



HIGH SCHOOL COURSE CATALOG 2025-2026



MAGNOLIA
INDEPENDENT SCHOOL DISTRICT

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. Hello.

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.

Late Arrival/Early Release Requirements

Seniors must be enrolled as full time students. However, those seniors in good academic standing have the opportunity to take a reduced academic course load by registering for late arrival or early release. In order to be eligible for this opportunity, seniors must have met the following requirements, prior to the first day of classes:

- Passed all sections of STAAR or are IGC eligible
- Have met TEA requirements from CCMR (College, Career & Military Readiness) or are enrolled in a course that would meet this requirement. See below for additional information regarding this requirement.
- A minimum of 21 credits at the beginning of the current school year and on the Foundation with Endorsement graduation plan

College, Career, and Military Readiness

It is the goal of Magnolia ISD that all seniors have viable post-graduation plans. The Texas Education Agency also places great emphasis on students being designated as College, Career, or Military Ready (CCMR) by the time they graduate high school. Students can achieve the appropriate CCMR designation by achieving one of the following metrics in both reading and math. Students can achieve metrics for each category by different means.

Test Requirements for College/Career Readiness		
SAT	ACT	TSIA 2
Reading/Writing = 480	English = 19	ELA = 945
Math = 530	Math = 19	Essay = 5
	Composite = 23	Math = 950
These are the minimum scores to be considered college/career ready by the Texas Higher Education Coordinating Board (THECB)		

Students can also achieve being designated as College, Career, and Military Ready (CCMR) by achieving one of the following metrics.

College Readiness			
AP/IB	Dual Credit	UT OnRamps	College Prep Courses
Score of 3 or higher on AP exam	3 hours of credit in math or ELA course	Earn college credit in an OnRamps course	Make a 75 or higher in College Prep Math and College Prep English
Score of 4 or higher on IB exam	9 hours in other courses		
Career/Military Readiness			
Military	Industry-based Certification	Special Education	
Have made commitment to enter the armed forces	Complete a CTE pathway and earn a corresponding certification	Graduate with an advanced degree plan or Graduate with an IEP and workforce-readiness	

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 the SAT and/or ACT in early fall. Send applications early in the summer and/or fall semester. Be mindful of college application deadlines. Submit a housing application in the early fall. Attend financial aid programs and begin the 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



CHARACTERISTICS OF AN ADVANCED ACADEMICS STUDENT

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|--|---|
| <ul style="list-style-type: none"> • Preparing for High School Advanced Academics Programs <ul style="list-style-type: none"> ◦ AP--Advanced Placement ◦ DC--Dual Credit through Lone Star--Montgomery ◦ IB--International Baccalaureate • Reading on or above grade level • Scores Masters or Meets on State Assessments • High Achiever <ul style="list-style-type: none"> ◦ wants to perform well on assessments, projects, assignments ◦ Is willing to put forth extra effort • Asks questions | <ul style="list-style-type: none"> • Independent Learner <ul style="list-style-type: none"> ◦ Student takes responsibility for their own learning <ul style="list-style-type: none"> ■ Minimal to no missing assignments ■ Strong study skills ■ self-motivated ◦ Self-disciplined ◦ Problem solver • Life-long learner <ul style="list-style-type: none"> ◦ Demonstrates a hunger for knowledge ◦ Proficient oral and written |
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Differences between on-level and advanced courses/expectations

CONTENT AREA	ON-LEVEL COURSE FOCUS	ADVANCED COURSE FOCUS
ENGLISH	<ul style="list-style-type: none"> • Sustain foundational language skills • Develop and deepen reading comprehension • Compose evidence-based responses • Read and analyze multiple genres • Determine and evaluate author's purpose • Revise and edit compositions • Engage in inquiry and research 	<ul style="list-style-type: none"> • Outside reading requirements with class discussion • Higher level questioning • Depth and extension of RLA standards • Oral presentations • Performance-based assessments and projects • PSAT Vocabulary-Focus on 7th and 8th grade
SCIENCE	<ul style="list-style-type: none"> • Essential science standards • Laboratory Activities with lab reports • Some projects • More teacher guidance 	<ul style="list-style-type: none"> • Depth and extensions of science standard • Increased amount of reading and lab reports • Independent projects and/or Science Fair • Less teacher guidance • Students with special Interest in Science
SOCIAL STUDIES	<ul style="list-style-type: none"> • Course Standards (course specific) including history, geography, economics, civics, and government • Examining human societies, cultures, and interactions across time and place • Preparing students to be informed citizens • Developing critical thinking skills 	<ul style="list-style-type: none"> • Highly motivated and interested in the study of History • Timed writings and performance-based assessments • Outside-of-class reading requirements • Oral presentations (individual and small group) • In-depth research & class discussions addressing course specific topics



Advanced Academics Program Comparison				
	International Baccalaureate	Advanced Placement (AP)	Dual Credit	Dual Enrollment (UT OnRamps)
Description	The International Baccalaureate Organization allows students to take college-level courses and related exams to potentially earn college credit and earn a separate IB Diploma.	The College Board AP Program allows students to take college-level courses and the related AP exam to potentially earn college credit in high school.	Students earn high school credit along with college credit while participating in the dual credit program.	Dual Enrollment Program through the University of Texas at Austin allows students to potentially earn both high school credit and college credit while still in high school. Different from dual credit, students in this program will earn separate grades for their college and high school grades.
College Credit	College credit is granted when a student passes the IB exam(s). Individual colleges and universities determine college credit granted.	College credit is granted when a student passes the AP exam(s). Individual colleges and universities determine college credit granted.	College credit is granted based off of the grade earned by the student through Lone Star College. Earned credit is guaranteed to be accepted for credit at any public university in Texas.	Earned credit is guaranteed to be accepted for credit at any public university in Texas.
Grade Point Average Implications	Students receive weighted GPA points for each IB course completed.	Students receive weighted GPA points for each AP course completed.	Dual credit courses do not count towards class ranking.	Dual enrollment courses do not count towards class ranking.
Associated Fees	There is an IB exam fee associated with each IB course.	There is an AP exam fee associated with each AP course.	Tuition for courses run \$120 per course. Students purchase their own textbooks.	There is a course fee of \$149 associated with each OnRamps course.



English Language Arts Courses

Course	Credits	Grade Level(s)	Recommended/Required Prerequisites
English 1	1	9	None
English 1 Advanced	1	9	None
English 2	1	10	English 1
English 2 Advanced	1	10	English 1 Advanced
English 3	1	11	English 2
English 3 AP English Language and Composition	1	11	English 2 Advanced
English 3 IB HL	1	11	English 2 Advanced
English 4	1	12	English 3
English 4 College Prep	1	12	English 3
English 4 College Connect (1301)	1	12	English 1, 2, 3
English 4 AP English Literature and Composition	1	12	English 3 AP
English 4 IB HL	1	12	English 3 IB
ENGL 1301	0.5	11-12	English 2 or 3 and TSIA
ENGL 1302	0.5	11-12	English 2 or 3 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 1
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 1, LPAC placement

1064/1074	<u>English for Speakers of Other Lang. 1 & 2</u> Grades: 9, 10	1 credit
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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**

Grade: 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 and analyze a variety of genres from different cultural, historical and contemporary contexts. Students will engage in the writing of multi-paragraph compositions including literary, informational, argumentative, and correspondence. The students will evaluate text evidence to support their responses while demonstrating organizational structure, a controlling idea, and writing for a variety of audiences. 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

Grade: 9 **1 credit**

*This course focuses on rigorous and advanced reading requirements in multiple genres both in and outside of class. Students will read, analyze, and write extensively using a variety of texts, as they interpret historical context and examine authorial techniques. Students will engage in the writing of multi-paragraph compositions including literary, informational, argumentative, and correspondence, as well as, participate in peer feedback to effectively revise their writing process. In addition, students will listen, respond, and contribute their own ideas while collaborating in group discussions. Students will be required to prepare and present presentations based on various texts. **This course requires an EOC exam.***

1224 **English 2**

Grade: 10 **1 credit**

*Students will read and analyze 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 relevant textual evidence. 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. Students will engage in activities that enhance student vocabulary and reinforce literacy skills in order to strengthen their reading, writing, and oral language skills. **This course requires an EOC exam.***

1234

English 2 Advanced

Grade: 10

1 credit

Suggested Prerequisite: English 1 Advanced

*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 in and outside of class. Students will complete compositions both in and outside of class. These will include literary and rhetorical analysis, informational compositions, creative works, and argumentative essays. Clarity, logic, and the ability to formulate and defend a thesis statement are key components of writing instruction and practice. Additionally, students will collaborate and conduct research tasks as they prepare presentations based on a variety of texts. Through the use of higher-level questioning and classroom discussions, this class prepares students for AP English, IB English, and Dual Credit 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

Grade: 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 multiple sources, making rhetorical choices based on audience, purpose, and form. Students will write a variety of argumentative, literary and rhetorical analyses, and informative pieces including the research paper. Students will read extensively from American literature with emphasis on the knowledge, history and major features of this genre. This course prepares students to take the TSIA exam in the spring.

1324DNH

English 3 Dual Credit (1301/1302)

Grade: 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.

1344

English 3 AP

Grade: 11

1 credit

Suggested Prerequisite: English 2 Advanced

*This course extends beyond the traditional high school curriculum to prepare students for the AP Language and Composition exam. 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 expected to take the AP exam. Fee is required for the exam.***

1344IB

English 3 IB HL

Grade: 11

1 credit

Suggested Prerequisite: English 2 Advanced

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 shall complete all Internal and External Assessments. Fees are required for this course.

1424

English 4

Grade: 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. Students will focus on recurring themes, devices of propaganda, analysis of author's purpose and the use of rhetorical devices. The students will participate in the more advanced forms of writing to sustain the previous emphasis on the composing process, including patterns of organization, selection of rhetorical choices, analysis of ideas, and the use of more sophisticated word choice. These writings will include extended essays, such as research, argumentative, literary, and personal narratives.

14444

English 4 College Prep

Grade: 12

1 credit

*This course fulfills TSIA requirements for reading and writing at the college level.. **Students who complete the course will meet all requirements to enroll within two years 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.

1444DNH English 4 College Connect (1301)

Grade: 12 **1 credit**

Prerequisites: English 1, 2, 3

This course follows the required curriculum for Lone Star College English 1301 course, in addition to TEKS required by the state of Texas for English 4 credit. This innovatively designed course will allow students the maximum flexibility to obtain college credit and provide integrated college readiness skills to students who are on the continuum of college readiness and will benefit from exposure to college-level content. 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 three (3) 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.

1424DNH English 4 Dual Credit (1301/1302)

Grade: 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.

14244DNH English 4 Dual Credit (2332/2333)

Grade: 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.

1444

English 4 AP

Grade: 12

1 credit

Suggested Prerequisite: English 3 AP

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 expected to take the AP exam. Fee is required for the exam.

1444IB

English 4 IB HL

Grade: 12

1 credit

Prerequisite: English 3 IB

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 shall complete all Internal and External Assessments. Fees are required for this course.

1632

Creative Writing

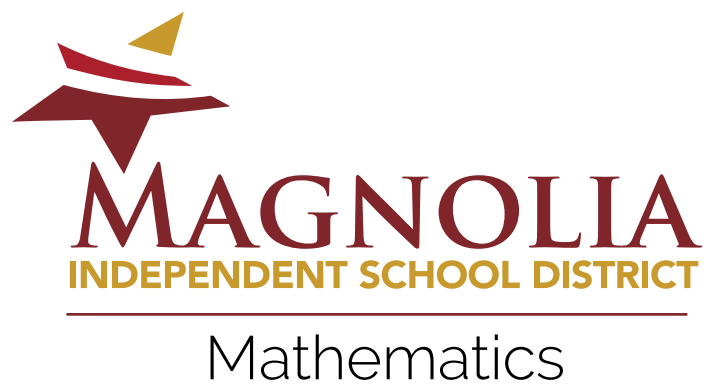
16322

Grade: 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
Geometry Advanced	1	9-10	Algebra 1
Algebra 2	1	9-12	Algebra 1
Algebra 2 Advanced	1	9-12	Algebra 1
Math Models	1	10-12	Algebra 1, Geometry
Algebraic Reasoning	1	10-12	Algebra 1
Precalculus	1	10-12	Algebra 1, Geometry, Algebra 2
Precalculus Advanced	1	10-12	Algebra 1, Geometry, Algebra 2
Precalculus Dual-Credit	1	10-12	Meet TSIA2 Criteria and Algebra 1, Geometry, Algebra 2
Statistics	1	10-12	Algebra 1
College Prep Mathematics	1	12	Algebra 1, Geometry, Algebra 2
College Algebra Dual Credit	1	11-12	Meet TSIA2 Criteria
Calculus AB AP	1	11-12	Precalculus Advanced or Dual
Calculus BC AP	1	11-12	Precalculus Advanced or Dual
Statistics AP	1	11-12	Geometry and Algebra 2
Calculus Dual Credit	1	11-12	Meet TSIA2 Criteria/Dual Precalculus
IB Math: Applications & Interpretation	1	12	Precalculus Advanced
IB Math: Analysis & Approaches	1	12	Precalculus Advanced
UT OnRamps Dual Enrollment: Introduction to Statistics	1	11-12	Algebra 2

Algebra 1

1 credit

Prerequisites: Math Grade 8 or Equivalent

Geometry

Grades: 9, 10, 11

1 credit

Prerequisites: Algebra 1

Geometry Advanced

Grades: 9, 10

1 credit

Prerequisites: Algebra 1

Algebra 2

Grades: 10, 11, 12

1 credit

Prerequisites: Algebra 1

Algebra 2 Advanced

Grades: 9, 10, 11

1 credit

Prerequisites: Algebra 1

Units of study include relations and functions, graphing, equations (linear, quadratic, polynomial, rational, radical), systems of equations and inequalities, matrices, points and planes in space, conic sections, irrational numbers, exponentials and logarithms.

4352

College Algebra

Grades: 11, 12

1 credit

Prerequisites: Algebra 2, 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 1, Geometry, Algebra 2

*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*

5444IB

54444IB

Mathematics: IB Analysis and Approaches SL and HL

Grade: 12

1 credit

Prerequisites: Advanced Precalculus

*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. **Students shall complete all Internal and External Assessments. Fees are required for this course.***

5434IB

54344IB

Mathematics: IB Applications and Interpretation SL and HL

Grade: 12

1 credit

Prerequisites: Advanced Precalculus

*This course is for students interested in developing their mathematics for describing our world, modeling, 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 shall complete all Internal and External Assessments. Fees are required for this course.***

- 4424** **Mathematical Models with Applications**
Grades: 10, 11 **1 credit**
Prerequisites: Algebra I, Geometry
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. This course may only count as a third year math course for graduation.
- 4514** **Algebraic Reasoning**
Grades: 11, 12 **1 credit**
Prerequisites: Algebra 1
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 workforce and college readiness.
- 4534** **Precalculus Advanced**
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. This course explores topics at a more rigorous level than on level pre-calculus
- 4544** **Precalculus**
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 expected 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: Geometry and Algebra 2

*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 expected 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 2, 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 expected to take the AP exam. Fee is required for the exam.***

4594 Statistics

Grades: 11, 12

1 credit

Prerequisites: Algebra 1

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.

4594DNH

UT OnRamps Dual Enrollment: Statistics

Grades 11- 12

1 credit

Prerequisite: Algebra 2

*OnRamps Statistics is a dual enrollment data analysis course for students seeking to develop quantitative reasoning habits of mind, with particular attention to conceptual understanding, using a scaffolded introduction to statistical methodologies, informal gameplay, and strategic lab exercises that engage students in hands-on analysis of real data. As a dual enrollment course, students will receive two grades in the course-one from each institution. **Enrollment fees apply.***



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
Biology AP	1	11, 12	Biology Advanced, Chemistry Advanced
Biology SL IB	1	11, 12	Biology Advanced, Chemistry Advanced
Biology HL IB	1	11, 12	Biology Advanced, Chemistry Advanced
Chemistry	1	10, 11, 12	Biology; Algebra 1
Chemistry Advanced	1	10, 11	Biology Advanced; Algebra 1
Chemistry AP	1	11,12	Biology Advanced, Chemistry Advanced; Algebra 2 (may take concurrently)
Chemistry SL IB	1	11, 12	Biology Advanced, Chemistry Advanced; Algebra 2 (may take concurrently)
Chemistry HL IB	1	11, 12	Biology Advanced, Chemistry Advanced
Earth System Science*	1	10, 11, 12	Two sciences; Algebra 1
Environmental Systems	1	11, 12	Biology, Chemistry or IPC
Environmental Science AP	1	11,12	Biology Advanced, Chemistry Advanced; Alg. 1
Environmental System IB	1	11, 12	Biology Advanced, Chemistry Advanced; Alg. 1
Food Science*	1	11, 12	Biology, Chemistry, and an additional science
Forensic Science	1	11, 12	Biology, Chemistry
Integrated Physics and Chemistry	1	10	None
Physics	1	11, 12	Biology, Chemistry; Algebra 1
Physics 1* AP	1	11,12	Biology Advanced, Chemistry Advanced; Alg. 2
Physics 2* AP	1	12	AP Physics 1; Pre-calculus or Calculus
Physics C* AP	1	12	AP Physics 1; Calculus AB
Physics 1* IB	1	11,12	Biology Advanced, Chemistry Advanced; Alg. 2
Physics SL/HL IB	1	12	IB Physics 1; Alg. 2

Advanced Plant Science and Soil	1	12	Biology, Chemistry or IPC; Adv. Floral Design
UT OnRamps Dual Enrollment: Introduction to Geosciences	1	11,12	Biology, Chemistry*
Sports, Exercise, and Health Science IB	1	11, 12	Chemistry Advanced

*** courses can have concurrent prerequisites**

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.

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: 10, 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

*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 organisms, 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

Suggested Prerequisites: Advanced Science Coursework

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 organisms, 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 Advanced and Chemistry Advanced

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 rapidly changing science of biology.

Students are expected to take the AP exam. Fee is required for the exam.

3534IB

Biology SL/HL 1 IB

Grades: 11, 12

1 credit

Prerequisites: Biology Advanced and Chemistry Advanced

*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 shall complete all***

Internal and External Assessments. Fees are required for this course.

3544IB

Biology SL/HL 2 IB

Grades: 12

1 credit

Prerequisites: IB Biology SL/HL 1

*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 2 topics, nucleic acids and proteins, cell respiration and photosynthesis, plant science, genetics, and human health and physiology, among other options. **Students shall complete all Internal and***

External Assessments. Fees are required for this course.

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 Advanced 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 Advanced, Chemistry Advanced, Algebra 2 Advanced

*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 expected to take the AP exam. Fee is required for the exam.***

33441B

Chemistry SL IB

Grades: 11, 12

1 credit

Prerequisites: Biology (Advanced preferred), Chemistry (Advanced preferred), Algebra 2 (Advanced preferred)

*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 shall complete all Internal and External Assessments. Fees are required for this course.***

3354|B

Grades: 11, 12

1 credit

Prerequisite: Chemistry SL IB

*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 shall complete all Internal and External Assessments. Fees are required for this course.***

3784

Grades: 10, 11, 12

1 credit

Prerequisites: 2 sciences (Biology, Chemistry and IPC) and Algebra 1

Earth System Science is designed to build on students' prior knowledge of science and further develop their understanding of Earth's systems. Students will explore Earth's landscape, climate, and resources, as well as how human interactions impact these systems.

3624

Grades: 10, 11, 12

1 credit

Prerequisites: Biology, Chemistry, 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

Grades: 11, 12

1 credit

Prerequisites: Biology (Advanced preferred), Chemistry(Advanced preferred), 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 expected to take the AP exam. Fee is required for the exam.***

3624IB

Environmental Systems IB

Grades: 11, 12

1 credit

Prerequisites: Biology (Advanced preferred), Chemistry (Advanced preferred), 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 shall complete all Internal and External Assessments. Fees are required for this course.***

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: 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: 11, 12

1 credit

Prerequisites: Biology, Chemistry, and Algebra I

Physics is a mathematically rigorous science course designed to ignite 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 the scientific method to investigate and apply the ideas of physics to the world today.

3464

Physics 1 AP

Grades: 11, 12

1 credit

Suggested Prerequisites: Biology (Advanced preferred), Chemistry (Advanced preferred), and Algebra II (Advanced preferred) (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 expected 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 expected 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 AP 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 expected 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.
- 3464IB** **Physics 1 IB**
Grades: 11 **1 credit**
Prerequisites: Biology (Advanced preferred), Chemistry (Advanced preferred), 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 or HL 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 shall complete all Internal and External Assessments. Fees are required for this course.***
- 3474IB** **Physics SL IB**
Grades: 12 **1 credit**
Prerequisites: Physics I IB
*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 shall complete all Internal and External Assessments. Fees are required for this course.***
- ????IB** **Physics HL IB**
Grades: 12 **1 credit**
Prerequisites: Physics I IB and Teacher/IB Coordinator approval
*IB Physics HL 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 HL exam at the end of their senior year. Topics include all topics covered at SL (forces, energy, and mechanics; energy transfer, the behavior of gases, and electricity; wave behavior; gravitational, electric, and magnetic fields; and fission and fusion) with additional content, including relativity, thermodynamics, induction, and quantum physics. **Students shall complete all Internal and External Assessments. Fees are required for this course.***

8484

1 credit

Prerequisites: Advanced Floral

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.

3714 DNH

1 credit

Prerequisites: Biology, Chemistry (may take concurrently)

*Earth, Wind, and Fire is a dual enrollment course with the University of Texas. It is a geoscience literacy course focusing on the basics of physical geology with an emphasis on environmental problems. It covers the fundamentals of how the Earth works and how its various systems - the lithosphere, atmosphere, hydrosphere, and biosphere - interact to form the complex world we live in. As a dual enrollment course, students will receive two grades in the course-one from each institution. **Enrollment fees apply.***

3654IB

1 credit

Prerequisite: Chemistry Advanced (OnLevel Chemistry with Teacher recommendation)

Sports, Exercise, and Health Science (SEHS) is an experimental science course combining academic study with practical and investigative skills. SEHS explores the science underpinning physical performance and provides the opportunity to apply these principles. The course incorporates the disciplines of anatomy and physiology, biomechanics, psychology and nutrition. Students cover a range of core and option topics, and carry out practical (experimental) investigations in both laboratory and field settings. The course offers a deeper understanding of the issues related to sports, exercise and health in the 21st century and addresses the international dimension and ethics related to both the individual and global context. This course meets the graduation requirements for Health.

Students shall complete all Internal and External Assessments. Fees are required for this course.



Social Studies Courses

Course	Credits	Grade Level	Recommended/Required Prerequisites
World Geography	1	9	None
Human Geography AP	1	9	Advanced History Coursework
World History	1	10	None
World History: Modern AP	1	10	Human Geography AP
U.S. History Since 1877	1	11	None
U.S. History AP	1	11	World History: Modern AP
U. S. History Dual Credit	1	11	Lone Star Application and TSI Assessment (1301 & 1302)
IB History of the Americas	1	11	World History: Modern AP
IB History of the 20th Century	1	12	IB History of the Americas
United States Government	0.5	12	None
U.S. Government & Politics AP	0.5	12	U.S. History AP
Government Dual Credit	0.5	12	Lone Star Application and TSI Assessment (2305)
Economics with Emphasis on the Free Enterprise System and its Benefits	0.5	12	None
Macroeconomics AP	0.5	12	U.S. Government & Politics AP
Philosophy IB	1	11-12	Advanced History Coursework
Psychology	0.5	10-12	None
Sociology	0.5	10-12	None
Psychology AP	1	11-12	Advanced Social Studies Coursework
Psychology IB	1	11-12	Advanced Social Studies Coursework
IB Theory of Knowledge	1	11-12	IB Diploma Student
Personal Financial Literacy and Economics	0.5	12	None
Special Topics –	0.5	11-12	None
UT OnRamps Dual Enrollment: Introduction to Microeconomics	0.5	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 explores the complex interplay between people and the environment. Students will delve into topics such as population trends, cultural landscapes, and spatial patterns, examining everything from bustling cities to rural areas. By developing critical thinking skills and learning to interpret maps, charts, and data, students will gain a deeper understanding of geographic concepts and their real-world applications. The course covers a range of topics, including the nature of geography, population dynamics, cultural patterns, political organization, land use, and urbanization. Students will employ spatial analysis to examine human societies and their environmental impact and will gain knowledge of geographic methods and tools. The student will be expected to read and evaluate a large amount of material and involve significant outside reading & essay writing. **Students are expected to take the AP exam. Fees are required for the exam.***

2224

World History

Grades: 10

1 credit

World History Studies offers a comprehensive survey of human history, from ancient civilizations (8000 BCE) to the Present Day. Students will develop critical thinking skills by analyzing historical sources and interpreting data. They will explore key events, figures, and themes that have shaped the world. World History Studies offers a comprehensive survey of human history, from ancient civilizations to modern times. Students will explore key events, figures, and themes, analyzing the impact of geographic, social, political, cultural, and technological factors. By studying historical sources and interpreting data, students will develop critical thinking skills and connect the past to the present.

2244

World History: Modern AP

Grades: 10

1 credit

Suggested Prerequisite: Human Geography AP

AP World History is a yearlong course that explores the complex history of the world from approximately 1200 CE to the present. Students will delve into the rise and fall of empires, the evolution of technology, and the cultural and social changes that have shaped our world. By analyzing primary and secondary sources, interpreting historical events, and making connections between different time periods and cultures, students will develop critical thinking skills. They will also learn to evaluate evidence, construct well-supported arguments, and

*effectively communicate their ideas. The student will be expected to read and evaluate a large amount of material and involves significant outside reading & essay writing. **Students are expected to take the AP exam. Fees are required for the exam.***

2324

U.S. History Since 1877

Grades: 11

1 credit

*United States History Since 1877 is the study of the historical development of American ideas and institutions from Post-Civil War period to the present. Students will learn fundamental concepts in civics, economics, and geography and obtain a basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in the United States. **Students will be required to take the US History EOC Exam.***

2324IB

IB History of the Americas HL

Grades: 11

1 credit

Suggested Prerequisite: World History: Modern AP

*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 shall complete all Internal and External Assessments. Students will be required to take the US History EOC Exam.***

2334

U.S. History AP

Grades: 11

1 credit

Suggested Prerequisite: World History: Modern AP

*AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. The student will be expected to read and evaluate a large amount of material and involves significant outside reading & essay writing. **Students are expected to take the AP exam. Fees are 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.

Students are required to take the US History EOC Exam.

2354IB IB History of the 20th Century

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 shall complete all Internal and External Assessments. Fees are required for this course.**

2422 United States Government

Grades: 12

0.5 credit

This course explores the United States Government and will provide students with knowledge of the American government system that will enable them to participate effectively in civic life in America. Students will examine fundamental constitutional principles; the organization of government at the federal, state, and local level; the rights and responsibilities of citizenship; the policy-making process; political parties and elections; comparative government and foreign policy.

2432 U. S. Government and Politics AP

Grades: 12

0.5 credit

Suggested Prerequisite: U.S. History AP

AP United States Government and Politics explores the complex interplay of power and policy in the United States. Students will examine the structure and functions of the federal government, including the legislative, executive, and judicial branches. They will analyze the impact of political ideologies, public opinion, and interest groups on American politics. By studying historical and contemporary issues, students will develop critical thinking skills, learn to interpret political data, and effectively communicate their ideas through writing and discussion. The student will be expected to read and evaluate a large amount of material and

2432DNH

Grade 12

0.5 credit

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

Grades: 12

0.5 credit

Economics is a semester course that deals with the way that individuals and societies, particularly the United States, have chosen to use scarce resources for the production of alternative goods and how these resources are distributed among the various peoples and groups in society. The course emphasizes the economic principles upon which the free enterprise system is based.

2532

Grades: 12

0.5 credit

*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. The student will be expected to read and evaluate a large amount of material and involves significant outside reading & essay writing. **Students are expected to take the AP exam. Fees are required for the exam.***

2612

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 emphasis 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. The student will be expected to read and evaluate a large amount of material and involves significant outside reading & essay writing. **Students are expected to take the AP exam. Fees are 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 shall complete all Internal and External Assessments. Fees are required for this course.***

- 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 shall complete all Internal and External Assessments. Fees are required for this course.***
- 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. **Students shall complete all Internal and External Assessments. Fees are required for this course.***
- 28354IB** **Philosophy IB SL**
Grades: 11, 12 **1 Credit**
Suggested Prerequisite: Advanced Social Studies coursework
*This course needs IB Coordinator Approval. **Students shall complete all Internal and External Assessments. Fees are required for this course.***
- 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 shall complete all Internal and External Assessments. Fees are required for this course.***
- 2842IB** **Continuation of 2832IB Theory of Knowledge IB**
Grades: 12 **0.5 credit**
Prerequisites: IB Diploma Student *Continuation of 2832IB Theory of Knowledge*
Students shall complete all Internal and External Assessments. Fees are required for this course.

2523

Personal Financial Literacy & Economics

Grades: 12

0.5 credit

Personal Financial Literacy and Economics Course is a semester course that emphasizes the economic way of thinking, as a framework for the personal financial decision-making opportunities students will make. This course allows students the ability to anticipate and address financial challenges as these challenges occur over their lifetime, like how to invest in themselves with education and skill development, earn income, and budget for spending, saving, investing, and protecting. Students will be introduced to common economic and personal financial planning terms and concepts. Upon completion of the course, students will gain the ability to lead productive and financially self-sufficient lives and realize how it impacts the greater economy.

2542 DNH

UT OnRamps Dual Enrollment: Introduction to Microeconomics

Grades: 12

1 Credit

*OnRamps Economics is a dual enrollment economics course that emphasizes microeconomics concepts and quantitative reasoning to interpret basic statistics and apply economic analysis. It also features macroeconomics topics, personal financial literacy content, and core concepts, including scarcity and opportunity costs, supply and demand, market structures, competition, and behavioral economics. Students will independently engage in flipped learning to drive understanding of mastery. In addition, students will collaborate with peers in class discussions and problem-solving exercises to apply and extend knowledge of economics concepts. As a dual enrollment course, students will receive two grades in the course-one from each institution. **Enrollment fees apply.***



World Language Courses

Course	Credits	Grade Level	Prerequisites
Spanish 1	1	9, 10, 11	None
Spanish 2	1	9, 10, 11, 12	Spanish1
Spanish 2 Advanced	1	9, 10, 11,12	Spanish 1
Spanish 3 Advanced	1	10, 11, 12	Spanish 2 or Spanish 2 Advanced
Spanish 4 AP Spanish Language and Culture	1	11, 12	Spanish 3 Advanced
Spanish 5 AP Spanish Literature and Composition	1	12	Spanish 4 AP
Spanish for Native Speakers I & II	2	9, 10, 11, 12	Moderate to advanced proficiency on the Native Speakers exam
Spanish for Native Speakers AP	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	1	12	Spanish Ab Initio 1 IB
Spanish 4 IB	1	11, 12	Spanish 3 Advanced
Spanish 5 IB	1	12	Spanish 4 IB
French 1	1	9, 10, 11	None
French 2	1	10, 11, 12	French 1
French 2 Advanced	1	10, 11, 12	French 1
French 3 Advanced	1	11, 12	French 2 or French 2 Advanced
French 4 AP	1	12	French 3 Advanced
French 5 IB	1	12	French 3 Advanced
French Ab Initio 1 IB	1	11, 12	None
French Ab Initio 2 IB	1	12	French Ab Initio 1 IB

World Language Courses

- 1484** **Spanish for Native Speakers AP**
Grades: 9, 10, 11, 12 **1 credit**
Prerequisites: Demonstration of moderate to advanced proficiency on the Native Speakers Exam. Students can get up to 4 credits depending on the results of their 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 expected 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 1**
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 III Advanced.
- 1514Q** **Spanish 2 Advanced**
Grades: 9, 10, 11,12 **1 credit**
Prerequisites: Spanish 1
The rigor in this course is designed for students going on to take Spanish III Advanced 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)
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 Spanish Language & Culture**
Grades: 11, 12 **1 credit**
Prerequisites: Spanish 3 (Advanced required)
*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 expected 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. **Students shall complete all Internal and External Assessments. Fees are required for this course.***
- 1534IB** **Spanish 4 IB**
Grades: 11, 12 **1 credit**
Prerequisites: Spanish 3 (Advanced recommended)
*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 shall complete all Internal and External Assessments. Fees are required for this course.***

1544 **Spanish 5 AP** Spanish Literature and Composition

Grades: 12 **1 credit**

Prerequisites: Spanish 4 AP or Spanish for Native Speakers AP (recommended)

*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
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Prerequisites: Spanish AB Initio 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 2 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. **Students shall complete all Internal and External Assessments. Fees are required for this course.***

1544IB Spanish 5 IB

Grades: 12 **1 credit**

Prerequisites: Spanish 4 IB

Follow-up course for IB Spanish 4. Students shall complete all Internal and External Assessments. Fees are required for this course.

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 expected 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 shall complete all Internal and External Assessments. Fees are required for this course.***

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 Ab Initio exam: A student with no French experience must take Ab initio for two years.

Students shall complete all Internal and External Assessments. Fees are required for this course.

1564IB

French Ab Initio 2 IB

Grades: 12

1 credit

Prerequisites: French AB Initio 1 IB

This course is a follow up to French Ab Initio 1 IB. Students shall complete all Internal and External Assessments. Fees are required for this course.



Fine Arts



Fine Arts Courses				
Course	Area	Credit	Grade Level	Prerequisites
Portfolio Studio Art	Art	1	8	7 th grade advanced art and teacher approval
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 or teacher approval
Art 2 3D: Sculpting	Art	1	10-12	Art 1 or teacher approval
Art 3 Studio Advanced	Art	1	11-12	Art 2
Art 4 AP Studio Art	Art	1	12	Art 3 Studio Advanced
Art 4 AP Drawing	Art	1	12	Art 3 Studio Advanced
Art History AP	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	9-12	Theater Arts 1 and teacher approval
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	Audition and teacher approval
Intermediate Tenor/Bass Choir	Choir	1	9-12	Audition and teacher approval
Advanced Tenor/Bass Choir	Choir	1	10-12	Audition, prior music experience required, teacher approval
Treble Choir	Choir	1	9-12	Audition and teacher approval
Intermediate Treble Choir	Choir	1	9-12	Audition and teacher approval
Advanced Treble Choir	Choir	1	10-12	Audition, prior music experience required
Chorale	Choir	1	10-12	Audition, prior music experience required, teacher approval
Piano	Music	1	10-12	
Music Theory AP	Music	1	11-12	Prior music experience and teacher approval
Music 1 IB	Music	1	11	Coordinator Approval
Music 2 IB	Music	1	12	Music 1 IB

J7114

Portfolio Studio Art Class

Grade: 8

1 credit

Prerequisites: 7th grade advanced art and teacher approval

This class is designed to meet the high school Art1 TEKS. Upon completion of the school year, the student will produce a portfolio of original work that will be reviewed by their teacher and a representative faculty member at their zoned high school.

1764IB

Visual Arts 1 IB

Grades: 11

1 credit

Prerequisites: Teacher or Coordinator approval

*This is the first of a two year course that is designed to meet the requirements of IB Art. Students are expected to be prepared for an independent study type of class that tracks history and their own interest and style as an artist, be aware of community involvement regarding art, and draw parallels between their own work and works of historical significance. All students must not only complete an investigation workbook that tracks their growth as an artist, but must also be prepared to exhibit their work in the second year as part of the IB Art exam. **Students shall complete all Internal and External Assessments. Fees are required for this course.***

1774IB

Visual Arts 2 IB

Grades: 12

1 credit

Prerequisites: Visual Arts I IB

*This is the second year of a two year course designed to meet the requirements of IB Art. Students are expected to be prepared for an independent study type of class that tracks history and their own interest and style as an artist, be aware of community involvement regarding art, and draw parallels between their own work and works of historical significance. All students must not only complete an investigation workbook that tracks their growth as an artist, but must also be prepared to exhibit their work in the second year as part of the IB Art exam. **Students shall complete all Internal and External Assessments. Fees are required for this course.***

5714C

Concert Band 1, 2, 3, 4

5724C

Grades: 9, 10, 11, 12

1 credit

5734C

Prerequisites: Prior band experience, audition, and director approval

5744C

The Concert 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 (sub non-varsity) and TMEA sponsored events as well as school related and public performances. After school rehearsals and performances are required.

5714D	<u>Drumline 1, 2, 3, 4</u>	
5724D	Grades 9, 10, 11, 12	1 credit
5734D	Prerequisites: Prior band experience, audition, and director approval	
5744D	<i>The Drumline 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>	
5714JZ	<u>Jazz Ensemble</u>	
5724JZ	Grades: 9, 10, 11, 12	1 credit
5734JZ	Prerequisites: Prior band experience, audition, and director approval	
5744JZ	<i>This course is a performance based course where skills and styles of the American jazz idiom will be taught. This ensemble will compete and/or perform in various events throughout the year. After school rehearsals and performances are required.</i>	
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	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.	
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 1 or teacher approval	
	<i>Introduction to various drawing techniques and media with emphasis on black and white media such as charcoal, ink, and pencil.</i>	
7154	<u>Art 2 3D: Sculpting</u>	
	Grades: 10, 11, 12	1 credit
	Prerequisites: Art I	
	<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.</i>	
7164	<u>Art 3 Advanced Studio</u>	
	Grades: 11, 12	1 credit
	<i>Introduction to various painting techniques using tempera, watercolor, acrylic, pastels, and paint sticks. Vocabulary, history of painting, and analyzing art work is stressed.</i>	
7084	<u>Art 4 AP Studio Art</u>	
	Grades; 11, 12	1 credit
	Prerequisites: Art 3 Advanced Studio	
	<i>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.</i>	
	<i>Students are expected to take the AP exam. Fees are required for the exam.</i>	

7094	<u>Art 4 AP Drawing</u> Grades: 11, 12 1 credit <i>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 students to work in and out of class. Students are expected to take the AP exam. Fees are required for the exam and study guide.</i>
7194	<u>Art History AP</u> Grades: 11, 12 1 credit <i>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 expected to take the AP exam. Fees are required for the exam and study guide.</i>
7214	<u>Theatre Arts 1</u> Grades 9, 10, 11, 12 1 credit <i>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.</i>
7264	<u>Theatre Production 1</u> Grade: 9 1 credit Prerequisite: Teacher Approval (JH teacher recommendation) <i>This class is geared towards beginning students interested in theatre extra-curricular performances.</i>
7274	<u>Theatre Production 2, 3, 4</u>
7284	Grades: 10, 11, 12 1 credit
7294	Prerequisite: Teacher Approval <i>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.</i>
7614	<u>Technical Theatre 1, 2, 3, 4</u>
7624	Grades 9-12 1 credit
7634	Prerequisite: Theatre Arts I
7644	<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.</i>

7314T **Treble Choir**
7324T **Grades: 9, 10, 11, 12** **1 credit**
7334T **Prerequisite: Audition and teacher approval**
7344T *This group 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 ensemble.*

7394T **Intermediate Treble Choir**
7404T **Grades: 9, 10, 11, 12** **1 credit**
7414T **Prerequisite: Audition and teacher approval**
7424T *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.*

7444T **Advanced Treble Choir**
7454T **Grades 10, 11, 12** **1 credit**
7464T **Prerequisite: Audition and teacher approval**
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.

7314TB **Tenor/Bass Choir**
7324TB **Grades 9, 10, 11, 12** **1 credit**
7334TB **Prerequisite: Audition and teacher approval**
7344TB *This is a non-auditioned group that will focus on developing 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 ensemble.*

7394TB **Intermediate Tenor/Bass Choir**
7404TB **Grades 9, 10, 11, 12** **1 credit**
7414TB **Prerequisite: Audition and teacher approval**
7424TB *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.*

- 7444TB** **Advanced Tenor/Bass Choir**
7454TB **Grades 10, 11, 12** **1 credit**
7464TB ***Prerequisite: Audition and teacher approval***
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.
- 7534C** **Chorale**
7544C **Grades: 10, 11, 12** **1 credit**
7554C ***Prerequisite: Audition and teacher approval***
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** **Music 1 IB**
Grades 11
*Part of the IB Diploma Program. **Students shall complete all Internal and External Assessments. Fees are required for this course.***
- 7674IB** **Music 2 IB**
Grade 12
Prerequisite: IB MUSIC 1
*Part of the IB Diploma Program. **Students shall complete all Internal and External Assessments. Fees are required for this course.***
- 7574** **Music Theory AP**
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. Fees are required for the exam and 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. **Students shall complete all Internal and External Assessments. Fees are required for this course***

1794IB

Film 2 IB

Grades: 12

1 credit

Prerequisites: IB Film 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. **Students shall complete all Internal and External Assessments. Fees are required for this course.***

1804

Newspaper 1, 2, 3

1814

Grades: 9, 10, 11, 12

1 credit

1824

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.

1854

Yearbook 1, 2, 3, 4

1864

Grades: 9, 10, 11, 12

1 credit

1874

Prerequisites: Teacher approval

1884

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.

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, 10, 11, 12 **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

Physical Education & Athletics Courses

Senate Bill 8, passed by the Texas Legislature in 2011 requires that each student enrolled in PE credit courses in grades 3-12 be given an annual fitness test. The instrument to be used is the Fitnessgram which includes Body Mass Index, cardiovascular test (one mile run/walk), curl ups, push-ups, shoulder stretch, and trunk lift.

5112 The Skill- Based Lifetime Activities

Grades: 9, 10, 11, 12 1 Credit

The Skill-Based Lifetime Activities course offers students the opportunity to demonstrate mastery in basic sport skills, basic sport knowledge, and health and fitness principles. Students experience opportunities that promote physical literacy and lifetime wellness. Students in Skill-Based Lifetime Activities participate in a minimum of one lifelong activity from each of the following five categories during the course. (A) Target games are activities in which students send an object toward a target. (B) Striking and fielding games are activities in which students strike an object in order to score points within a game. (C) Fitness activities provide opportunities for students to apply fitness principles to accomplish an objective. (D) Rhythmic activities provide opportunities for student to demonstrate or create movement sequences with rhythm. (E) Innovative games and activities with international significance are those games and activities that use new or innovative equipment, have been created by students, or are played internationally. *Students must dress out and participate. Without participation, the student cannot pass the class. PE shirts are required and can be purchased for \$10. Personal shorts/leggings and athletic footwear complete the required daily uniform.*

5164 Weight Training 1, 2, 3

5174 Grades 10, 11, 12 1 credit

5184 Prerequisites: Skill-Based Lifetime Activities or athletic class.

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 NJROTC is a citizenship and leadership program that instills service to the United
5554 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

Grades: 11, 12

1 credit

Prerequisites: Tryout & Teacher Recommendation

Students must meet eligibility requirements and selection is determined by tryouts and director approval.

5574

Grades: 9, 10, 11, 12

1 credit

These courses stress all aspects of dance and can also count as Fine Arts credit

5594IB

Grades: 11

1 credit

Prerequisite: Dance 1

*This course serves as the first year of a two-year course design; students will take Dance SL Year 1 in Grade 11. The course takes a holistic approach to dance and embraces a variety of dance traditions practiced by people of various backgrounds throughout the world. Performing, creative, and analytical skills are mutually developed throughout the course. IB Dance SL focuses on an understanding of movement skills appropriate to the dancer's performance; clarity in relationship to space, time, dynamics, and movement qualities; and communicative expression in relation to others. In lieu of a traditional exam, this course culminates in a portfolio submission, including a formal dance performance, two original compositions, and a written dance investigation. **Students shall complete all Internal and External Assessments. Fees are required for this course.***

5614

Grades: 9, 10, 11, 12

1 credit

Prerequisites: Tryout

Students must meet 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

Grades: 9, 10, 11, 12

1 credit

Prerequisites: Tryout and director approval

Students must meet eligibility requirements and selection is determined by tryouts and director approval. *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	<u>Football</u> Grades: 9, 10, 11, 12 Prerequisites: Coach approval	1 credit
65214	<u>Volleyball</u> Grades: 9, 10, 11, 12 Prerequisites: Coach approval	1 credit
65224	<u>Basketball-Girls</u> Grades: 9, 10, 11, 12 Prerequisites: Coach approval	1 credit
65234	<u>Basketball- Boys</u> Grades: 9, 10, 11, 12 Prerequisites: Coach approval	1 credit
65244	<u>Soccer Girls</u> Grades: 9, 10, 11, 12 Prerequisites: Coach approval	1 credit
65254	<u>Soccer Boys</u> Grades: 9, 10, 11, 12 Prerequisites: Coach approval	1 credit
65264	<u>Swim</u> Grades: 9, 10, 11, 12 Prerequisites: Coach approval <i>This is a competition swimming class.</i>	1 credit
65274	<u>Swim/Dive</u> Grades: 9, 10, 11, 12 Prerequisites: Coach approval <i>This is a competition swimming and diving class.</i>	1 credit
65284	<u>Golf</u> Grades: 9, 10, 11, 12 Prerequisites: Coach approval	1 credit
65294	<u>Tennis</u> Grades: 9, 10, 11, 12 Prerequisites: Coach approval	1 credit

- 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.
- 5124 Team Sport Officiating**
Grades 11, 12 0.5-1.0 Credit
Prerequisites: Skill-Based Lifetime Activities or athletic class.
The Team Sport Officiating course will teach students rules and regulations of selected team sports, developing skills in the areas of communication, decision-making, and conflict management needed to officiate team sport competition working with coaches, players, other officials, and parents.

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 **0 credit**

No credit towards graduation will be earned.

Seniors must have met the following requirements before early release will be permitted:

- Passed all sections of STAAR or are IGC eligible
- Have met TEA requirements from CCMR (College, Career & Military Readiness) or are enrolled in a course that would meet this requirement.
- A minimum of 21 credits at the beginning of the current school year and on the Foundation with Endorsement graduation plan

9084

Late Arrival

Grades: 12

0 credit

No credit towards graduation will be earned.

Seniors must have met the following requirements before late arrival will be permitted:

- **A minimum of 21 credits at the beginning of the current school year and on the Foundation with Endorsement graduation plan**
- **Passed all sections of STAAR or are IGC eligible**
- **Have met TEA requirements from CCMR (College, Career & Military Readiness) or are enrolled in a course that would meet this requirement.**

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:
 - o **Creativity**--arts, and other experiences that involve creative thinking.
 - o **Activity**--physical exertion contributing to a healthy lifestyle, complementing academic work elsewhere in the Diploma Program.
 - o **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

Diagnostic and Therapeutic Services

PROGRAM OF STUDY

Diagnostic and Therapeutic Services



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
Health Science Theory

2.0 Credits
1.0 Credit

Certifications:

CNA (Certified Nurse Assistant)
EMT (Emergency Medical Technician)
Certified EKG 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.
- 5934** **Practicum in Health Science 1 CNA (Certified Nursing Assistant)**
Grades: 11, 12 **2 credits**
Prerequisites: Principles of Health Science, Medical Terminology and Health Science Theory
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.
- 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.
- 5924** **Health Science Theory**
Grades: 11 & 12 **1 credit**
The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

5944

Practicum in Health Science – Emergency Medical Technician

Grades: 12

2 credits

Prerequisites: Principles of Health Science, Medical Terminology, and Health Science Theory

Class held at MHS. 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.

5954

Practicum in Health Science – Pharmacy Technician

Grades: 12

2 credits

Prerequisites: Principles of Health Science, Medical Terminology, and Health Science Theory

Class held at MHS. 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 a Pharmacy Technician. Because space is limited, an application process is required. This class will include labs in the classroom, and working with local pharmacies. Students may 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 Collision Repair

PROGRAM OF STUDY

Automotive and Collision Repair



Transportation,
Distribution
& Logistics

CAREER CLUSTER

Transportation, Distribution & Logistics

PROGRAM OF STUDY

Automotive and Collision Repair

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Small Engine Technology I

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 I

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 Tech fee and option \$20 work shirt.

HUMAN SERVICES



Human
Services

CAREER CLUSTER

Human Services

ENDORSEMENT

Public Service

REGIONAL PROGRAM OF STUDY

Cosmetology and
Personal Care Services

PROGRAM OF STUDY

Cosmetology and Personal Care Services



Human
Service

CAREER CLUSTER

Human Service

REGIONAL PROGRAM OF STUDY

Cosmetology and Personal Care Services

ENDORSEMENT

Public Service

COURSES

LEVEL 2

Introduction to Cosmetology

1.0 Credit

LEVEL 3

Cosmetology I

2.0 Credits

LEVEL 4

Cosmetology II
with lab

3.0 Credits

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 Credits

LEVEL 3

Advanced Culinary Arts

2.0 Credits

LEVEL 4

Food Science

1.0 Credit

Certifications:

Food Protection Manager

Certifying Entity:

Always Food Safe

- 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: Biology and Chemistry
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

Agricultural Technology and Mechanical Systems

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

0.5 Credit

Equine Science

0.5 Credit**LEVEL 3**

Livestock Production

1.0 Credit**LEVEL 4**

Veterinary Medical Applications

1.0 Credit

Practicum in Agriculture, Food, and Natural Resources

2.0 Credits

Advanced Animal Science

1.0 Credit

Certifications:

Certified Veterinary Assistant
Elanco Fundamentals of Animal Science
Elanco VetMed Applications

- 8404** **Principles of Agriculture 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** **Veterinary Medical 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

Advanced Animal Science

Grades: 11, 12

1 credit

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

Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences.

8244

Practicum in Agriculture, Food & Natural Resources

Grades: 12

2 credits

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

Agricultural Technology and Mechanical Systems



CAREER CLUSTER

Agriculture, Food, and Natural Resources

PROGRAM OF STUDY

Agricultural Technology and Mechanical Systems

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
& Metal Technologies

1.0 Credit

LEVEL 3

Agricultural Structures Design &
Fabrication/Welding I

1.0 Credit

LEVEL 4

Agriculture Equipment Design &
Fabrication/Welding II

2.0 Credits

Agriculture Equipment Design & Fabrication

1.0 Credit

Certifications:

AWS Welding

Certifying Entity:

American Welding Society
Exam Name: Certified Welder

- 8404** **Principles of Agriculture 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** **Agriculture Mechanics & Metal Technologies/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** **Agriculture Structures, & Fabrication/Welding 1**
Grades: 11, 12 **1 credit**
Prerequisites: Agriculture 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** **Agriculture Equipment Design & Fabrication/Welding 2**
Grades: 12 **2 credits**
Prerequisites: Agriculture Mechanics/Intro to Welding and Agriculture 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.
- 8504** **Agriculture Equipment Design & Fabrication**
Grade: 12 **1 credit**
In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment.

PATHWAY

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

Practicum in Ag, Food & Natural Resources

2.0 Credits

Certifications:

Texas State Floral Association - Knowledge-Based Certification
 Texas State Floral Association Level One Floral Certification
 Texas State Floral Association Level Two Floral Certification
 BASF Plant Science Certification
 Principles of Floral Design Certification - Benz

Certifying Entity:

Texas State Florists' Association
 i CEV



- 8404** **Principles of Agriculture 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
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**
Recommended Prerequisite: Advanced Floral
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.
- 8244** **Practicum in Agriculture, Food & Natural Resources**
Grades: 12 **2 credits**
Prerequisites: Advanced Floral Design
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.

ARCHITECTURE & CONSTRUCTION

Architecture &



Construction

CAREER CLUSTER

Architecture & Construction

ENDORSEMENT

Business/Industry

PROGRAMS OF STUDY

Architectural Drafting & Design
HVAC and Sheet Metal

PROGRAM OF STUDY Architectural Drafting & Design

Architecture &



Construction

CAREER CLUSTER

Architecture & Construction

PROGRAM OF STUDY

Architectural Drafting & Design

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Architecture (Local Speech Credit)

1.0 Credit

LEVEL 2

Architectural Design I

1.0 Credit

LEVEL 3

Architectural Design II

2.0 Credits

Certifications:

Autodesk User, in AutoCAD
Autodesk User in Revit Architecture

Certifying Entity:

Autodesk

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

Architectural 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.

8434

Architectural Design 2

Grades: 11, 12

2 credits

Prerequisite: Architectural Design 1 and Geometry

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**LEVEL 2**

HVAC and Refrigeration Technology I

1.0 Credit**LEVEL 3**

HVAC and Refrigeration Technology II

2.0 Credit

Certifications:

Refrigerant Handling

Certifying Entity:

Texas Department of Licensing and Regulation

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.

8584

HVAC and Refrigeration Technology I

Grades: 10 - 12 1 credit

Prerequisite: Principles of Construction

In Heating, Ventilation, and Air Conditioning and Refrigeration Technology I, students will gain knowledge and skills needed to enter the industry as technicians in the HVAC and refrigeration industry or building maintenance industry, prepare for a postsecondary degree in a specified field of construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, principles of HVAC theory, use of tools, codes, and installation of HVAC and refrigeration equipment.

8684

HVAC and Refrigeration Technology II

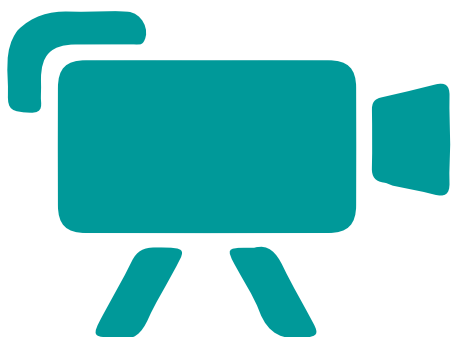
Grades: 11 - 12 1 credit

Prerequisite: HVAC and Refrigeration Technology I

In Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II, students will gain advanced knowledge and skills needed to enter the industry as HVAC and refrigeration technicians or building maintenance technicians or supervisors, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, use of tools, codes, installation of commercial HVAC equipment, heat pumps, troubleshooting techniques, various duct systems, and maintenance practices.

ARTS, A/V TECHNOLOGY & COMMUNICATION

Arts, A/V Technology



Communication

CAREER CLUSTER

Arts, A/V Technology
& Communication

ENDORSEMENT

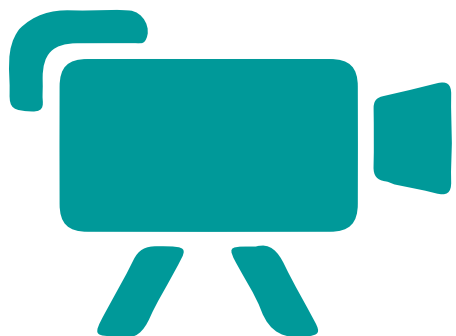
Business/Industry

PROGRAM OF STUDY

Digital Communications
Graphic Design & Interactive Media

PROGRAM OF STUDY Digital Communications

Arts, A/V Technology



Communication

CAREER CLUSTER

Arts, A/V Technology
& Communication

PROGRAM OF STUDY

Digital Communications

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Arts, 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 Credits**

LEVEL 4

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

Certifications:

Adobe Certified Professional in Digital Video Using Adobe Premier Pro
Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator
Adobe Certified Professional in Print and Digital Media Using Adobe InDesign
Adobe Certified Professional in Visual Design Using Adobe Photoshop

Certifying Entity:

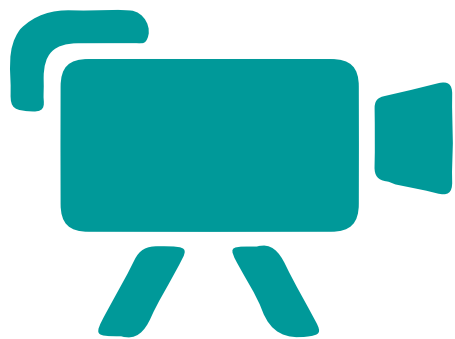
Adobe

- 1744** **Principles of Arts, 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 Arts, 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.
- 17644** **Audio/Video Production II with Lab**
Grades: 11, 12 **2 credits**
Prerequisites: AV Production 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 Production 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 & Interactive Media

Arts, A/V Technology



Communication

ANIMATION

CAREER CLUSTER

Arts, A/V Technology
& Communication

PROGRAM OF STUDY

Graphic Design & Interactive Media

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Video Game Design
Principles of Arts, AV, Technology & Communication

1.0 Credit

1.0 Credit

LEVEL 2

Animation I

1.0 Credit

LEVEL 3

Animation II w/lab

2.0 Credits



are paired with local business owners or employers in their specific industry program of study.

1744

Principles of Arts, 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 HB5.

8604

Video Game Design

Grades: 10, 11, 12

1 credit

Recommended Prerequisite: Principles of Arts, A/V Technology and Communications

Students will be provided the opportunity to design, program, and create a functional video game.

6104

Animation

Grades: 11, 12

1 credit

Recommended Prerequisite: Principles of Arts, A/V Technology and Communications

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

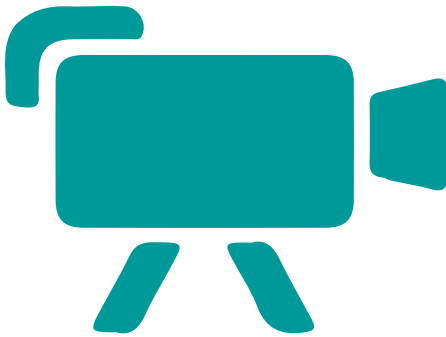
In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to create two-and-three dimensional animations. The instruction also assists students seeking careers in the animation industry. 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.

PROGRAM OF STUDY

Graphic Design & Interactive Media

FASHION DESIGN

Arts, A/V Technology



Communication

CAREER CLUSTER

Arts, A/V Technology
& Communication

PROGRAM OF STUDY

Graphic Design & Interactive Media

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

Principles of Arts, A/V Technology & Communication (Local Speech Credit) **1.0 Credit**

LEVEL 2

Fashion Design I **1.0 Credit**

LEVEL 3

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

LEVEL 4

Practicum in Entrepreneurship **2.0 Credits**

Certifications:

Adobe Certified Professional in Digital Video Using Adobe Premier Pro
 Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator
 Adobe Certified Professional in Print and Digital Media Using Adobe InDesign
 Adobe Certified Professional in Visual Design Using Adobe Photoshop

Certifying Entity:

Adobe

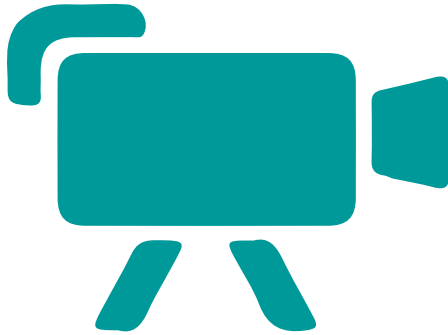
- 1744** **Principles of Arts, A/V Technology and Communications**
Grades: 9, 10, 11, 12 **1 credit**
The goal of this course is for the student to understand art, audio/video technology, and communications systems. Within this context, students will be expected to develop an understanding of the various 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**
Recommended Prerequisite: Principles of Arts, A/V Technology and Communications
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.
- 84424** **Practicum of Entrepreneurship**
Grades: 12 **2 credits**
Prerequisite: Fashion Design II
The Practicum in Entrepreneurship provides students the opportunity to apply classroom learnings and experiences to real-world business problems and opportunities, while expanding their skill sets and professional relationships as a real or simulated business owner versus the experience one would have as an employee. Students will prepare for an entrepreneurial career in their area of interest in their career cluster and build on and apply the knowledge and skills gained from courses taken in an array of career area. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of the student's need for work-based learning experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition into the workforce or postsecondary education. It is recommended that students

PROGRAM OF STUDY

Graphic Design & Interactive Media

YEARBOOK

Arts, A/V Technology



Communication

CAREER CLUSTERArts, A/V Technology
& Communication**PROGRAM OF STUDY**

Graphic Design & Interactive Arts

ENDORSEMENT

Business/Industry

COURSES**LEVEL 1**Principles of Arts, A/V Technology & Communications (Local Speech Credit) **1.0 Credit****LEVEL 2**Graphic Design and Illustration I **1.0 Credit****LEVEL 3**Graphic Design and Illustration II **1.0 Credit****LEVEL 4**Digital Art and Animation **1.0 Credit**Practicum in Graphic Design and Illustration **2.0 Credits****Certifications:**

Adobe Certified Professional in Digital Video Using Adobe Premier Pro
 Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator
 Adobe Certified Professional in Print and Digital Media Using Adobe InDesign
 Adobe Certified Professional in Visual Design Using Adobe Photoshop

Certifying Entity:

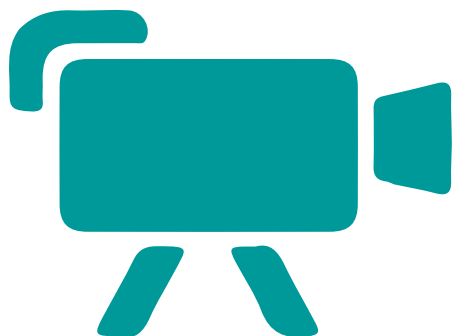
Adobe

- 1744** **Principles of Arts, 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.
- 7704** **Graphic Design and Illustration I**
Grades: 10, 11, 12 **1 credit**
Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.
- 7714** **Graphic Design and Illustration II**
Grades: 11, 12 **1 credit**
Within this context, students will be expected to develop and advanced understanding of the industry with a focus on mastery of content knowledge and skills.
- 7724** **Practicum in Graphic Design and Illustration**
Grade: 12 **2 credits**
Prerequisite: Graphic Design and Illustration II
In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.
- 7094** **Digital Art and Animation**
Grades: 10, 11, 12 **1 credit**
Digital Art and Animation consists of computer images and animations created with digital imaging software. Digital Art and Animation has applications in many careers, including graphic design, advertising, web design, animation, corporate communications, illustration, character development, script writing, storyboarding, directing, producing, inking, project management, editing, and the magazine, television, film, and game industries. Students in this course will produce various real-world projects and animations. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving and decision making; digital citizenship; and technology operations and concepts.

PROGRAM OF STUDY

Graphic Design & Interactive Media

Arts, A/V Technology



Communication

PHOTO JOURNALISM

CAREER CLUSTER

Arts, A/V Technology
& Communication

PROGRAM OF STUDY

Graphic Design & Interactive Media

ENDORSEMENT

Business/Industry

COURSES

LEVEL 1

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

LEVEL 2

Commercial Photography I **1.0 Credit**

LEVEL 3

Commercial Photography II **1.0 Credit**

LEVEL 4

Practicum in Commercial Photography **2.0 Credits**

Digital Art and Animation **1.0 Credit**

Certifications:

Adobe Certified Professional in Digital Video Using Adobe Premier Pro
Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator
Adobe Certified Professional in Print and Digital Media Using Adobe InDesign
Adobe Certified Professional in Visual Design Using Adobe Photoshop

Certifying Entity:

Adobe

- 1744** **Principles of Arts, 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.
- 7804** **Commercial Photography I**
Grades: 10, 11, 12 **1 credit**
In addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs. Districts are encouraged to offer this lab in a consecutive block with Commercial Photography I to allow students sufficient time to master the content of both courses.
- 7814** **Commercial Photography II**
Grades: 11, 12 **1 credit**
In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs.
- 7824** **Practicum in Commercial Photography**
Grade: 12 **2 credits**
Prerequisite: Commercial Photography II
In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences of career preparation.
- 7094** **Digital Art and Animation**
Grades: 10, 11, 12 **1 credit**
Digital Arts and Animation consists of computer images and animations created with digital imaging software. Digital Art and Animation has applications in many careers, including graphic design, advertising, web design, animation, corporate communications, illustration, character development, script writing, storyboarding, directing, producing, inking, project management, editing, and the magazine, television, film, and game industries. Students in this course will produce various real-world projects and animations. The six strands include

creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving and decision making; digital citizenship; and technology operations and concepts.

EDUCATION & TRAINING



Education &
Training

CAREER CLUSTER

Education & Training

ENDORSEMENT

Public Service

PROGRAM OF STUDY

Early Learning

PROGRAM OF STUDY

Early Learning



Education &
Training

CAREER CLUSTER

Education & Training

PROGRAM OF STUDY

Early Learning

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 Child Guidance	2.0 Credits
LEVEL 4 Practicum in Early Learning	2.0 Credits

Certifications: Early Childhood Education and Care - Basics

Certifying Entity: NOCTI



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.

8234

Child Guidance

Grades: 11, 12 2 credits

Child Guidance is a technical laboratory course that addresses the knowledge and skills related to child growth and guidance equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs. Instruction may be delivered through school-based laboratory training or through work-based delivery arrangements such as cooperative education, mentoring, and job shadowing.

82344

Practicum in Early Learning

Grades: 12 2 credits

Prerequisite: Child Guidance

Practicum in Early Learning is a field-based course that provides students background knowledge of early childhood development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher facilitator and an exemplary industry professional. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of early learning teachers, trainers, paraprofessionals, or other educational personnel.

BUSINESS, MARKETING & FINANCE

Business, Marketing



& Finance

CAREER CLUSTER

Business, Marketing & Finance

ENDORSEMENT

Business/Industry

PROGRAM OF STUDY

Business Management
Marketing & Sales

PROGRAM OF STUDY**Business Management**

Business, Marketing



& Finance

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

Business Law

1.0 Credit**LEVEL 3**

Business Management

1.0 Credit

Global Business

0.5 Credit

Human Resources Management

0.5 Credit**LEVEL 4**

Practicum in Business Management

2.0 Credits

Statistics and Business Decision Making

1.0 Credits

Certifications:

Entrepreneurship & Small Business

Certifying Entity:

Certiport

- 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.
- 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.
- 6074** **Business Law**
Grades: 10, 11, 12 **1 credit**
Prerequisite: Fashion Design II
Global Business is designed for students to analyze various aspects of the legal environment, including ethics, the judicial system, contracts, personal property, sales, negotiable instruments, agency and employment, business organization, risk management, and real property.
- 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.
- 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.
- 6224** **Human Resources Management**
Grades: 10, 11, 12 **0.5 credit**
Human resources Management is designed to familiarize students with the concepts related to human resource management, including legal requirements, recruitment, employee selection methods, and employee development and evaluation. Students will also become familiar with compensation and benefits programs as well as workplace safety, employee-management relations, and the impact of global events on human resources management.

Practicum in Business Management

2 credits

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.

Statistics and Small Business Decision Making

1 credit

Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.

PROGRAM OF STUDY

Marketing & Sales

Business, Marketing



& Finance

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

Sports & Entertainment Marketing
Virtual Business

0.5 Credit
0.5 Credit

LEVEL 3

Social Media Marketing
Advertising

0.5 Credit
0.5 Credit

LEVEL 4

Practicum in Marketing
Retail Management

2.0 Credits
1.0 Credits

Certifications:

Social Media Marketing Certification
Entrepreneurship & Small Business

Certifying Entity:

Stukent
Certiport



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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.
- 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.
- 7204** **Advertising**
Grades: 10, 11, 12 **0.5 credit**
Advertising is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated marketing communications and careers in advertising and sales promotion. The course provides an overview of how communication tools can be used to reach target audience and increase consumer knowledge.

8964

Practicum in Marketing

Grades: 12

2 credits

Prerequisite: 2 credits in Marketing & Sales Program of Study

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.

7100

Retail Management

Grades: 11, 12

1 credit

Retail Management focuses on the distribution and selling of products to consumers using various vending points such as chain stores, department stores, stand-alone stores, and various online markets. The course highlights the everyday mechanisms necessary to operate a successful retail establishment. The student is taught to evaluate methods for promoting merchandise, supervising employees, handling customer needs, and maintaining inventories.



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.
- 4454** **AP Computer Science**
Grades: 11, 12 **1 credit**
Recommended Prerequisite: Algebra I and Computer Science I Advanced
Content requirements for Advanced Placement (AP) Computer Science A are prescribed in the College Board Publication Advanced Placement Course Description: Computer Science A, published by The College Board.