biology and is designed to develop the knowledge and skills necessary to be successful in a first year college biology course. This is a lab-oriented course involving the study of living systems and their interrelationships. Topics include the study of structure and functions of living organism, energy transformation, comparative survey of life processes; diversity of life, and the interdependence of organisms and their environment. **This course requires an EOC exam.***
- 3534** **Biology AP**
Grades: 11, 12 **1 credit**
Prerequisites: Biology and Chemistry
*AP Biology is designed to be the equivalent of a first-year college biology course with laboratory investigations recommended by the College Board. The goal is to enable the students to develop a solid understanding of the principal concepts in Biology such as molecules and cells; genetics, reproduction, and change; organisms and populations; and to provide the student with the analytical skills necessary to deal critically with the rapid changing science of biology. **Students are required to take the AP exam. Fee is required for the exam.***
- 3534IB** **Biology SL/HL 1 IB**
Grades: 11, 12 **1 credit**
Prerequisites: Biology and Chemistry
*IB Biology SL is a college level course that satisfies the requirements and prepares a student to sit for the IB Biology SL exam. IB Biology SL is also the first course of two if a student intends to sit for the IB Biology HL exam. Topics include: statistical analysis, cells, the chemistry of life, genetics, ecology, human health and physiology among other options. **Students are required to take the IB exam. Fee is required for the exam.***
- 3544IB** **Biology SL/HL 2 IB**
Grades: 12 **1 credit**
Prerequisites: IB Biology SL
*IB Biology HL is a college level course that satisfies the requirement and prepares for a student to sit for the IB Biology HL exam. Topics include: a greater breadth and depth of IB Biology II topics, nucleic acids and proteins, cell respiration and photosynthesis, plant science, genetics, and human health and physiology, among other options. **Students are required to take the IB exam. Fee is required for the exam.***
- 3324** **Chemistry**
Grades: 10, 11, 12 **1 credit**
Prerequisites: Biology and Algebra I
Chemistry includes the study of the structure, composition and behavior of matter, as well as factors that affect the interaction of matter. Laboratory investigations enhance the emphasis of process skills and laboratory safety.



Topics include: characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solutions, thermochemistry, and nuclear chemistry.

3334

Chemistry Advanced

Grades: 10, 11 **1 credit**

Prerequisites: Biology and Algebra I

This is a preparatory course for AP Chemistry and is designed to develop the knowledge and skills necessary to be successful in a first year college chemistry course or IB science courses. Topics include: characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solutions, thermochemistry, and nuclear chemistry. Also including descriptive chemistry and electrochemistry.

3344

Chemistry AP

Grades: 11, 12 **1 credit**

Prerequisites: Biology, Chemistry, Algebra 2

*This course is equivalent to an introductory college course in chemistry. The topics covered follow Advanced Placement guidelines and include: atomic structure, balancing chemical equations, stoichiometry, acids and bases, equilibrium, kinetics and periodic trends. Laboratory investigations are required and may be performed 1-2 times per week. **Students are required to take the AP exam. Fee is required for the exam.***

33441B

Chemistry SL IB

Grades: 11, 12 **1 credit**

Prerequisites: Biology, Chemistry, Algebra 2

*IB Chemistry SL is a college level course that satisfies the requirements and prepares a student to sit for the IB Chemistry SL exam. IB Chemistry SL is also the first course of two if a student intends to sit for the IB Chemistry HL exam. Some topics include: Stoichiometric relationships, atomic structure, periodicity, chemical bonding and structure, Energetics/thermochemistry, chemical kinetics, equilibrium, acids and bases, redox processes, organic chemistry, measurement and data processing, chemical materials, and medicinal chemistry. **Students are required to take the IB exam. Fee is required for the exam.***

3354IB

Chemistry HL IB

Grades: 12 **1 credit**

Prerequisites: IB Chemistry SL

*IB Chemistry HL is a college level course that satisfies the requirement and prepares a student to sit for the IB Chemistry HL exam. Topics Include: a greater breadth and depth of the IB Chemistry SL topics. **Students are required to take the IB exam. Fee is required for the exam***

3684

Earth and Space Science

Grades: 11, 12 **1 credit**

Prerequisites: 3 sciences and math credits, (may take concurrently)

Earth and Space Science is a course focusing on a variety of topics that are designed to develop an understanding of the Earth's system in space and time. The first semester will focus on geology and oceanography as we study



the history of the Earth and the physical events which shaped our planet. The second semester studies will be based on meteorology and planetary astronomy as we attempt to understand the Earth in comparison to other celestial bodies and the cosmos in general. Upon completion of the course, students will have a clear understanding of the dynamic forces at work in the world around them, becoming better caretakers of our planet, Earth.

3624

Environmental Systems

Grades: 11, 12 **1 credit**

Prerequisites: Biology, Chemistry or IPC

Environmental Systems is an upper level course. Students study a variety of topics that include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems.

3634

Environmental Science AP

Grades: 11, 12 **1 credit**

Prerequisites: Biology, Chemistry, and Algebra I

*Environmental Science is an advanced science course. Students explore and investigate the interrelationships of the natural world, identify and analyze environmental problems, both natural and human-made, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving and/or preventing them. **Students are required to take the AP exam. Fee is required for the exam.***

3624IB

Environmental Systems IB

Grades: 11, 12 **1 credit**

Prerequisites: Biology, Chemistry, and Algebra I

*Environmental Systems and Societies course is a one year, transdisciplinary course. It is unique, in that it contains various sciences, coupled with a societal viewpoint, all intertwined to help students understand the environment and its sustainability. The purpose of this course is to expose students to the interrelationships of the environment and societies, and the nature of their interactions, so that they can make an informed personal response to a wide range of pressing global issues. **Students are required to take the IB exam. Fee is required for the exam.***

8124

Food Science

Grades: 11, 12 **1 credit**

Prerequisites: 3 units of science, including Biology and Chemistry

Counts as science credit. This laboratory course provides in-depth study of the significance of nutrition in food science. It addresses the knowledge and skills needed to study food science, processing, marketing, and technology involved in food/nutrition. The opportunities in food and nutrition occupational areas are explored as well as the concepts and skills related to managing the dual roles of homemaker and wage earner.



3664

Forensic Science

Grades: 11, 12

1 credit

Prerequisites: Biology and Chemistry

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes.

3124

Integrated Physics and Chemistry

Grades: 9, 10

1 credit

Prerequisites: None

*IPC is an introductory course designed to acquaint the student with concepts and processes of physics and chemistry. Laboratory investigations are an integral part of the course. Topics of study shall include properties and relationships of matter and energy, atomic structure, chemical formulas and equations, mechanics, heat, electricity and magnetism, motion, waves, light and sound. **Integrated Physics and Chemistry must be taken prior to Chemistry and/or Physics.***

3424

Physics

Grades: 10, 11, 12

1 credit

Prerequisites: Biology, Chemistry, and Algebra I

Physics is a mathematically rigorous science course designed to ignite the curiosity about the physical world. Emphasis is placed on the laws governing motion, the nature of forces acting in the physical world, the changes of energy in systems, thermodynamics, the behavior and characteristics of waves focusing on sound and light, and atomic, nuclear, and quantum phenomena. Students will develop laboratory skills, calculate physical concepts in real world situations, and use scientific method to investigate and apply the ideas of physics to the world today.

3464

Physics 1 AP

Grades: 11, 12

1 credit

**Prerequisites: Biology, Chemistry, and Algebra II
(may take concurrently)**

*This course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. Students will use critical thinking and scientific problem solving using the scientific method. **Students are required to take the AP exam. Fee is required for the exam.***



3474

Physics 2 AP

Grades: 12 **1 credit**

Prerequisites: Physics 1 AP, Pre-calculus or Calculus

*This course is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. Students will use critical thinking and scientific problem solving using the scientific method. **Students are required to take the AP exam. Fee is required for the exam.***

3454

Physics C: Mechanics AP

Grades: 12 **1 credit**

Prerequisites: Physics 1 AP and Calculus AB completion or concurrent enrollment.

*This course looks at the mechanical aspects of physics from a calculus viewpoint. It covers a variety of topics that include: linear and rotational kinematics, Newton's Laws, rotational dynamics, conservation of momentum and energy, and simple harmonic motion. **Students are required to take the AP exam. Fee is required for the exam.***

3454DNH

Physics Dual Credit

Grades: 11, 12 **1 credit**

Dual Credit

This is a college level physics course. Students will use higher level thinking skills to solve conceptual and numerical problems in laboratory investigation and mathematical computations. It covers a variety of topics that include: linear and rotational kinematics, Newton's Laws, rotational dynamics, conservation of momentum and energy, and simple harmonic motion. Registration at Lone Star is required, along with tuition paid to Lone Star prior to each semester. There are No high school ranking GPA points awarded for this course.

3464IB

Physics I IB

Grades: 11 **1 credit**

Prerequisites: Biology, Chemistry, and Algebra 2

*IB Physics I is the first year of a two year college level course that satisfies the requirements and prepares a student to sit for the IB Physics SL exam at the end of their senior year. Topics include: measurements and uncertainties, mechanics, thermal physics, waves, electricity and magnetism, circular motion and gravitation, atomic, nuclear and particle physics, energy production, and relativity. **Students are required to take the IB exam. Fee is required for the exam.***



3474IB

Physics 2 IB

Grades: 12

1 credit

Prerequisites: IB Physics I

*IB Physics II is the second year of a two year college level course that satisfies the requirements and prepares a student to sit for the IB Physics SL exam at the end of their senior year. Topics include: measurements and uncertainties, mechanics, thermal physics, waves, electricity and magnetism, circular motion and gravitation, atomic, nuclear and particle physics, energy production, and relativity. **Students are required to take the IB exam. Fee is required for the exam.***

8484

Advanced Soil and Plant Science

Grades: 11, 12

1 credit

Prerequisites: Advanced Floral

This course continues the path regarding the floral industry. Students can earn certification in Floral Design.



Social Studies Courses

Course	Credits	Grade Level	Prerequisites
World Geography	1	9	None
AP Human Geography	1	9	Advanced History Coursework*
World History	1	10	None
AP World History: Modern	1	10	Advanced History Coursework*
U.S. History	1	11	None
AP U.S. History	1	11	Advanced History Coursework*
Dual Credit U. S. History	1	11	Lone Star Application and TSI Assessment (1301 & 1302)
IB History of the Americas	1	11	Advanced History Coursework*
IB History of the 20th Century	1	12	IB History of the Americas
United States Government	0.5	12	None
AP United States Government	0.5	12	Advanced History Coursework*
Dual Credit Government	0.5	12	Lone Star Application and TSI Assessment (2305)
Economics	0.5	12	None
Online Dual Credit Economics	0.5	12	Lone Star Application and TSI Assessment
AP Macroeconomics	0.5	12	Advanced History Coursework*
IB Philosophy	1	Grades 11-12	Advanced History Coursework*
Psychology	0.5	Grades 10-12	None
Sociology	0.5	Grades 10-12	None
AP Psychology	1	Grades 11-12	Advanced History Coursework*
IB Psychology	1	Grades 11-12	Advanced History Coursework*
IB Theory of Knowledge	1	Grades 11-12	IB Diploma Student
Personal Financial Literacy	0.5	Grades 10-12	None
Personal Financial Literacy/Economics	.05	12	None
Special Topics–Current Events	0.5	Grades 11-12	None



- 2124** **World Geography**
Grades: 9 **1 credit**
Students will study the economic, cultural, political, and physical aspects of the earth, comparing the various regions of the world. The goal of this course is a general understanding of the modern physical world and the geo-economics and geopolitical realities, which underlie the modern world with the emphasis on globalization affecting the United States and other leading world nations.
- 2144** **Human Geography AP**
Grades: 9 **1 credit**
Suggested Prerequisite: Advanced History coursework
*AP Human Geography is a yearlong course that focuses on the distribution, processes, and effects of human populations on the planet. The course provides a systematic study of human geography, including the following topics outlined in the course description: Nature of and Perspectives on Geography, Population, Cultural Patterns and Processes, Political Organization of Space, Agricultural and Rural Land Use, Industrialization and Economic Development, Cities and Urban Land Use. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also gain knowledge of the methods and tools geographers use in their science and practice. **Students are required to take the AP exam. Fee is required for the exam.***
- 2224** **World History**
Grades: 10 **1 credit**
World History Studies is a survey of the history of humankind. Due to the expanse of world history and the time limitations of the school year, the scope of this course will focus on "essential" concepts and skills that can be applied to various eras, events, and people. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Students analyze and evaluate the impact of geographic, social, political, cultural and technological factors on major historic events. Learned skills include analysis of maps and graphs, interpreting various sources for historical inquiry and research, and connecting historical events to current events.
- 2244** **World History AP**
Grades: 10 **1 credit**
Suggested Prerequisite: Advanced History coursework
AP World History focuses on developing students' abilities to think conceptually about world history from approximately 8000 BCE to the present and apply historical thinking skills as well as analysis of secondary and primary sources, historical interpretation, writing and research. Five themes of equal importance — focusing on the environment, cultures, state-building, economic systems, and social structures — provide areas of historical inquiry for investigation throughout the course. AP World History encompasses the history of Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and



processes that cross multiple regions. **Students are required to take the AP exam. Fee is required for the exam.**

2324

U.S. History

Grades: 11 1 credit

This course traces the emergence of the United States as a world power from the Post-Civil War period to the present, including geographic influences on the country's historical, economic, social, cultural, and political developments.

2324IB

History of the Americas HL IB

Grades: 11 1 credit

Suggested Prerequisite: Advanced History coursework

The course will survey both United States and Latin American history with particular emphasis on points of similarity and differences in the political, economic, social, and diplomatic development of the two regions. Students will study primary and secondary source materials. Major emphasis is placed on scholarly writing. Students in this course will be prepared to take the History of the Americas HL Exam for the International Baccalaureate Program. Students will prepare the IB History research requirement during this course. This course fills the junior year of the IB History tract. This course meets the graduation requirements for US History. Students will be required to take the US History EOC Exam.

2334

U.S. History AP

Grades: 11 1 credit

Suggested Prerequisite: Advanced History coursework

*This course is an overview of U.S. history in a college-level introductory course which examines the nation's political, diplomatic, intellectual, cultural, social, and economic history from 1491 to the present. In addition to learning historical content, the course will require students to analyze and interpret various primary and secondary sources of materials. The student will be expected to read and evaluate a large amount of material and involves significant outside reading & essay writing. **Students are required to take the AP exam. Fee is required for the exam. Students will be required to take the US History EOC Exam.***

2334DNH

U. S. History - Dual Credit

Grades: 11 1 credit

Prerequisites: Lone Star College Application and TSI Assessment (no fees)

This course is an overview of U.S. history from the discovery and settlement of the New World (1492) to the present. In addition to learning historical content, the course will require students to analyze and interpret various sources of materials. The student will be expected to read and evaluate a large amount of material and involves significant outside reading & essay writing. Registration at Lone Star is required, along with tuition paid to Lone Star prior to each semester. There are NO high school ranking GPA points given for Dual credit courses and students are required to the US History EOC Exam.

2354IB

History of the 20th Century IB

Grades: 12 1 credit

Prerequisites: IB History of the Americas

*The course will survey political, social, and military topics from the twentieth century with particular emphasis on causes, practices, and effects of the events of the time period. Major topics include The Cold War, The Rise and Rule of Single Party States, and 20th Century Warfare. Students will study primary and secondary source materials. Students in this course will be prepared to sit for papers 1 and 2 of the Twentieth Century World Topics portion of the History of the Americas HL Exam for the International Baccalaureate Program. This course fills the senior year of the IB History tract. This course meets the graduation requirements for Government and Economics. It includes History of the Americas, Part 2. **Students are required to take the IB external assessment in the spring. Fee is required for the exam.***

2422

United States Government

Grades: 12 0.5 credit

This course explores the structure and dynamics of American national government, providing a broad-based introduction to the ideas and institutions that shape politics in the contemporary United States. We will focus our analysis on three major areas: the Constitution and the debates of the founding era, the institutions of modern American government, and the political behavior of the American mass public.

2432

U. S. Government AP

Grades: 12 0.5 credit

Suggested Prerequisite: Advanced Social Studies coursework

*AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning assess causes and consequences of political events, and interpret data to develop evidence-based arguments. **Students are required to take the AP exam. Fee is required for the exam.***

2432DNH

Government Dual Credit

Grade 12 0.5 credit

Prerequisites: Lone Star College Application and TSI Assessment (no fees)

Origin and development of the U.S. Constitution, structure and powers of the national government including the three branches of American government, federalism, political participation, the national election process, public policy, civil rights and liberties. There are no ranking GPA points awarded for this course.



- 2522** **Economics**
Grades: 12 **0.5 credit**
This course emphasizes the benefits of the free enterprise system. Topics include supply and demand, the business cycle, incentives, labor, and the factors of production, as well as the relationship of government to the American economic system, international economic relations, and consumer skills such as balancing a checkbook and taking out a loan.
- 2522DNH** **Online Dual Credit Economics**
Grades: 12 **0.5 credit**
This course emphasizes the benefits of the free enterprise system. The course includes an analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy. The structure of the online Dual Credit course is such that most of the responsibility, such as attendance, questions about the course, and receipt of grades and high school credit, relies on the student.
- 2532** **Macroeconomics AP**
Grades: 12 **0.5 credit**
Suggested Prerequisite: Advanced Social Studies coursework
*AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. **Students are required to take the AP exam. Fee is required for the exam.***
- 2534IB** **Economics IB SL**
Grades: 11, 12 **1 credit**
*This course is a one-year course covering microeconomic, macroeconomic, international and development economics. The course provides students with a core knowledge of economics, encourages students to think critically about economics, promotes an awareness and understanding of internationalism in economics and encourages students' development as independent learners. Alongside the empirical observations of positive economics, students of the subject are asked to formulate normative questions and to recognize their own tendencies for bias. **Students are required to take the IB exam. Fee is required for the exam.***
- 2612** **Special Topics--Current Events**
Grades 11, 12 **0.5 Credit**
This course will provide students the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world through current events. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches with content focusing on a variety of local, national and international events.



2622

Psychology

Grades: 10, 11, 12 0.5 credit

This course focuses on individual behavior and why an individual thinks, feels, and reacts to certain stimuli. Major emphases will be placed on research methods, stages in childhood and adolescence, how the brain works, altered states of consciousness, psychological testing, and psychological disorders.

2722

Sociology

Grades: 10, 11, 12 0.5 credit

Sociology allows students to study human social behavior from a group perspective. The sociological perspective is a method of studying recurring patterns in people's attitudes and actions and how these patterns vary across time, cultures, and in social settings and groups. Students will describe the development of sociology as a social science and identify methods of research. Through research methods such as scientific inquiry students will examine society, group behavior, and social structures. The influence of culture on group behavior is addressed through institutions such as the family, religion, education, economics, community organizations, government, and political and social groups. The impact of social groups and institutions on group and individual behavior and the changing nature of society will be examined. Influences on group behavior and social problems are included in the course. Students will also analyze the role of individuals in the community and social problems in today's world.

2824

Psychology AP

Grades: 11, 12 1 credit

Suggested Prerequisite: Advanced Social Studies coursework

*Students will study advanced principles of general psychology, human concerns and the origins of behavior and examine the development of man's intellectual and emotional growth from birth to death with mental health as the goal. Also included is the study of motivation, state of consciousness, effects of stress and anxiety, and personality development. **Students are required to take the AP exam. Fee is required for the exam.***

2824IB

Psychology IB SL

Grades: 11, 12 1 credit

Suggested Prerequisite: Advanced Social Studies coursework

*This course prepares the student to be successful on the IB Psychology SL exam. Psychology is examined from the Biological, Cognitive and Sociocultural levels of analysis. Abnormal Psychology is also examined. In addition, students will complete the Internal Assessment component of the IB requirement. Students who enroll in this class must complete the IB Psychology exam. This course is a social studies elective credit. **Students are required to take the IB exam. Fee is required for the exam.***



2834IB

Psychology IB HL

Grades: 12

1 credit

Prerequisites: IB Psychology SL

*This course prepares the student to be successful on the IB Psychology HL exam. Topics include: research methods, health psychology, sport psychology, human relationships, and developmental psychology. Students will submit a modified version of the internal assessment completed in IB Psychology SL. This course is a social studies elective credit. **Students are required to take the IB exam. Fee is required for the test.***

- 2832IB** **Theory of Knowledge IB**
Grades: 11 **0.5 credit**
Prerequisites: IB Diploma Student
Theory of knowledge (TOK) is a course that investigates the nature of knowledge itself and our relationship to it. As a thoughtful and purposeful inquiry into knowledge, TOK is composed almost entirely of questions. The course reflects critically on diverse ways of knowing and on areas of knowledge and considers the role and nature of knowledge in their own culture and the cultures of others. TOK prompts students to be aware of themselves as thinkers, encouraging them to become more acquainted with the complexity of knowledge, and the need to act responsibly in an increasingly interconnected but uncertain world. TOK is only for IB diploma students.
- 28354IB** **Philosophy IB SL**
Grades: 11, 12 **1 Credit**
Suggested Prerequisite: Advanced Social Studies coursework
This course needs IB Coordinator Approval.
- 28364IB** **Philosophy IB HL**
Grades: 12 **1 Credit**
Prerequisite: Philosophy SL
*This course prepares the student to be successful on the IB Philosophy HL exam at the end of the year. Philosophy HL includes building on topics previously studied in Philosophy SL, an in depth study of a second branch of philosophy, an in depth study of a second single work of philosophy. The course also includes a deeper exploration of the nature, function, meaning and methodology of philosophy. **Students who enroll in this class must complete the IB Philosophy HLEXAM. A fee is required for the exam.***
- 2842IB** **Theory of Knowledge IB**
Grades: 12 **0.5 credit**
Prerequisites: IB Diploma Student
Continuation of 2832IB Theory of Knowledge
- 6002** **Personal Financial Literacy**
Grades: 10, 11, 12 **0.5 credit**
Personal Financial Literacy is designed to 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. It is designed to be an interactive and research-based course.

2523

Personal Financial Literacy and Economics

Grades: 11, 12

0.5 credit

This course provides a foundation in both microeconomics and macroeconomics. Students will survey the impact of demand, supply, various industry structures, and government policies on the market for goods, services, and wages for workers. Macroeconomic study involves economic systems with an emphasis on free enterprise market systems, goals of full employment, price stability, and growth while examining problems such as unemployment and inflation and the policies enacted to address them. Students will examine their individual responsibility for managing their personal finances and understand the impact on standard of living and long-term financial well-being. Students will connect how their financial decision making impacts the greater economy.





World Language Courses

Course	Credits	Grade Level	Prerequisites
Spanish I	1	9, 10, 11	None
Spanish II	1	9, 10, 11, 12	Spanish I
Spanish II Advanced	1	9, 10, 11	Spanish I
Spanish III Advanced	1	10, 11, 12	Spanish II or Spanish II Advanced
AP Spanish IV (Spanish Language and Culture)	1	11, 12	Spanish III Advanced
AP Spanish V (Spanish Literature and Composition)	1	12	AP Spanish IV
Spanish for Native Speakers I & II	2	9, 10, 11, 12	Moderate to advanced proficiency on the Native Speakers exam
AP Spanish for Native Speakers	1	9, 10, 11, 12	Advanced proficiency on the Native Speakers exam
Spanish Ab Initio 1 IB	1	11	None
Spanish Ab Initio 2 IB		12	Spanish Ab Initio 1 IB
Spanish IV IB	1	11, 12	Spanish III Advanced
Spanish V IB	1	12	Spanish IV IB
French I	1	9, 10, 11	None
French II	1	10, 11, 12	French I
French II Advanced	1	10, 11, 12	French I
French III Advanced	1	11, 12	French II or French II Advanced
AP French IV	1	12	French III Advanced
French IV IB	1	12	French III Advanced
French Ab Initio I IB	1	11, 12	None
French Ab Initio 2 IB	1	12	French Ab Initio 1 IB
Spanish I	1	9, 10, 11	None
Spanish II	1	9, 10, 11, 12	Spanish I
Spanish II Advanced	1	9, 10, 11	Spanish I



World Language Courses

- 1484** **Spanish for Native Speakers AP**
Grades: 9, 10 **1 credit**
Prerequisites: Demonstration of moderate to advanced proficiency on the Native Speakers Exam. Students can get up to 4 credits depending on results of AP exam score.
Focuses on the development of communicative competence in reading, writing speaking and listening and viewing, as well as on understanding Hispanic cultures and issues of identity of heritage speakers of Spanish in the US. Students are required to take the AP exam. Fee is required for the exam.
- 14912** **Spanish for Native Speakers 1 & 2**
14932 **Grades: 9, 10, 11, 12** **1 credit**
Prerequisites: Demonstration of moderate to advanced proficiency on the Native Speakers Exam. Students may get 2 credits-Spanish 1 & 2
Focuses on the development of communicative competence in reading, writing, speaking and listening and viewing, as well as on understanding Hispanic cultures and issues of identity of heritage speakers of Spanish in the U.S.
- 1504** **Spanish I**
Grades: 9, 10, 11 **1 credit**
This course offers basic understanding of the Spanish language and exposure to the culture of the Spanish-speaking world. Introduction to basic vocabulary and grammar will enable students to learn to discuss everyday topics such as family, school, numbers, time and weather. Oral and written practices are stressed.
- 1514** **Spanish 2**
Grades: 9, 10, 11, 12 **1 credit**
Prerequisites: Spanish 1
This course continues the study of language skills important for everyday use. The basic skills of reading, writing, speaking, listening, and understanding the culture are continued. This course emphasizes grammatical concepts. This course is not recommended for students going on to take Spanish 3 Pre-AP.
- 1514Q** **Spanish 2 Advanced**
Grades: 9, 10, 11 **1 credit**
Prerequisites: Spanish 1
The rigor in this course is designed for students going on to take Pre-AP Spanish 3 and higher. It continues the study of language skills important for everyday use. The basic skills of reading, writing, speaking, listening, and understanding the culture are continued. This course emphasizes grammatical concepts.

- 1524** **Spanish 3 Advanced:**
Grades: 10, 11, 12 **1 credit**
Prerequisites: Spanish 2 Advanced (recommended), Spanish 2
This course is designed for students who plan to advance to higher level Spanish courses. Emphasis is on oral and written communication through continued study of conversation, writing, reading, acquisition of vocabulary, and advanced grammar concepts. Students are also taught to develop higher level thinking skills in Spanish such as syntheses, analysis, and evaluation. Spanish is spoken in the classroom most of the time.
- 1534** **Spanish 4 AP (Span. Lang. & Comp).**
Grades: 11, 12 **1 credit**
Prerequisites: Spanish 3 Advanced (recommended), Spanish 2
An advanced Spanish course offering a challenging and rigorous academic curriculum. Students will continue to review and amplify their studies in Spanish in this rigorous Spanish language environment. Course emphasizes varied experiences in speaking and oral comprehension, reading and discussion of authentic literature and writing composition. Students are required to take the AP exam. Fee is required for the exam.
- 1504IB** **Spanish AB Initio 1 IB**
Grades: 11 **1 credit**
This course is for students with no previous formal experience of learning Spanish or whose main interests lie outside the field of foreign language. It will enable you to communicate with people from a new culture. Spanish ab initio SL not only covers essential vocabulary and grammar, but key elements of Hispanic life and culture such as food, leisure, family relationships and entertainment. In order to take the IB Spanish Ab Initio exam: A student with no Spanish experience must take Ab Initio for two years. A student who has taken Spanish I and Spanish 2 can take ab initio for one year. Students are required to take the IB exam. Fee is required to take the exam.
- 1534IB** **Spanish 4 IB**
Grades: 11, 12 **1 credit**
This course offers an in depth study of the language, particularly emphasizing the skills of speaking, listening comprehension, reading, writing, and cultural literacy- Literary selections will provide a springboard for discussion of thematic topics such as modern society, contemporary issues, culture and history, and will prepare students for both IB exam. Classes will focus on interactive, interpretive, and presentational skills, and authentic texts and literary works will be introduced as readings. Students will also engage in research and extended writing activities, such as journals, creative writing, multimedia presentations, and compositions. Language study at these levels emphasizes reading strategies, writing for a variety of formats, vocabulary-building, and narrative oral skills. Instruction, class, discussion, and assignments will be in the target language. The use of the English language will be very limited in the course. Students are required to take the IB exam. Fee is required to take the exam.



- 1544** **Spanish 5 AP (Span, Lit. & Comp.)**
Grades: 12 **1 credit**
Prerequisites: Advanced level proficiency in the Spanish language
A very rigorous Spanish Literature course designed to prepare the advance Spanish students to understand lectures in Spanish and to participate actively in literary discussions in Spanish, to perform a close reading of Peninsular and Latin American literary texts in all genres and to analyze the form and content of literary works, poetry analysis, thematic analysis, as well as text analysis from various authors and time periods. Students are expected to take the AP exam. Fee is required for the exam.
- 1514IB** **Spanish AB Initio 2 IB**
Grades: 12 **1 credit**
Prerequisites: Spanish Abinitio 1 IB
This course is for students with no previous formal experience of learning Spanish or whose main interests lie outside the field of foreign language. It will enable you to communicate with people from a new culture. Spanish ab initio SL not only covers essential vocabulary and grammar, but key elements of Hispanic life and culture such as food, leisure, family relationships and entertainment. In order to take the IB Spanish Abinitio exam: A student with no Spanish experience must take Ab initio for two years. A student who has taken Spanish 1 & Spanish II can take ab initio for one year. Students are required to take the IB exam. Fee is required for the exam.
- 1544IB** **Spanish 5 IB**
Grades: 12 **1 credit**
Prerequisites: IB Spanish 4
Follow-up course for IB Spanish 4.
- 1554** **French 1**
Grades: 9, 10, 11 **1 credit**
Communicative approach to the French language that emphasizes the development of language skills, cultural competence needed to communicate effectively and knowledge of French speaking communities.
- 1564** **French 2**
Grades: 10, 11, 12 **1 credit**
Prerequisites: French 1
Advanced intermediate course that presents readings of progressive difficulty, allowing for both discussion and the writing of essays on related topics -the course emphasizes style, the understanding of short literary texts and composition in French.
- 1564Q** **French 2 Advanced**
Grades: 10, 11, 12 **1 credit**
Prerequisites: French 1
Advanced intermediate course that presents readings of progressive difficulty, allowing for both discussion and the writing of essays on related topics -the



course emphasizes style, the understanding of short literary texts and composition in French.

- 1574IB** **French 3 Advanced**
Grades: 11, 12 **1 credit**
Prerequisites: French 2 Advanced (recommended), French 2
Course involves further study of speaking, listening, reading and writing in French, with French as the exclusive means of communication. Intensive course offers students a thorough grounding in basic French grammar, with particular emphasis on oral expression.
- 1584** **French 4 AP**
Grades: 12 **1 credit**
Prerequisites: French 3 Advanced
Advanced review of French grammar emphasizing oral expression and communication in French - there is an overview of several Francophone authors and French history. Students are required to take the AP exam. Fee is required for the exam.
- 1584IB** **French 4 IB**
Grades: 12 **1 credit**
Prerequisites: French 3 Advanced
This course offers an in depth study of the language, particularly emphasizing the skills of speaking, listening comprehension, reading, writing, and cultural literacy. Literary selections will provide a springboard for discussion of thematic topics such as modern society, contemporary issues, culture and history, and will prepare students for the IB exam. Classes will focus on interactive, interpretive, and presentational skills, and authentic texts and literary works will be introduced as readings. Students will also engage in research and extended writing activities, such as journals, creative writing, multimedia presentations, and compositions. Language study at these levels emphasizes reading strategies, writing for a variety of formats, vocabulary-building, and narrative oral skills. Instruction, class, discussion, and assignments will be in the target language. The use of the English language will be very limited in the course. Students are required to take the IB exam. Fee is required for the exam.
- 1554IB** **French AB Initio 1 IB**
Grades: 11, 12 **1 credit**
This course is for students with no previous formal experience of learning French or whose main interests lie outside the field of foreign language. It will enable you to communicate with people from a new culture. French ab initio SL not only covers essential vocabulary and grammar, but key elements of French life and culture such as food, leisure, family relationships and entertainment. In order to take the IB French Abinitio exam: A student with no French experience must take Ab initio for two years A student who has taken French I and French II can take ab initio for one year. Students are required to take the IB exam. Fee is required for the exam.



1564IB

French AB Initio 2 IB

Grades: 12

1 credit

Prerequisites: French AB Initio 1 IB

This course is for students with no previous formal experience of learning French or whose main interests lie outside the field of foreign language. It will enable you to communicate with people from a new culture. French ab initio SL not only covers essential vocabulary and grammar, but key elements of French life and culture such as food, leisure, family relationships and entertainment. In order to take the IB French Abinitio exam: A student with no French experience must take Ab initio for two years A student who has taken French I and French II can take ab initio for one year. Students are required to take the IB exam. Fee is required for the exam.



Fine Arts Courses

Course	Area	Credit	Grade Level	Prerequisites
Visual Arts 1 IB	Art	1	11	Coordinator approval
Visual Arts 2 IB	Art	1	12	Visual Arts 1 IB
Art 1	Art	1	9-12	
Art 2D: Drawing & Painting	Art	1	10-12	Art 1
Art 2 3D: Sculpting	Art	1	10-12	Art 1
Art 3 Studio Advanced	Art	1	11-12	Art 2
AP Art 4 Studio Art	Art	1	12	Art 3 Studio Advanced
AP Art 4 Drawing	Art	1	12	Art 3 Studio Advanced
AP Art History	Art	1	11, 12	
Theatre Arts 1	Theatre	1	9-12	
Theatre Production 1-4	Theatre	1	9-12	Teacher approval
Tech Theatre 1-4	Theatre	1	10-12	
Concert Band	Band	1	9-12	Prior band experience, audition, and director approval
Drumline	Band	1		
Jazz Ensemble	Band	1		
Front Ensemble	Band	1		
Symphonic Band	Band	1		
Wind Ensemble	Band	1		
Color Guard	Band	1	9-12	Audition
Tenor/Bass Choir	Choir	1	9-12	
Intermediate Tenor Bass Choir	Choir	1	9-12	Audition, prior music experience encouraged
Advanced Tenor/Bass Choir	Choir	1	10-12	Audition, prior music experience required
Treble Choir	Choir	1	9-12	
Intermediate Treble Choir	Choir	1	9-12	Audition, prior music experience encouraged
Advanced Treble Choir	Choir	1	10-12	Audition, prior music experience required
Chorale	Choir	1	9-12	Audition, Prior music experience required
Piano	Music	1	9-12	
AP Music Theory	Music	1	12	
IB Music 1	Music	1	11	Coordinator Approval
IB Music 2	Music	1	12	IB Music 1



5714FE	<u>Front Ensemble 1, 2, 3, 4</u>
5724FE	Grades 9, 10, 11, 12 1 credit
5734FE	Prerequisites: Prior band experience, audition, and director approval
5744FE	<i>The Front Ensemble is part of the overall band program. This course is a performance based course where skills and styles of playing will be fully developed throughout the year. The band will compete in UIL and TMEA sponsored events as well as school related and public performances. After school rehearsals and performances are required.</i>
5714S	<u>Symphonic Band 1, 2, 3, 4</u>
5724S	Grades 9, 10, 11, 12 1 credit
5734S	Prerequisites: Prior band experience, audition, and director approval
5744S	<i>The Symphonic Band is part of the overall band program. This course is a performance based course where skills and styles of concert band playing will be fully developed throughout the year. The band will compete in UIL (non-varsity) and TMEA sponsored events as well as school related and public performances. After school rehearsals and performances are required.</i>
5714W	<u>Wind Ensemble 1, 2, 3, 4</u>
5724W	Grades 9, 10, 11, 12 1 credit
5734W	Prerequisites: Prior band experience, audition, and director approval
5744W	<i>The Wind Ensemble is part of the overall band program. This course is a performance based course where skills and styles of concert band playing will be fully developed throughout the year. The band will compete in UIL (varsity) and TMEA sponsored events throughout the year, as well as school related and public performances. After school rehearsals and performances are required.</i>
5754	<u>Color Guard</u>
5764	Grades 9, 10, 11, 12 1 credit
5774	Prerequisites: Audition
5784	<i>The color guard is part of the overall band program. This course is a performance based course where skills involving prop manipulation, theatrics, dance, & athleticism will be developed throughout the year. The color guard will compete alongside the band at UIL & TMEA sponsored events as well as compete independently in the TCGC circuit. After school rehearsals and performances are required.</i>
7114	<u>Art I</u>
	Grades: 9, 10, 11, 12 1 credit
	<i>Introduction to basic art techniques and composition using the principles and elements of design - This course includes work in the areas of design, drawing, painting, print making, sculpture, and ceramics with an introduction to vocabulary and art history.</i>
7124	<u>Art 2- 2D Painting/Drawing</u>
	Grades: 10, 11, 12 1 credit
	Prerequisites: Art I
	<i>Introduction to various drawing techniques and media with emphasis on black and white media such as charcoal, ink, and pencil.</i>



- 7154** **Art 2 3D: Sculpting**
Grades: 10, 11, 12 **1 credit**
Prerequisites: Art I
Students rely on their perceptions of the environment, developed through increasing visual awareness and sensitivity to surroundings, memory, imagination, and life experiences, as a source for creating artworks.
- 7164** **Art 3 Advanced Studio**
Grades: 11, 12 **1 credit**
Prerequisites: Art 2 2D: Drawing & Painting
Introduction to various painting techniques using tempera, watercolor, acrylic, pastels, and paint sticks. Vocabulary, history of painting, and analyzing artwork is stressed.
- 7084** **Art 4 Studio Art AP**
Grades: 11, 12 **1 credit**
Prerequisites: Art 3 Advanced Studio
The advanced placement (AP) studio art program offers the highly motivated student advanced work and experience in 2D design to prepare a portfolio for AP credit. Rigorous work schedule requires student to work in and out of class. Students are required to take the AP exam. Fee is required for the exam.
- 7094** **Art 4 Drawing AP**
Grades: 11, 12 **1 credit**
The advanced placement (AP) studio art 4 class offers the highly motivated student advanced work and experience to prepare a portfolio for AP credit. Rigorous work schedule requires student to work in and out of class. Students are required to take the AP exam. Fee is required for the exam and any study guide.
- 7194** **Art History AP**
Grades: 11, 12 **1 credit**
Art History is designed to provide an understanding and enjoyment of architecture, sculpture, painting, and other art forms within historical and cultural contexts. Students will examine major forms of artistic expression from the past and present, and from a variety of cultures. Students learn to look at works of art critically, with intelligence and sensitivity, and to articulate what they see or experience. Students are required to take the AP exam. Fee is required for the exam and any study guide.
- 7214** **Theatre Arts I**
Grades 9, 10, 11, 12 **1 credit**
This course includes instruction in the expressive use of the body and voice, improvisation, auditioning, stage movement, playwriting, history, technical theatre skills, and appreciation. Students will learn classical acting skills. Students perform in front of an audience of peers and use technical talents and practical applications. This course satisfies the high school speech graduation requirement.



- 7264** **Theatre Production 1**
Grade: 9 **1 credit**
Prerequisite: Teacher Approval (JH teacher recommendation)
This class is geared towards the beginning students interested in theatre extra-curricular performances.
- 7274** **Theatre Production 2, 3, 4**
7284 **Grades: 10, 11, 12** **1 credit**
7294 **Prerequisite: Teacher Approval**
Practical hands-on experience in acting and stagecraft through the preparation and public performance of play. Course includes acting concepts and skills, theatre production concepts and skills, theatre production concepts and skills, and appreciation of live theatrical events. This course satisfies the high school speech graduation requirement.
- 7614** **Technical Theatre 1**
Grades 10, 11, 12 **1 credit**
Prerequisite: Theatre Arts I
This class combines theories of design and stagecraft techniques with the construction and operations of various elements of technical theatre. Course includes study of scenery, properties, lighting, costumes, makeup, sound, and public relations.
- 7624** **Technical Theatre 2, 3**
7634 **Grades 11, 12** **1 credit**
Prerequisite: Theater Arts 1 and Teacher Approval
This class combines theories of design and stagecraft techniques with the construction and operations of various elements of technical theatre. Course includes study of scenery, properties, lighting, costumes, makeup, sound, and public relations.
- 7314T** **Treble Choir**
7324T **Grades: 9, 10, 11, 12** **1 credit**
7334T *This is a non-auditioned group that will focus on developing vocal technique and performance skills. Opportunities for individual and group competition will be included, but not required. Co-Curricular concerts are required for credit. UIL Concert and Sightreading evaluation (sub non-varsity) may be required for this ensemb*
7344T
- 7394T** **Intermediate Treble Choir**
7404T **Grades: 9, 10, 11, 12** **1 credit**
7414T *Some prior music experience is encouraged. This auditioned group will focus on the continued development of individual vocal technique and performance skills. Co-Curricular concerts including UIL Concert and Sightreading evaluation (non-varsity) are required for credit. Additional rehearsals, performances, and competitions may be required.*
7424T



7444T	<u>Advanced Treble Choir</u>	
7454T	Grades 10, 11, 12	1 credit
7464T	<i>Prior music experiences are expected. This auditioned group will focus on the continued development of individual vocal technique and performance skills. Co-Curricular concerts including UIL Concert and Sightreading evaluation (varsity) are required for credit. Additional rehearsals, performances, and competitions may be required.</i>	
7314TB	<u>Tenor/Bass Choir</u>	
7324TB	Grades 9, 10, 11, 12	1 credit
7334TB	<i>This is a non-auditioned group that will focus on developing performance skills.</i>	
7344TB	<i>Opportunities for individual and group competition will be included, but not required. Co-Curricular concerts are required for credit. UIL Concert and Sightreading evaluation (sub non-varsity) may be required for this ensemble.</i>	
7394TB	<u>Intermediate Tenor/Bass Choir</u>	
7404TB	Grades 9, 10, 11, 12	1 credit
7414TB	<i>Some prior music experience is encouraged. This auditioned group will focus on the continued development of individual vocal technique and performance skills. Co-Curricular concerts including UIL Concert and Sightreading evaluation (non-varsity) are required for credit.</i>	
7424TB	<i>Additional rehearsals, performances, and competitions may be required.</i>	
7444TB	<u>Advanced Tenor/Bass Choir</u>	
7454TB	Grades 10, 11, 12	1 credit
7464TB	<i>Prior music experiences are expected. This auditioned group will focus on the continued development of individual vocal technique and performance skills. Co-Curricular concerts including UIL Concert and Sightreading evaluation (varsity) are required for credit. Additional rehearsals, performances, and competitions may be required.</i>	



- 7534C** **Chorale**
7544C **Grades: 11, 12** **1 credit**
7554C Prior music experiences are expected. This auditioned group will focus on the continued development of individual vocal technique and performance skills in a mixed voice setting at a collegiate preparatory level. Co-Curricular concerts including UIL Concert and Sightreading evaluation (varsity) are required for credit. Additional rehearsals, performances, and competitions may be required.
- 7564** **Class Piano**
Grades: 10 11 12 **1 credit**
This course focuses on individual keyboard instruction that develops basic music literacy and piano performance skills. Opportunities for individual competition may be included, but not required. Co-Curricular recitals / juries may be required for credit.
- 7574IB** **IB Music I**
Grades 11,12
Part of the IB Diploma Program
- 7674IB** **IB Music 2**
Grade 12
Prerequisite: IB MUSIC 1
Part of the IB Diploma Program
- 7574** **AP Music Theory**
Grades: 11, 12 **1 credit**
Suggested Prerequisite: Prior music experience (band, choir, class piano, string, and/or keyboard) is strongly encouraged.
AP Music Theory is an introductory college-level music theory course. Students cultivate an understanding of music theory through analyzing performed and notated music as they explore concepts like pitch, rhythm, form, and musical design. Students develop ear-training, sight-singing, and compositional skills. A student's ability to read and write musical notation is fundamental to this course. Students are expected to take the AP exam in May. Fees are required for the exam and some course material, such as a study guide.



Electives



Journalism Courses

- 1704** **Journalism**
Grades: 9, 10, 11, 12 **1 credit**
This course is designed for students interested in being on the Newspaper staff. Emphasis will be placed on specialized writing such as news, feature, sports and editorials. Spelling, grammar and basic style will be stressed. Students will be required to track local, national and international current events. This Class is the prerequisite for the Newspaper Class.
- 1714** **Photojournalism**
Grades: 9, 10, 11, 12 **1 credit**
Prerequisites: Students should have access to a digital camera
This course includes the study of the history of photography, camera tools and techniques, photo composition and journalistic photography. Students will learn beginning Adobe Photoshop.
- 1754** **Audio Video Production I, II**
1764 **Grades: 9, 10, 11, 12** **1 credit**
Prerequisites: Must be taken consecutively
This course includes a media overview studying journalistic styles, gathering news as well as writing news, feature stories, editorials, and headlines. In addition, students will gain a basic understanding of shot composition, lighting techniques, film making, editing, and script writing. In AV Production 2 students will be expected to publish their own video shorts, and news stories for competitions. In AV Production 3 students will create their own video production portfolio. AV Production 1 meets the Speech credit for House Bill 5.
- 1774** **Video Editing**
Grades: 12 **1 credit**
Prerequisites: Teacher recommendation
This course serves as the 4th year of Audio Video Production. In addition, students will become proficient in shot composition, lighting techniques, film making, editing, and script writing. Students will be expected to publish their own video shorts, and news stories for competitions. Student will create their own video production portfolio.
- 1784IB** **Film 1 IB**
Grades: 11 **1 credit**
Prerequisites: Teacher or Coordinator Approval
This course is the first year of a two-year program designed to meet the requirements of the IB Film syllabus. All students must commit to two years of Film class at MHS. Students will pursue a rigorous academic track studying the medium of Film from an artistic, historical, and technical standpoint. All students must complete the IB Film Exam at the end of the second year of the program.



1794IB	Film 2 IB Grades: 12 1 credit Prerequisites: IB Film I <i>This course is the second year of a two-year program designed to meet the requirements of the IB Film syllabus. Students will continue a rigorous academic track studying the medium of Film from an artistic, historical, and technical standpoint. All students must complete the IB Film Exam at the end of the class.</i>
1804 1814 1824	Newspaper 1, 2, 3 Grades: 9, 10, 11, 12 1 credit <i>Students will write and publish news stories, editorial stories, feature stories and headlines for the school newspaper. Students will become proficient at interviewing, meeting deadlines, writing, editing, and publishing an online newspaper. Spelling, grammar and basic style will be stressed. Students will be required to track local, national and international current events.</i>
1854 1864 1874 1884	Yearbook 1, 2, 3, 4 Grades: 9, 10, 11, 12 1 credit Prerequisites: Teacher approval <i>This course includes business management, financing, reporting, writing, photography, and layout to produce the school yearbook. Staff must be available for after school, evening, and weekend work to meet deadlines.</i>



Speech & Debate Courses

- 7044** **Debate 2, 3, 4**
7064 **Grades: 10, 11, 12** **1 credit**
7074 **Prerequisites: Teacher recommendation**
Students will expand their skills into reading and interpreting a variety of literary formats. They will explore the development of characters and learn to "cut" selections to a specific time requirement. Students will study specific formats and forums for debates and learn processes of logic and critical thinking. Competition is a requirement.
- 7054** **Debate 1**
Grades: 9, 10, 11 **1 credit**
Prerequisites: Teacher recommendation
Students will learn to read and interpret a variety of literary formats. They will explore the development of characters and learn to "cut" selections to a specific time requirement. Competition is a requirement. This course meets the Speech Requirement from HB5.
- 1012** **Lead Worthy**
Grades: 9 **0.5 credit**
An Introductory course designed as an activity-based personal development course for all students. This course meets the Speech Requirement from HB 5.
- 7022** **Professional Communication**
Grades: 9, 10, 11, 12 **0.5 credit**
This course will provide students with experiences in the preparation of a variety of presentations and reports, various communication experiences, including social, academic and occupational situations and communication experiences designed to enhance critical listening and evaluating skills. This course meets the Speech Requirement from HB5.



Physical Education & Athletics Courses

- 5112** **PE**
Grades: 9, 10, 11, 12 **1 credit**
PE is an activity base class that focuses on skiff development and game concept through participation in individual and team activities. This course provides an opportunity for students to acquire skiff related fitness through participation in individual and team sports. Students will be involved in a variety of sports that may include tennis, golf, handball, recreational games, table tennis, track and field, basketball, volleyball, softball, flag football, soccer, and weight training. Students must dress out and participate. If the student does not have their uniform, a loaner uniform will be provided by the PE teacher. Without participation, the student cannot pass the class. The state mandated Fitnessgram will also be included in this class.
- 5164** **Weight Training 1, 2, & 3**
5174 **Grades: 10, 11, 12** **1 credit**
5184 *Students will learn the fundamentals of resistance training including proper biomechanics and physiology. Topics covered will include toning, shaping, and bodybuilding, power lifting, and Olympic style lifting.*
- 5524.** **NJROTC 1, 2, 3, 4**
5534 **Grades: 9, 10, 11, 12** **1 credit**
5544
5554 *NJROTC is a citizenship and leadership program that instills service to the United States, personal responsibility, self-discipline, self-confidence, leadership skills and a sense of accomplishment in students. Naval Science curriculum includes instruction in government, national defense, wellness, maritime history, oceanography, meteorology, physical science and naval operations. Cadets are actively engaged in physical fitness and community service. After school competitive teams include: drill, air rifle, orienteering, academics and physical fitness. JROTC cadets are required to wear a uniform one day per week that is issued to them at no cost. Students do not incur any military obligation by participating in JROTC courses.*
- 5564** **Drill Team Officer**
Grades: 11, 12 **1 credit**
Prerequisites: Tryout & Teacher Recommendation
Students must have met eligibility requirements and selection is determined by tryouts and director approval.
- 5574** **Dance 1, 2, 3, 4**
5584 **Grades: 9, 10, 11, 12** **1 credit**
5594 *These courses stress all aspects of dance and can also count as Fine Arts credit*
5604
- 5614** **Drill Team 1, 2, 3, 4**
5624 **Grades: 9, 10, 11, 12** **1 credit**
5634 **Prerequisites: Tryout**



- 5644** *Students must have met eligibility requirements and selection is determined by tryouts and director approval. Drill Team is a precision performing group that provides students an opportunity to perform at a variety of venues. Drill team membership requires weekly after hours practice and rehearsals.*
-
- 5814** **Cheerleading 1, 2, 3, 4**
5824 **Grades: 9, 10, 11, 12** **1 credit**
5834 **Prerequisites: Director Approval**
5844 *Students participate in a variety of aerobic activities that promote physical activity and health throughout life. The class consists of conditioning activities, skill development in several cheerleading techniques, and specific preparation for game and competition performances.*
-
- 65204** **Football**
Grades: 9, 10, 11, 12 **1 credit**
Prerequisites: Coach Approval
-
- 65214** **Volleyball**
Grades: 9, 10, 11, 12 **1 credit**
Prerequisites: Coach Approval
-
- 65224** **Basketball-Girls**
Grades: 9, 10, 11, 12 **1 credit**
Prerequisites: Coach Approval
-
- 65234** **Basketball- Boys**
Grades: 9, 10, 11, 12 **1 credit**
Prerequisites: Coach Approval
-
- 65244** **Soccer Girls**
Grades: 9, 10, 11, 12 **1 credit**
Prerequisites: Coach Approval
-
- 65254** **Soccer Boys**
Grades: 9, 10, 11, 12 **1 credit**
Prerequisites: Coach Approval
-
- 65264** **Swim**
Grades: 9, 10, 11, 12 **1 credit**
Prerequisites: Coach Approval



This is a competition swimming class.

- 65274** **Swim/Dive**
Grades: 9, 10, 11, 12 1 credit
Prerequisites: Coach Approval
This is a competition swimming and diving class.
- 65284** **Golf**
Grades: 9, 10, 11, 12 1 credit
Prerequisites: Coach Approval
- 65294** **Tennis**
Grades: 9, 10, 11, 12 1 credit
Prerequisites: Coach Approval
- 65304** **Softball**
Grades: 9, 10, 11, 12 1 credit
Prerequisites: Coach Approval
- 65314** **Baseball**
Grades: 9, 10, 11, 12 1 credit
Prerequisites: Coach Approval
- 65324** **Cross Country**
Grades: 9, 10, 11, 12 1 credit
Prerequisites: Coach Approval
- 65334** **Athletic Training**
Grades: 9, 10, 11, 12 1 credit
Prerequisites: Tryouts & Teacher Recommendation
This is a sports medicine course designed to enhance the curriculum for students interested in a medical career path. Students are required to put in extra hours after school. Students must meet eligibility requirements and selection is determined by tryouts and director approval



Other Elective Courses

Prerequisites: a minimum of 21 credits at the beginning of the current school year and on the Foundation with Endorsement graduation plan.

1054 Student Leadership (Student Council)

Grades: 11, 12 **1 credit**

Prerequisites: Sponsor approval required

This course is designed to assist students in becoming involved in school, community and civic activities. Students must be an active member of the Student Council.

7914NH ACADEC 1, 2, 3, 4

7924NH Grades: 9, 10, 11, 12 **1 credit**

7934NH Prerequisites: Sponsor approval

7944NH *Academic Decathlon is a unique national scholastic competition designed for high school students in a broad scope of academic areas. It provides an opportunity for students to experience the challenges of rigorous academic competition through participation in ten academic areas. The purposes of the program are to encourage students to develop a greater respect for knowledge, to promote wholesome inter-school competition in academic areas of study and interest, to stimulate intellectual growth and achievement, and to encourage public interest and awareness of outstanding programs in our schools. No State Credit. This course satisfies the speech requirement for HB 5.*

9014 Office Aide

Grades: 12 **1 credit**

Students will receive experience in various campus offices. No State Credit; local credit only.

9064 Early Release 6th/7th period

9074 Grades: 12 **1 credit**

Prerequisites: a minimum of 21 credits at the beginning of the current school year and on the Foundation with Endorsement graduation plan.
No credit towards graduation will be earned.

9084 Late Arrival

Grades: 12 **1 credit**

No credit towards graduation will be earned.

Prerequisites: a minimum of 21 credits at the beginning of the current school year and on the Foundation with Endorsement graduation plan.



Other Course Selection Information

NCAA Eligibility for College Sports

Students who wish to participate in Division I and II college athletics should register during their junior year with NCAA Initial Eligibility Clearinghouse. Students must submit the Student Release form, a final high school transcript, and ACT or SAT scores. Students should download a release form and submit to the registrar's office so the transcript and test scores may be sent. See your counselor for more information or go to the website:

www.eligibilitycenter.org

The University Corner/College and Career Zone

The University Corner/College and Career Zone provides resources for students and parents to research careers, colleges, universities, technical schools, specialty schools, military branches, scholarships and financial aid information. The University Corner and the College and Career Zone have a program called Family Connections and every student has an account created for them. Students may log in to add community service hours and request transcripts. It is possible to set up parent accounts if the campus has access to a valid email for the parent.

www.magnoliaisd.org/theu

http://mwhs.magnoliaisd.org/apps/pages/index.jsp?uREC_ID=426262&type=u&pREC_ID=602131

Working/Training during School

Students may be involved in school-to-career training by participating in Career/Technical (CTE) cooperative or internship training. The primary purpose of these programs is to provide classroom instruction combined with training at an approved training site (local business). These on-the-job training programs are open only to juniors and seniors. Students in CTE cooperative programs are required to work a minimum of 15 hours per week. Students sent to DAEP may lose the privilege of being in cooperative training. Failure to follow the requirements of the cooperative program will result in dismissal from the program at the end of the semester.

Special Education

For students who receive services through the Special Education Department, there are a variety of options discussed in the Annual Review and Dismissal Meeting (ARD). Placement and services for students served through Special Education are determined by the ARD Committee. A student's graduation plan, developed by the ARD/IEP Committee, determines how the student will meet credit and curriculum requirements of the state and district for graduation.

Did You Know

- *The highest ranking graduate at each Texas public high school receives a certificate from the Texas Education Agency which can be used as a scholarship to cover tuition costs at any Texas public college?*
- *Students ranked in the top 10 percent of their graduating class from an accredited public or private Texas high school are eligible for automatic admission to most Texas public universities?*



- *Students can earn college credit while still in high school by taking Advanced Placement or IB courses and passing the corresponding tests or by enrolling in and passing dual courses?*
- *A college graduate will have average lifetime earnings twice that of a high school graduate?*

.....**IMPORTANT NOTICE**.....

Students should review their course selection sheets and request any changes ***in writing*** before the designated time (the deadline will be announced to students when they receive their schedule for the upcoming year). If you do not turn in a schedule request or a schedule change form, the counselor will place you in the classes that are available ***after*** all other students have been scheduled.



International Baccalaureate® (IB) Diploma Program (DP)

The International Baccalaureate® (IB) Diploma Program (DP) provides comprehensive rigorous education with an international perspective. The IB Diploma program is designed as academically challenging--emphasizing analytical thinking, reading and writing skills--and balanced program with final assessments that prepare students for success in college and life beyond. The diploma program is a two-year program for juniors and seniors. Students may choose to pursue the IB diploma or take individual certificates in IB courses. College credit may also be earned depending on the subject results and the individual university acceptance policies. The IB Diploma Program:

- Balances subject breadth and depth and considers the nature of knowledge across disciplines through the unique theory of knowledge course,
- Encourages international-mindedness starting with a foundation in the students' own language and culture,
- Develops a positive attitude to learning that prepares students for university education,
- Requires rigorous external assessments with global standards, and
- Emphasizes the development of the whole student – physically, emotionally, intellectually, and ethically.

Diploma Program Requirements

Diploma Graduates are required to complete course work in each of the six groups—three Higher Level (**HL**) (2-year courses) and three Standard Level (**SL**) (2-year courses, but a limited few are available for a 1 year course of study)—during their Junior and Senior years followed by each course's examination in May. The six areas of study are:

- **Group 1**—Studies in Language and Literature
- **Group 2**—Language Acquisition
- **Group 3**—Individuals and Societies
- **Group 4**—Sciences
- **Group 5**—Mathematics
- **Group 6**—The Arts (Can be substituted by a 2nd course from groups 1-5)

In addition to these requirements, students must complete the **extended essay**, Theory of Knowledge (**TOK**), and Creativity Action and Service (**CAS**).

- **Extended Essay**--Every diploma candidate is required to write a maximum 4000-word essay on a topic of their choice. This academic experience prepares a student to be able to conduct independent research, a skill highly prized in university.
- **Theory of Knowledge (TOK)**--This requirement is a course taken during the spring of the candidates' junior year and the fall of their senior year. The course challenges students to investigate sources of knowledge (ways of knowing) and how it relates to the larger world (areas of knowledge). It is in effect a course on thought and student's relationship to it. **TOK** is a course about critical thinking and inquiring into the process of knowing, rather than about learning a specific body of knowledge.
- **Creativity, Activity, and Service (CAS)**--**CAS** is at the heart of the Diploma Program. **CAS** enables students to enhance their personal and interpersonal development through experiential learning. At the same time, it provides an important counterbalance to the academic pressures of the rest of the Diploma Program. The three strands of CAS, which are often interwoven with particular activities, are characterized as follows:
 - **Creativity**--arts, and other experiences that involve creative thinking.
 - **Activity**--physical exertion contributing to a healthy lifestyle, complementing academic work elsewhere in the Diploma Program.
 - **Service**--an unpaid and voluntary exchange that has a learning benefit for the student. The rights, dignity and autonomy of all those involved are respected.

For more information, please contact the IB Coordinator at either High School.

Course Name	Credits	Grade Levels	Recommended/Required Prerequisites
GROUP 1			
IB English HL	2	11 and 12	English II
GROUP 2			
IB Spanish Ab initio	2	11 and 12	No Spanish or Spanish I
IB Spanish SL	1	11 or 12	Advanced Spanish 3
IB Spanish HL	2	11 and 12	IB Spanish 4
GROUP 3			
IB Economics SL	1	12	None
IB History HL	2	11 and 12	None
IB Philosophy SL	1	11 or 12	None
IB Philosophy HL	2	11 and 12	IB Philosophy year 1
IB Psychology SL	1	11 or 12	None
IB Psychology HL	2	11 and 12	IB Psychology year 1
GROUP 4			
IB Biology SL	1	11 or 12	Biology, Chemistry
IB Biology HL	2	11 and 12	IB Biology year 1
IB Chemistry SL	1	11 or 12	Biology, Chemistry, Algebra 2 (may take concurrently)
IB Chemistry HL	2	11 and 12	IB Chemistry year 1
IB Environmental Systems and Societies	1	11 or 12	Biology, Chemistry, Algebra 1
IB Physics SL 1	1	11	Biology, Chemistry, Algebra 2
IB Physics SL 2	1	12	IB Physics year 1
GROUP 5			
IB Math: Application & Interpretation SL	1	11 and 12	Algebra 2
IB Math: Application & Interpretation HL	2	11 and 12	Algebra 2
IB Math: Analysis & Approaches SL	2	11 and 12	Algebra 2
GROUP 6			
IB Film SL	1	11 and 12	IB Coordinator/Teacher Approval
IB Film HL	2	11 and 12	IB Film year 1
IB Visual Arts SL	1	11 and 12	IB Coordinator/Teacher Approval
IB Visual Arts HL	2	11 and 12	IB Visual Art year 1

For more information, please contact the IB Coordinator at either High School.





MAGNOLIA
INDEPENDENT SCHOOL DISTRICT

Career & Technical Education



HEALTH SCIENCE



CAREER CLUSTER

Health Science

ENDORSEMENT

Public Service

PROGRAM OF STUDY

Healthcare Therapeutic

Certified Nurse Assistant

Emergency Medical Technician

PROGRAM OF STUDY Healthcare Therapeutic



CAREER CLUSTER

Health Science

PROGRAM OF STUDY

Healthcare Therapeutic

ENDORSEMENT

Public Service

COURSES

LEVEL 1

Principles of Health Science (Local Speech Credit & Local Health Credit)

1.0 Credit

LEVEL 2

Medical Terminology

1.0 Credit

LEVEL 3

Anatomy & Physiology (Recommended)

1.0 Credit

LEVEL 4

Practicum in Health Science

2.0 Credits

Certifications:

CNA (Certified Nurse Assistant)
EMT (Emergency Medical Technician)

Certifying Entity:

Texas Health and Human Services

- 5914** **Principles of Health Science**
Grades: 9, 10, 11, 12 **1 credit**
This course is designed for students interested in medical and associated health careers. It gives an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, client care, safety, first aid, and CPR. This course meets the Health Requirement for graduation.
- 591204** **Medical Terminology**
Grades: 9, 10, 11, 12 **1 credit**
This course allows students to develop a working knowledge of the language of medicine by introducing them to the structure of medical terms including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. Comprehending this terminology will not only be beneficial in understanding other science and health science related courses taken in high school, but will also enhance their ability to secure employment or pursue further education in this industry.
- 3654** **Anatomy/Physiology**
Grades: 10, 11, 12 **1 credit**
Prerequisites: Biology, Chemistry or IPC
Anatomy and Physiology is an upper level course that surveys the structures and functions of the human body while integrating the physics and chemistry concepts found in the body systems. The student will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy processes.
- 5934** **Practicum in Health Science 1 CNA (Certified Nursing Assistant)**
Grades: 11, 12 **2 credits**
Prerequisites: Principles of Health Science, Medical Terminology
Class held at MWHS during 6th and 7th periods. While earlier courses in health science provide students with an overview of the industry, this course allows students to select and pursue a specialization. Students will have the opportunity to gain knowledge and develop advanced clinical skills needed for specific certification as a Certified Nursing Assistant (CNA). Because spaces are limited, an application process is required. This class will include labs in the classroom as well as clinical internship, and completion of the clinical and written CNA exam. Students will be required to purchase a uniform, stethoscope, and watch for the course.
- 5944** **Practicum in Health Science II – Emergency Medical Technician**
Grades: 12 **2 credits**
Prerequisites: Principles of Health Science and Medical Terminology, or Anatomy
Class held at MHS during 6th and 7th periods. While earlier courses in health science provide students with an overview of the industry, this course allows students to select and pursue a specialization. Students will have the opportunity to gain knowledge and develop advanced clinical skills needed for a specific

certification or licensure as an Emergency Medical Technician. Because space is limited, an application process is required. This class will include labs in the classroom, clinical internships in the Emergency Room and on the ambulance, and taking the National Registry Exam. Students will be required to purchase a uniform for the course.

TRANSPORTATION, DISTRIBUTION & LOGISTICS



Transportation,
Distribution
& Logistics

CAREER CLUSTER

Transportation, Distribution & Logistics

ENDORSEMENT

Business/Industry

PROGRAM OF STUDY

Automotive

PROGRAM OF STUDY

Automotive



Transportation,
Distribution
& Logistics

CAREER CLUSTER

Transportation, Distribution & Logistics

PROGRAM OF STUDY

Automotive

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Small Engine Technology

1.0 Credit

LEVEL 2

Automotive Basics

1.0 Credits

LEVEL 3

Automotive Technology I

2.0 Credits

Certifications:

ASE

Certifying Entity:

Automotive Service Excellence
Exam Name: Various ASE Exams



8744

Small Engine Technology

Grades: 11, 12 1 credit

Small Engine Technology I includes knowledge of the function and maintenance of the systems and components of all types of small engines. This course is designed to provide training for employment in the small engine technology industry. Instruction includes the repair and service of cooling, air, fuel, lubricating, electrical, ignition, and mechanical systems. In addition, the students will receive instruction in safety, academic, and leadership skills as well as career opportunities.

8734

Automotive Basics

Grades: 11, 12 1 credit

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.

8754

Automotive Technology I – Maintenance and Light Repair

Grades: 11, 12 2 credits

A pre-employment lab course which includes use of repair manuals, service, and repair of basic systems of an automobile: fuel, engine, emission control, power train, chassis, electrical, brakes, heating, and air conditioning. Safety, careers, and Skills USA are included. Class held at Magnolia West High School. Require \$30 Auto Teach fee and option \$20 work shirt.

HUMAN SERVICES



Human
Services

CAREER CLUSTER

Human Services

ENDORSEMENT

Public Service

REGIONAL PROGRAM OF STUDY

Cosmetology

PROGRAM OF STUDY

Cosmetology



Human
Service

CAREER CLUSTER

Human Service

REGIONAL PROGRAM OF STUDY

Cosmetology

ENDORSEMENT

Public Service

COURSES

LEVEL 2

Introduction to Cosmetology

1.0 Credit

LEVEL 3

Cosmetology I

2.0 Credit

LEVEL 4

Cosmetology II

3.0 Credit

Certifications:

Cosmetology Operator License

Certifying Entity:

Texas Department of Licensing and Regulation
Exam Name: Cosmetology Operator License Examination
through PSI Services

8644

Introduction to Cosmetology

Grades: 10 **1 credit**

Prerequisites: Committee Review

This is the first course in a pre-employment laboratory instructional sequence designed to provide job specific training for entry-level employment in cosmetology careers. Instruction includes sterilization and sanitation processes, shampooing and rinsing hair, application of conditioning cream and color rinses, etc. Meets the Cosmetology Commission requirements for licensure upon passing the state exam ■ fee is required. This course meets speech requirement from HB5.

8654

Cosmetology I

Grades: 11 **2 credits**

Prerequisites: Committee Review — Introduction to Cosmetology

This is the second course in a pre-employment laboratory instructional sequence designed to provide job specific training for entry-level employment in cosmetology careers. Instruction includes sterilization and sanitation processes, shampooing and rinsing hair, application of conditioning cream and color rinses, etc. Meets the Cosmetology Commission requirements for licensure upon passing the state exam - fee is required.

8624

Cosmetology II with lab

Grades: 12 **3 credits**

Prerequisites: Cosmetology I

This is the third and final course in a pre-employment laboratory instructional sequence designed to provide job specific training for entry-level employment in cosmetology careers. Instruction includes advanced training in sterilization and sanitation processes, shampooing and rinsing hair, application of conditioning cream and color rinses, etc. Meets the Cosmetology Commission requirements for licensure upon passing the state exam - fee is required.

HOSPITALITY & TOURISM



CAREER CLUSTER

Hospitality & Tourism

ENDORSEMENT

Business/Industry

PROGRAM OF STUDY

Culinary Arts

PROGRAM OF STUDY

Culinary Arts



CAREER CLUSTER

Hospitality and Tourism

PROGRAM OF STUDY

Culinary Arts

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Introduction to Culinary Arts

1.0 Credit

LEVEL 2

Culinary Arts

2.0 Credit

LEVEL 3

Advanced Culinary Arts

2.0 Credit

LEVEL 4

Food Science

1.0 Credit

Certifications:

Certifying Entity:

- 82644** **Introduction to Culinary Arts**
Grades: 9, 10, 11, 12 **1 credit**
Focuses on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers. This course meets speech requirements from HB5.
- 8284** **Culinary Arts**
Grades: 10, 11, 12 **2 credits .**
Prerequisites: Intro. To Culinary Arts and Committee Review
The Commercial Food Service program is designed to provide students with a CTE education, which prepares them for gainful employment in jobs requiring semi-skilled knowledge and training. Students are trainee in the following areas of employment: baker, chef, salad maker, fry cook, waiter/waitress, bus person, cashier, and host/hostess. Students also have an opportunity to participate in FCCLA activities.
- 8294** **Advanced Culinary Arts**
Grades: 11, 12 **2 credits**
Prerequisites: Culinary Arts and Committee Review
Advanced Commercial Food Service program will be studied.
- 8124** **Food Science**
Grades: 11, 12 **1 credit**
Prerequisites: 3 credits of Science
Can count as science credit. This laboratory course provides in-depth study of the significance of nutrition in food science. It addresses the knowledge and skills needed to study food science, processing, marketing, and technology involved in food/nutrition. The opportunities in food and nutrition occupational areas are explored as well as the concepts and skills related to managing the dual roles of homemaker and wage earner.

AGRICULTURE, FOOD & NATURAL RESOURCES



CAREER CLUSTER

Agriculture, Food, and Natural Resources

ENDORSEMENT

Business/Industry

PROGRAMS OF STUDY

Animal Science
Applied Agricultural Engineering
Plant Science

PROGRAM OF STUDY

Animal Science

**CAREER CLUSTER**

Agriculture, Food, and Natural Resources

PROGRAM OF STUDY

Animal Science

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Ag, Food & Natural Resources (Local Speech Credit)

1.0 Credit**LEVEL 2**

Small Animal Management

1.0 Credit**AND/OR** Equine Science**0.5 Credit****LEVEL 3**

Livestock Production

1.0 Credit**LEVEL 4**

Veterinary Medical Applications

1.0 Credit**AND/OR** Practicum in Agriculture, Food, and Natural Resources**2.0 Credit**

Certifications:

Certified Veterinary Assistant
Elanco Fundamentals of Animal Science
Elanco VetMed Applications

Certifying Entity:

Texas Veterinary Medical Association
Exam Name: Certified Veterinary Assistant Level 1

- 8404** **Principles of Ag Food & Natural Resources**
Grades: 9, 10, 11, 12 **1 credit**
A comprehensive basic course designed to introduce beginning students to agriculture around the globe. The course includes agricultural career development, leadership, and communication. Prepare students to have opportunities to learn, reinforce, experience, apply and transfer their knowledge and skills in a variety of settings. This course meets the Speech Requirement from HB .
- 843204** **Livestock Production**
Grades: 10, 11, 12 **1 credit**
Prepare for careers in the field of animal science, students need to attain 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.
- 8522** **Small Animal Management**
Grades: 10, 11, 12 **0.5 credit**
To be prepare 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 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.
- 8502** **Equine Science**
Grades: 10, 11, 12 **0.5 credit**
The student will learn employability characteristics in the field of equine science. The student will analyze equine science and know the nutritional requirements of horses.
- 8464** **Vet Med Applications**
Grades: 11, 12 **1 credit**
Prerequisites: Principles of Agriculture, Food, and Natural Resources AND 1 of the following classes: Equine Science, Small Animal Management, Livestock Production OR Committee Review
This course will prepare students with the skills necessary for entry-level positions as a Level I Certified Veterinarian Medical Assistant. Students have the opportunity to develop technical skills in health, nutrition, examination, diseases, sanitation and regulatory programs of small animals. Students will learn basic animal anatomy, disease transmission, treatment techniques, lab procedures, emergency procedures, client interaction and clinical operations.

8514

Adv. Animal Science

Grades: 12

1 credit

Prerequisites: Biology and Chem. or IPC AND Alg. 1 and Geometry AND 1 of the following classes: 1 of the following classes: Equine Science, Small Animal or Livestock Production

Advanced study and understanding of the field of animal science. This course can count as a science credit.

8244

Practicum in Agriculture, Food & Natural Resource

Grades: 12

2 credit

Prerequisites: Vet Med Applications

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

PROGRAM OF STUDY

Applied Agrigultural Engineering

**CAREER CLUSTER**

Agriculture, Food, and Natural Resources

PROGRAM OF STUDY

Applied Agrigultural Engineering

ENDORSEMENT

Business/Industry

COURSES**LEVEL 1**

Principles of Ag, Food & Natural Resources (Local Speech Credit)

1.0 Credit**LEVEL 2**

Agricultural Mechanics / Introduction to Welding

1.0 Credit**LEVEL 3**

Agricultural Structures & Design / Welding I

1.0 Credit**LEVEL 4**

Agricultural Equipment & Design / Welding II

2.0 Credit

Certifications:

AWS Welding

Certifying Entity:

American Welding Society
Exam Name: Certified Welder

8404

Principles of Ag Food & Natural Resources

Grades: 9, 10, 11, 12

1 credit

A comprehensive basic course designed to introduce beginning students to agriculture around the globe. The course includes agricultural career development, leadership, and communication. Prepare students to have opportunities to learn, reinforce, experience, apply and transfer their knowledge and skills in a variety of settings. This course meets the Speech Requirement from HB .

8424

Agricultural Mechanics/Introduction to Welding

Grades: 10, 11, 12

1 credit

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.

8444

Agricultural Structures & Design/Welding 1

Grades: 11, 12

1 credit

Prerequisites: Agricultural Mechanics/Intro to Welding

To be prepared for careers in mechanized agriculture and welding, students attain knowledge and skills related to agricultural facilities design and fabrication. Students explore career opportunities, entry requirements, and industry expectations. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

8454

Agricultural Equipment & Design/Welding 2

Grades: 12

2 credits

Prerequisites: Agricultural Mechanics/Intro to Welding and Agricultural Structures/Welding 1 and Committee Review

Welding II builds on knowledge and skills developed in Welding. 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. At the end of this course, the students have an opportunity to receive an entry Level I welding certification.

PROGRAM OF STUDY

Plant Science

**CAREER CLUSTER**

Agriculture, Food, and Natural Resources

PROGRAM OF STUDY

Plant Science

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Ag, Food & Natural Resources (Local Speech Credit)

1.0 Credit**LEVEL 2**

Floral Design

1.0 Credit**LEVEL 3**

Advanced Floral Design

1.0 Credit**LEVEL 4**

Advanced Plant & Soil Science

1.0 Credit

Certifications:

Texas State Floral Association Level One Floral Certification
Texas State Floral Association Level Two Floral Certification
BASF Plant Science Certification

Certifying Entity:

Texas State Florists' Association

8404

Principles of Ag Food & Natural Resources

Grades: 9, 10, 11, 12 1 credit

A comprehensive basic course designed to introduce beginning students to agriculture around the globe. The course includes agricultural career development, leadership, and communication. Prepare students to have opportunities to learn, reinforce, experience, apply and transfer their knowledge and skills in a variety of settings. This course meets the Speech Requirement from HB .

8474

Floral Design

Grades: 10, 11, 12 1 credit

Prerequisite: Principles of Agriculture, Food, and Natural Resources

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 is an activity-based course which prepares students to develop competencies in flower classification and identification, geometric and specialized floral designs, identification and classification of plants. May count as Fine Arts (1.0) credit required for graduation. This course provides instruction and training necessary for the Texas State Florist's Certification.

861404

Advanced Floral Design

Grades: 11, 12 1 credit

Prerequisites: Floral Design, passed Level 1 TSFA Certification or Committee Review

In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning.

8484

Advanced Plant and Soil Science

Grades: 12 1 credit

Prerequisites or corequisite: Advanced Floral, and taken the Level Two TSFA certification OR Committee Review

This course continues the path regarding the floral industry. This course can count as a science credit Students can earn certification in Horticulture and Floral Design.

ARCHITECTURE & CONSTRUCTION

Architecture &



Construction

CAREER CLUSTER

Architecture & Construction

ENDORSEMENT

Business/Industry

PROGRAMS OF STUDY

Architectural Design
HVAC and Sheet Metal

PROGRAM OF STUDY

Architectural Design

Architecture &



Construction

CAREER CLUSTER

Architecture & Construction

PROGRAM OF STUDY

Architectural Design

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Architecture (Local Speech Credit)

1.0 Credit**LEVEL 2**

Architecture Design I

1.0 Credit

Interior Design

1.0 Credit**LEVEL 3**

Architecture Design II

2.0 Credit

Certifications:

Autodesk User,
Autodesk User in Revit Architecture

Certifying Entity:

Autodesk
Exam Name: Autodesk Certified User

- 838404** **Principles of Architecture**
Grades: 9, 10, 11, 12 **1 credit**
Students will be given a background on the history of drafting. Students will use hand drafting tools to develop designs of buildings to include an end of semester Single unit development design. This course meets the Speech Requirement for HB 5.
- 8394** **Architecture Design 1**
Grades: 10, 11, 12 **1 credit**
Prerequisite: Principles of Architecture, Algebra I and English I or Committee Review
In Architectural Design, students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Architectural design includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for non-residential or residential architectural purposes.
- 8164** **Interior Design**
Grades: 10, 11, 12 **1 credit**
Students will explore the concepts and skills needed to successfully decorate a home and/or business. Topics covered include styles of houses, ways to decorate, lighting, use of design, planning of space and careers available within this area. Students receive leadership training through FCCLA activities.
- 8434** **Architecture Design 2**
Grades: 11, 12 **2 credits**
Prerequisite: Architecture Design 1
In Advanced Architectural Design 2, students are exposed to deeper and more complex architectural concepts. Students who successfully complete this course will be adequately prepared for corresponding certification tests.

PROGRAM OF STUDY

HVAC and Sheet Metal

Architecture &



Construction

CAREER CLUSTER

Architecture & Construction

PROGRAM OF STUDY

HVAC and Sheet Metal

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Construction (Local Speech Credit)

1.0 Credit

Certifications:

Certifying Entity:

8384

Principles of Construction

Grades: 9, 10

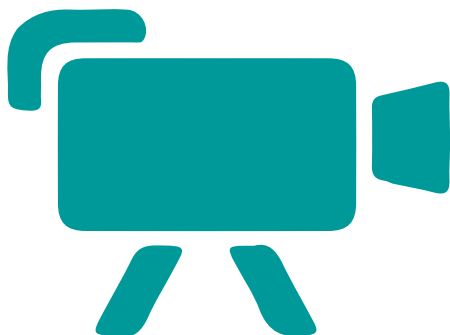
1 credit

Principles of Construction is intended to provide an introduction and lay a solid foundation for those students entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction considerations, limiting course enrollment to 15 students is recommended. This course also provides communication and occupation skills to assist the student in obtaining and maintaining employment. This course meets the speech requirement for HB 5.

Magnolia ISD will be recommending that this Level 1 course satisfy a speech credit.

ARTS, A/V TECH & COMMUNICATIONS

Arts, A/V Tech



Communication

CAREER CLUSTER

Arts, A/V Tech & Communication

ENDORSEMENT

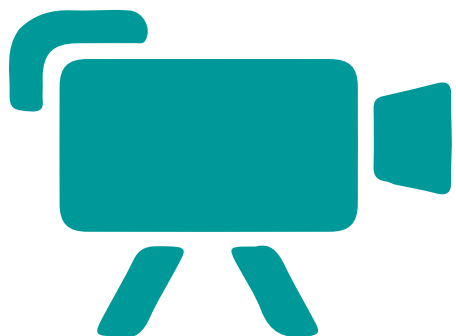
Business/Industry

PROGRAM OF STUDY

Digital Communications
Graphic Design & Multimedia Arts

PROGRAM OF STUDY Digital Communications

Arts, A/V Tech



Communication

CAREER CLUSTER

Arts, A/V Tech & Communications

PROGRAM OF STUDY

Digital Communications

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Art, A/V Technology & Communications (Local Speech Credit) **1.0 Credit**

LEVEL 2

Audio/Video Production I **1.0 Credit**

LEVEL 3

Audio/Video Production II/with lab **2.0 Credit**

LEVEL 4

Practicum in Audio/Video Production **2.0 Credit**

Certifications:

Adobe Premier Pro

Certifying Entity:

Adobe
Exam Name: Adobe Certified Associate: Premier Pro

- 1744** **Principles of Art, A/V Technology and Communications**
Grades: 9, 10, 11, 12 **1 credit**
The goal of this course is for the student to understand art, audio/video technology, and communications systems. 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. This course meets the Speech Requirement for HB 5.
- 1754** **Audio/Video Production I**
Grades: 10, 11, 12 **1 credit**
Prerequisite: Principles of Art, A/V Technology & Communications or Committee Review
This course includes a media overview studying journalistic styles, gathering news as well as writing news, feature stories, editorials, and headlines. In addition, students will gain a basic understanding of shot composition, lighting techniques, film making, editing, and script writing. In AV Production 2 students will be expected to publish their own video shorts, and news stories for competitions.
- 1764** **Audio/Video Production II**
Grades: 11, 12 **1 credit**
Prerequisites: AV Productions I
This course includes a media overview studying journalistic styles, gathering news as well as writing news, feature stories, editorials, and headlines. In addition, students will gain a basic understanding of shot composition, lighting techniques, film making, editing, and script writing.
- 1784** **Practicum in A/V Production**
Grades: 12 **2 credits**
Prerequisites: AV Productions II
Building upon the concepts taught in Audio/Video Production II, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

PROGRAM OF STUDY

Graphic Design & Multimedia Arts

Arts, A/V Tech



Communication

CAREER CLUSTER

Arts, A/V Tech & Communications

PROGRAM OF STUDY

Graphic Design & Multimedia Arts

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Art, A/V Technology & Communications (Local Speech Credit) **1.0 Credit**

LEVEL 2

Fashion Design **1.0 Credit**

LEVEL 3

Fashion Design II w/lab **2.0 Credit**

Certifications:

Adobe Premier Pro

Certifying Entity:

Adobe
Exam Name: Adobe Certified Associate: Premier Pro

1744

Principles of Art, A/V Technology and Communications

Grades: 9, 10, 11, 12 1 credit

The goal of this course is for the student to understand art, audio/video technology, and communications systems. 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. This course meets the Speech Requirement for HB 5.

8144

Fashion Design I

Grades: 10, 11, 12 1 credit

Careers in fashion span all aspects of the textile and apparel industries. Within this context, students will be expected to develop an understanding of fashion and the textile and apparel industries. Students enrolled in this class will design, develop, and construct apparel and related products, while learning about design, product development, apparel construction, fashion sketching, textiles, pattern making, and draping.

814444

Fashion Design II w/lab

Grades: 11, 12 2 credits

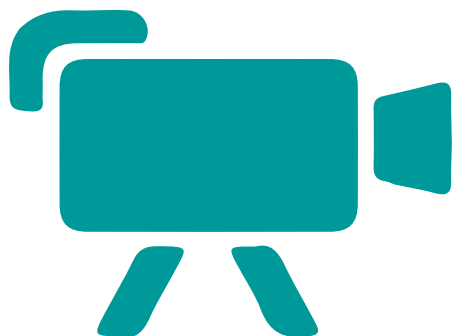
Prerequisites: Fashion Design I

Careers in fashion span all aspects of the textile and apparel industries. Within this context, students will be expected to develop an understanding of fashion and the textile and apparel industries. Students enrolled in this class will learn the Fashion Industry aspects, laws of fashion, ethics in business, and garment encyclopedias. A portfolio will be constructed from a business design standpoint. A target audience will be determined with an original design collection, apparel construction, fashion sketching, textiles, and pattern making.

PROGRAM OF STUDY

Graphic Design & Multimedia Arts

Arts, A/V Tech



Communication

CAREER CLUSTER

Arts, A/V Tech & Communications

PROGRAM OF STUDY

Graphic Design & Multimedia Arts

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Video Game Design

1.0 Credit

LEVEL 2

Animation I

1.0 Credit

LEVEL 3

Animation II w/lab

2.0 Credit

Certifications:

Adobe Premier Pro

Certifying Entity:

Adobe

Exam Name: Adobe Certified Associate: Premier Pro

- 8604** **Video Game Design**
Grades: 10, 11, 12 **1 credit**
Students will be provided the opportunity to design, program, and create a functional video game.
- 6104** **Animation**
Grades: 11, 12 **1 credit**
Students are introduced to the history, development and direction of the animation industry. The principles of animation are studied and implemented in each successive project. Students will use various software to develop projects.
- 61144** **Animation II w/lab**
Grades: 12 **2 credits**
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. Districts are encouraged to offer this lab in a consecutive block with Animation II to allow students sufficient time to master the content of both courses.

EDUCATION & TRAINING



Education &
Training

CAREER CLUSTER

Education & Training

ENDORSEMENT

Public Service

PROGRAM OF STUDY

Teaching & Training

PROGRAM OF STUDY

Teaching & Training



Education &
Training

CAREER CLUSTER

Education & Training

PROGRAM OF STUDY

Teaching & Training

ENDORSEMENT

Public Service

COURSES

LEVEL 1

Principles of Human Services (Local Speech Credit)

1.0 Credit

LEVEL 2

Child Development

1.0 Credit

LEVEL 3

Instructional Practice in Education & Training

2.0 Credits

LEVEL 4

Practicum in Education & Training

2.0 Credits

Certifications:

Educational Aide I

Certifying Entity:

Texas Education Agency



810204

Prin. of Human Services

Grades: 9, 10, 11, 12 1 credit

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. This course meets the Speech Requirement from HB5.

8184

Child Development

Grades: 10, 11, 12 1 credit

Child development is a laboratory course that provides content for students to acquire knowledge and skills related to the development and care of children. The content begins with the impact of parenting on the individual(s). It develops concepts related to prenatal and postnatal care, and the development of children. Students have an opportunity to participate in FCCLA leadership activities.

8214

Instructional Practices in Education and Training

Grades: 11, 12 2 credits

Prerequisites: Child development

Instructional Practices is a field-based (practicum) internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices.

8224

Practicum in Education and Training

Grades: 12 2 credits

Prerequisites: Instructional Practices in Education & Training

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices.

BUSINESS, MARKETING & FINANCE



Business &

Marketing

CAREER CLUSTER

Business, Marketing & Finance

ENDORSEMENT

Business/Industry

PROGRAM OF STUDY

Business Management
Marketing & Sales

PROGRAM OF STUDY**Business Management****CAREER CLUSTER**

Business, Marketing & Finance

PROGRAM OF STUDY

Business Management

ENDORSEMENT

Business/Industry

COURSES**LEVEL 1**

Principles of Business, Marketing & Finance (Local Speech Credit)

1.0 Credit**LEVEL 2**

Virtual Business

0.5 Credit**LEVEL 3**Business Management
Global Business**1.0 Credit**
0.5 Credit**LEVEL 4**

Practicum in Business Management

2.0 Credits

Certifications:

Quickbooks
Microsoft Excel, Word, Access, Powerpoint

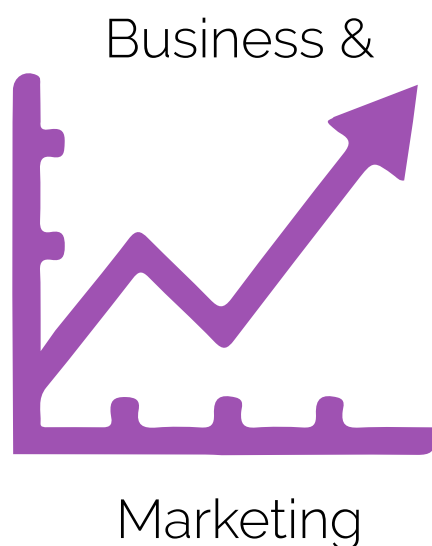
Certifying Entity:

Intuit & Microsoft

- 6084** **Principles, of Business, Marketing, and Finance**
Grades: 9, 10, 11, 12 **1 credit**
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. This course meets the Speech Requirement from HB5.
- 6062** **Global Business**
Grades: 10, 11, 12 **0.5 credit**
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.
- 6042** **Virtual Business**
Grades: 10, 11, 12 **0.5 credit**
Virtual Business will give students an opportunity to incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, and ethical dimensions of business to create a successful virtual business. Students assess their skills, interests and strengths to determine their suitability for working in the virtual world. They will work on team projects that will give them real-world experiences.
- 8974** **Practicum in Business Management**
Grades: 11, 12 **2 credits**
Prerequisites: Business Management, Global Business, and Virtual Business
Practicum Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practical experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience.
- 6044** **Business Management**
Grades: 10, 11, 12 **1 credit**
Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management including planning organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills.

PROGRAM OF STUDY

Marketing & Sales



CAREER CLUSTER

Business, Marketing & Finance

PROGRAM OF STUDY

Marketing & Sales

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Business, Marketing & Finance (Local Speech Credit)

1.0 Credit

LEVEL 2

Fashion Marketing

.5 Credit

Sports & Entertainment Marketing

.5 Credit

Virtual Business

.5 Credit

LEVEL 3

Social Media Marketing

.5 Credit

LEVEL 4

Practicum in Marketing

2.0 Credits

Certifications:

Google Office Suite Pro
Microsoft Office Specialist
Microsoft Expert - Excel

Certifying Entity:

Google & Microsoft

- 6084** **Principles, of Business. Marketing, and Finance**
Grades: 9, 10, 11, 12 **1 credit**
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. This course meets the Speech Requirement from HB5.
- 2862** **Sports & Entertainment Marketing**
Grades: 10, 11, 12 **1 credit**
This course introduces students to the fundamentals of marketing in the sports and entertainment industries. Students will explore product branding, licensing, sponsorships, pricing, placement, promotion, event marketing, advertising, and implementation of sports and entertainment marketing plans. Students will evaluate and use information resources to accomplish specific tasks and will deliver presentations using appropriate media to engage and inform audiences.
- 6052** **Fashion Marketing**
Grades: 10, 11, 12 **0.5 credit**
This laboratory course covers concepts and ski/lis related to fabrics and sewing construction. Some sewing ski/lis would benefit student progress. Areas of study include history of fashion, wardrobe planning, fashion design, clothing construction, fabric selection, fitting and alteration. Students have an opportunity to participate in FCCLA leadership activities.
- 6042** **Virtual Business**
Grades: 10, 11, 12 **0.5 credit**
Virtual Business will give students an opportunity to incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, and ethical dimensions of business to create a successful virtual business. Students assess their skills, interests and strengths to determine their suitability for working in the virtual world. They will work on team projects that will give them real-world experiences.
- 6242** **Social Media Marketing**
Grades: 9, 10, 11, 12 **0.5 credit**
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.
- 8964** **Practicum in Marketing**
Grades: 12 **2 credits**
Through course required employment, students gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to create the

marketing mix. This course covers technology, communication, and customer-service skills. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practical experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical education courses in marketing education. Students participate in leadership and career development activities. Students are encouraged to participate in DECA, a co-curricular youth organization for Marketing, Management and Entrepreneurship. This course may include paid or unpaid career preparation experience.



CTE Electives

- 4434** **Computer Science I**
Grades: 9, 10, 11, 12 **1 credit**
Prerequisites: Algebra 1
Provides students with an opportunity to master programming language concepts, to understand computer architecture, and to apply problem solving skills to a variety of applications by designing and implementing appropriate solutions that are well-structured, efficient and modular in nature.
- 4444** **Computer Science I Advanced**
Grades: 10, 11, 12 **1 credit**
Prerequisites: Algebra 1
Provides students with an opportunity to master high-level programming language concepts, to understand computer architecture, and to apply problem solving skills to a variety of applications by designing and implementing appropriate solutions that are well-structured, efficient and modular in nature. Will learn to use the current AP and UIL programming.
- 3664** **Forensic Science**
Grades: 11, 12 **1 credit**
Prerequisites: Biology and Chemistry
Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science.
- 8494** **Wildlife, Fisheries & Ecology Mgt.**
Grades: 10, 11, 12 **1 credit**
This course examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices.
- 6024** **Money Matters**
Grades: 9, 10, 11, 12 **1 credit**
Students will investigate money management from a personal financial perspective. 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 allocation, risk management, retirement planning, and estate planning.