



# HIGH SCHOOL COURSE CATALOG 2024-2025



**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

<b>Grades 6-7</b>	Begin to investigate college/career goals and objectives.
<b>Grade 8</b>	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.
<b>Grade 9</b>	Re-evaluate career goals and objectives. Review academic four-year plan and begin building a high school resume. Research colleges and universities of interest.
<b>Grade 10</b>	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.
<b>Grade 11</b>	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.
<b>Grade 12</b>	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](http://www.collegeforalltexas.com)
- [www.achievetexas.org](http://www.achievetexas.org)
- [www.fafsa.ed.gov](http://www.fafsa.ed.gov)
- [www.collegeboard.org](http://www.collegeboard.org)
- [www.act.org](http://www.act.org)
- [www.ncaa.org](http://www.ncaa.org)

## CHARACTERISTICS OF AN ADVANCED ACADEMICS STUDENT

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

CONTENT AREA	ON-LEVEL COURSE FOCUS	ADVANCED COURSE FOCUS
<b>ENGLISH</b>	<ul style="list-style-type: none"> <li>● Foundational Language Skills</li> <li>● Reading Comprehension</li> <li>● Response Skills</li> <li>● Multiple Genres</li> <li>● Author's Purpose</li> <li>● Composition Skills</li> <li>● Inquiry and Research</li> </ul>	<ul style="list-style-type: none"> <li>● Required, outside of class reading</li> <li>● Timed Writing Assessments</li> <li>● Oral Presentations (individual and small group)</li> <li>● Performance-based Assessments</li> <li>● Inquiry and Research Projects</li> <li>● PSAT Vocabulary-Focus on 7th and 8th grade</li> </ul>
<b>SCIENCE</b>	<ul style="list-style-type: none"> <li>● Essential science standards</li> <li>● Laboratory Activities with lab reports</li> <li>● Some projects</li> <li>● More teacher guidance</li> </ul>	<ul style="list-style-type: none"> <li>● Depth and extensions of science standard</li> <li>● Increased amount of reading and lab reports</li> <li>● Independent projects and/or Science Fair</li> <li>● Less teacher guidance</li> <li>● Students with special Interest in Science</li> </ul>
<b>SOCIAL STUDIES</b>	<ul style="list-style-type: none"> <li>● Course Standards (course specific) including geographic patterns and development</li> <li>● Appreciation of racial and ethnic contributions</li> <li>● Understanding of struggle for independence</li> <li>● Analyzing economic, political, and cultural conditions</li> <li>● Developing critical thinking skills</li> </ul>	<ul style="list-style-type: none"> <li>● Highly motivated by and interested in History</li> <li>● Outside reading requirements with class discussion</li> <li>● Oral and written presentations and projects</li> <li>● In-depth research</li> <li>● Social, political, and economic events</li> <li>● International awareness</li> </ul>



### Advanced Academics Program Comparison

	<b>International Baccalaureate</b>	<b>Advanced Placement (AP)</b>	<b>Dual Credit</b>	<b>Dual Enrollment (UT OnRamps)</b>
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.



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English Language Arts





## English Language Arts Courses

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



1234

**English 2 Advanced**

**Grades: 10**

**1 credit**

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

1324

**English 3**

**Grades: 11**

**1 credit**

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

1324DNH

**English 3 Dual Credit (1301/1302)**

**Grades: 11**

**1 credit**

**Prerequisites: Lone Star College Application and TSI Assessment**

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

1344

**English 3 AP**

**Grades: 11**

**1 credit**

*This course extends beyond the traditional high school curriculum. It leads students to become skilled readers and writers in diverse genres and modes of composition, ultimately enabling students to independently read and understand complex texts and write rich, effective prose in response to those texts. Students will become aware of their own voice and process through self-assessment and evaluations by both peers and the instructor. These skills will allow the student to read critically and write effectively in the college classroom and beyond. Students are required to take the AP exam. Fee is required for the exam.*

1344IB

**English 3 IB**

**Grades: 11**

**1 credit**

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

1424

**English 4**

**Grades: 12**

**1 credit**

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

1424DNH

**English 4 Dual Credit (1301/1302)**

**Grades: 12**

**1 credit**

**Prerequisites: Lone Star College Application and TSI Assessment**

*This course follows the required curriculum for Lone Star College English 1301 and 1302 courses, in addition to TEKS required by the state of Texas for English 4 credit. During the first semester, the reading and writing-intensive composition course focuses on the writing of researched argumentative, expository, and persuasive papers. Analytical reading, critical thinking, and library-based research skills are emphasized. Essays, including an extended documented library research-based paper, are required. The second semester further develops the analytical, thinking, and research skills underlying academic success through the study of literature. Essays, including a second documented library research-based paper, are required. Students earn letter credit for the Lone Star College courses and a numerical grade for English 4 based on both the Lone Star work and the additional English 4 assignments. Upon successful completion of this year-long course, the student will earn six (6) hours of college English credit, as well as high school senior English credit. Registration at Lone Star College is required, along with a reduced fee tuition paid to Lone Star prior to each semester. Students who receive a D or F in any dual credit course will not be permitted to continue in the dual credit program. There are NO high school ranking GPA points given for Dual credit courses.*

14244DNH

**English 4 Dual Credit (2332/2333)**

**Grades: 12**

**1 credit**

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

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



1434 DNH

**UT OnRamps Dual Enrollment: Introduction to Rhetoric (English 4)**

**Grades: 12**

**1 credit**

**Prerequisites: English I, English II, English III**

*This is a dual enrollment course with the University of Texas. This introduction to rhetoric is a writing seminar course in argumentation that situates rhetoric as an art of civic discourse. It is designed to enhance students' ability to research and analyze the various positions held in any public debate and to advocate their own position effectively to a target audience. Students will also explore the ethics of argumentation, explaining what it means to "fairly" represent someone with whom one disagrees or how to responsibly address a community with particular values and interests. This course fulfills the University of Texas at Austin core curriculum requirement for English Composition (Texas core code 010). As a dual enrollment course, students will receive two grades in the course-one from each institution. Enrollment fees apply.*



Mathematics





## Mathematics Courses

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

4124

**Algebra I**

**Grades: 9**

**1 credit**

**Prerequisites: Math Grade 8 or Equivalent**

*Introductory high school mathematics course that includes a study of the language and symbolism of algebra, variables and open sentences, statement problems, polynomials, graphing in the plane, systems of linear equations and inequalities factoring, rational expressions, irrational numbers (radicals), ratio, proportion and variation. **This course requires an EOC exam.***

4224

**Geometry**

**Grades: 9, 10, 11**

**1 credit**

**Prerequisites: Algebra 1**

*Geometry combines elements of plane, solid, and coordinate geometry to clearly illustrate mathematics as a deductive science.*

4234

**Geometry Advanced**

**Grades: 9, 10**

**1 credit**

**Prerequisites: Algebra I**

*The principles of geometry are covered in this rigorous course and extended to prepare students for advanced mathematics. Students will further explore relationships between geometry and other areas of mathematics.*

4324

**Algebra II**

**Grades: 10, 11, 12**

**1 credit**

**Prerequisites: Algebra 1**

*Specific units include review of factoring and simplifying algebraic expressions, systems of equations and inequalities, relations and functions (linear, quadratic, exponential, and logarithmic), exponents and logarithms, sequences and series, and matrices.*

4334

**Algebra II 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.*







4594DNH

**UT OnRamps Dual Enrollment: Statistics**

**Grades 11- 12**

**1 credit**

**Prerequisite: Algebra I, 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



## Science Courses

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

\* courses can have concurrent prerequisite







- 3324**      **Chemistry**  
**Grades: 10, 11, 12**                      **1 credit**  
**Prerequisites: Biology and Algebra I**  
*Chemistry includes the study of the structure, composition and behavior of matter, as well as factors that affect the interaction of matter. Laboratory investigations enhance the emphasis of process skills and laboratory safety. Topics include: characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solutions, thermochemistry, and nuclear chemistry.*
- 3334**      **Chemistry Advanced**  
**Grades: 10, 11**                              **1 credit**  
**Prerequisites: Biology and Algebra I**  
*This is a preparatory course for AP Chemistry and is designed to develop the knowledge and skills necessary to be successful in a first year college chemistry course or IB science courses. Topics include: characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solutions, thermochemistry, and nuclear chemistry. Also including descriptive chemistry and electrochemistry.*
- 3344**      **Chemistry AP**  
**Grades: 11, 12**                              **1 credit**  
**Prerequisites: Biology, Chemistry, Algebra 2**  
*This course is equivalent to an introductory college course in chemistry. The topics covered follow Advanced Placement guidelines and include: atomic structure, balancing chemical equations, stoichiometry, acids and bases, equilibrium, kinetics and periodic trends. Laboratory investigations are required and may be performed 1-2 times per week. **Students are required to take the AP exam. Fee is required for the exam.***
- 33441B**      **Chemistry SL IB**  
**Grades: 11, 12**                              **1 credit**  
**Prerequisites: Biology, Chemistry, Algebra 2**  
*IB Chemistry SL is a college level course that satisfies the requirements and prepares a student to sit for the IB Chemistry SL exam. IB Chemistry SL is also the first course of two if a student intends to sit for the IB Chemistry HL exam. Some topics include: Stoichiometric relationships, atomic structure, periodicity, chemical bonding and structure, Energetics/thermochemistry, chemical kinetics, equilibrium, acids and bases, redox processes, organic chemistry, measurement and data processing, chemical materials, and medicinal chemistry. **Students are required to take the IB exam. Fee is required for the exam.***







3474IB

**Physics 2 IB**

**Grades: 12**

**1 credit**

**Prerequisites: IB Physics I**

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

8484

**Advanced Soil and Plant Science**

**Grades: 11, 12**

**1 credit**

**Prerequisites: Advanced Floral**

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

3714 DNH

**UT OnRamps Dual Enrollment: Introduction to Geosciences**

**Grades: 10, 11, 12**

**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.**



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Social Studies





## Social Studies Courses

Course	Credits	Grade Level	Prerequisites
World Geography	1	9	None
AP Human Geography	1	9	Advanced History Coursework*
World History	1	10	None
AP World History: Modern	1	10	Advanced History Coursework*
U.S. History	1	11	None
AP U.S. History	1	11	Advanced History Coursework*
Dual Credit U. S. History	1	11	Lone Star Application and TSI Assessment (1301 & 1302)
IB History of the Americas	1	11	Advanced History Coursework*
IB History of the 20th Century	1	12	IB History of the Americas
United States Government	0.5	12	None
AP United States Government	0.5	12	Advanced History Coursework*
Dual Credit Government	0.5	12	Lone Star Application and TSI Assessment (2305)
Economics	0.5	12	None
AP Macroeconomics	0.5	12	Advanced History Coursework*
IB Philosophy	1	11-12	Advanced History Coursework*
Psychology	0.5	10-12	None
Sociology	0.5	10-12	None
AP Psychology	1	11-12	Advanced History Coursework*
IB Psychology	1	11-12	Advanced History Coursework*
IB Theory of Knowledge	1	11-12	IB Diploma Student
Personal Financial Literacy	0.5	10-12	None
Personal Financial Literacy/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 focuses on the distribution, processes, and effects of human populations on the planet. The course provides a systematic study of human geography, including the following topics outlined in the course description: Nature of and Perspectives on Geography, Population, Cultural Patterns and Processes, Political Organization of Space, Agricultural and Rural Land Use, Industrialization and Economic Development, Cities and Urban Land Use. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also gain knowledge of the methods and tools geographers use in their science and practice. **Students are required to take the AP exam. Fee is required for the exam.***

2224

**World History**

**Grades: 10**

**1 credit**

*World History Studies is a survey of the history of humankind. Due to the expanse of world history and the time limitations of the school year, the scope of this course will focus on "essential" concepts and skills that can be applied to various eras, events, and people. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Students analyze and evaluate the impact of geographic, social, political, cultural and technological factors on major historic events. Learned skills include analysis of maps and graphs, interpreting various sources for historical inquiry and research, and connecting historical events to current events.*

2244

**World History AP**

**Grades: 10**

**1 credit**

**Suggested Prerequisite: Advanced History coursework**

*AP World History focuses on developing students' abilities to think conceptually about world history from approximately 8000 BCE to the present and apply historical thinking skills as well as analysis of secondary and primary sources, historical interpretation, writing and research. Five themes of equal importance — focusing on the environment, cultures, state-building, economic systems, and social structures — provide areas of historical inquiry for investigation throughout the course. AP World History encompasses the history of Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and processes that cross multiple regions. **Students are required to take the AP exam. Fee is required for the exam.***

2324

**U.S. History**

**Grades: 11**

**1 credit**

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

2324IB

**History of the Americas HL IB**

**Grades: 11**

**1 credit**

**Suggested Prerequisite: Advanced History coursework**

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

2334

**U.S. History AP**

**Grades: 11**

**1 credit**

**Suggested Prerequisite: Advanced History coursework**

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





2612

**Special Topics--Current Events**

**Grades 11, 12**

**0.5 Credit**

*This course will provide students the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world through current events. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches with content focusing on a variety of local, national and international events.*

2622

**Psychology**

**Grades: 10, 11, 12**

**0.5 credit**

*This course focuses on individual behavior and why an individual thinks, feels, and reacts to certain stimuli. Major 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. **Students are required to take the AP exam. Fee is required for the exam.***

- 2824IB**      **Psychology IB SL**  
**Grades: 11, 12**                      **1 credit**  
**Suggested Prerequisite: Advanced Social Studies coursework**  
*This course prepares the student to be successful on the IB Psychology SL exam. Psychology is examined from the Biological, Cognitive and Sociocultural levels of analysis. Abnormal Psychology is also examined. In addition, students will complete the Internal Assessment component of the IB requirement.*  
*Students who enroll in this class must complete the IB Psychology exam. This course is a social studies elective credit. **Students are required to take the IB exam. Fee is required for the exam.***
- 2834IB**      **Psychology IB HL**  
**Grades: 12**                              **1 credit**  
**Prerequisites: IB Psychology SL**  
*This course prepares the student to be successful on the IB Psychology HL exam. Topics include: research methods, health psychology, sport psychology, human relationships, and developmental psychology. Students will submit a modified version of the internal assessment completed in IB Psychology SL. This course is a social studies elective credit. **Students are required to take the IB exam. Fee is required for the test.***
- 2832IB**      **Theory of Knowledge IB**  
**Grades: 11**                              **0.5 credit**  
**Prerequisites: IB Diploma Student**  
*Theory of knowledge (TOK) is a course that investigates the nature of knowledge itself and our relationship to it. As a thoughtful and purposeful inquiry into knowledge, TOK is composed almost entirely of questions. The course reflects Critically on diverse ways of knowing and on areas of knowledge and considers the role and nature of knowledge in their own culture and the cultures of others. TOK prompts students to be aware of themselves as thinkers, encouraging them to become more acquainted with the complexity of knowledge, and the need to act responsibly in an increasingly interconnected but uncertain world. TOK is only for IB diploma students.*
- 28354IB**      **Philosophy IB SL**  
**Grades: 11, 12**                      **1 Credit**  
**Suggested Prerequisite: Advanced Social Studies coursework**  
*This course needs IB Coordinator Approval.*
- 28364IB**      **Philosophy IB HL**  
**Grades: 12**                              **1 Credit**  
**Prerequisite: Philosophy SL**  
*This course prepares the student to be successful on the IB Philosophy HL exam at the end of the year. Philosophy HL includes building on topics previously studied in Philosophy SL, an in depth study of a second branch of philosophy, an in depth study of a second single work of philosophy. The course also includes a deeper exploration of the nature, function, meaning and methodology of philosophy. **Students who enroll in this class must complete the IB Philosophy HL exam. A fee is required for the exam.***







**MAGNOLIA**  
INDEPENDENT SCHOOL DISTRICT

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World Languages



## World Language Courses

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







- 1564Q**      **French 2 Advanced**  
**Grades: 10, 11, 12**                      **1 credit**  
**Prerequisites: French 1**  
*Advanced intermediate course that presents readings of progressive difficulty, allowing for both discussion and the writing of essays on related topics –the course emphasizes style, the understanding of short literary texts and composition in French.*
- 1574IB**      **French 3 Advanced**  
**Grades: 11, 12**                      **1 credit**  
**Prerequisites: French 2 Advanced (recommended), French 2**  
*Course involves further study of speaking, listening, reading and writing in French, with French as the exclusive means of communication. Intensive course offers students a thorough grounding in basic French grammar, with particular emphasis on oral expression.*
- 1584**      **French 4 AP**  
**Grades: 12**                      **1 credit**  
**Prerequisites: French 3 Advanced**  
*Advanced review of French grammar emphasizing oral expression and communication in French - there is an overview of several Francophone authors and French history. Students are required to take the AP exam. Fee is required for the exam.*
- 1584IB**      **French 4 IB**  
**Grades: 12**                      **1 credit**  
**Prerequisites: French 3 Advanced**  
*This course offers an in depth study of the language, particularly emphasizing the skills of speaking, listening comprehension, reading, writing, and cultural literacy. Literary selections will provide a springboard for discussion of thematic topics such as modern society, contemporary issues, culture and history, and will prepare students for the IB exam. Classes will focus on interactive, interpretive, and presentational skills, and authentic texts and literary works will be introduced as readings. Students will also engage in research and extended writing activities, such as journals, creative writing, multimedia presentations, and compositions. Language study at these levels emphasizes reading strategies, writing for a variety of formats, vocabulary-building, and narrative oral skills. Instruction, class, discussion, and assignments will be in the target language. The use of the English language will be very limited in the course. Students are required to take the IB exam. Fee is required for the exam.*
- 1554IB**      **French AB Initio 1 IB**  
**Grades: 11, 12**                      **1 credit**  
*This course is for students with no previous formal experience of learning French or whose main interests lie outside the field of foreign language. It will enable you to communicate with people from a new culture. French ab initio SL not only covers essential vocabulary and grammar, but key elements of French life and culture such as food, leisure, family relationships and entertainment. In order to take the IB French Abinitio exam: A student with no French experience must take Ab initio for two years A student who has taken French I and French II can take ab initio for one year. Students are required to take the IB exam. Fee is required for the exam.*

**1564IB**

**French AB Initio 2 IB**

**Grades: 12**

**1 credit**

**Prerequisites: French AB Initio 1 IB**

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



Fine Arts





### Fine Arts Courses

Course	Area	Credit	Grade Level	Prerequisites
Portfolio Studio Art	Art	1	8	7 <sup>th</sup> 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
AP Art 4 Studio Art	Art	1	12	Art 3 Studio Advanced
AP Art 4 Drawing	Art	1	12	Art 3 Studio Advanced
AP Art History	Art	1	11-12	
Theatre Arts 1	Theatre	1	9-12	
Theatre Production 1-4	Theatre	1	9-12	Teacher approval
Tech Theatre 1-4	Theatre	1	10-12	
Concert Band	Band	1	9-12	Prior band experience, audition, and director approval
Drumline	Band	1		
Jazz Ensemble	Band	1		
Front Ensemble	Band	1		
Symphonic Band	Band	1		
Wind Ensemble	Band	1		
Color Guard	Band	1	9-12	Audition
Tenor/Bass Choir	Choir	1	9-12	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	
AP Music Theory	Music	1	11-12	
IB Music 1	Music	1	11	Coordinator Approval
IB Music 2	Music	1	12	IB Music 1

J7114

**Portfolio Studio Art Class**

**Grade: 8**

**1 credit**

**Prerequisites: 7<sup>th</sup> 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 I IB**

**Grades: 11**

**1 credit**

**Prerequisites: Teacher or Coordinator approval**

*This is the first of a two year course that 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.*

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.*

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

**Drumline 1, 2, 3, 4**

5724D

**Grades 9, 10, 11, 12**

**1 credit**

5734D

**Prerequisites: Prior band experience, audition, and director approval 5744D**

*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.*

- 5714JZ**      **Jazz Ensemble**  
**5724JZ**      **Grades 9, 10, 11, 12**                      **1 credit**  
**5734JZ**      **Prerequisites: Prior band experience, audition, and director approval**  
**5744JZ**      *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.*
- 5714FE**      **Front Ensemble 1, 2, 3, 4**  
**5724FE**      **Grades 9, 10, 11, 12**                      **1 credit**  
**5734FE**      **Prerequisites: Prior band experience, audition, and director approval 5744FE**  
*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.*
- 5714S**      **Symphonic Band 1, 2, 3, 4**  
**5724S**      **Grades 9, 10, 11, 12**                      **1 credit**  
**5734S**      **Prerequisites: Prior band experience, audition, and director approval 5744S**  
*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.*
- 5714W**      **Wind Ensemble 1, 2, 3, 4**  
**5724W**      **Grades 9, 10, 11, 12**                      **1 credit**  
**5734W**      **Prerequisites: Prior band experience, audition, and director approval 5744W**  
*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.*
- 5754**      **Color Guard**  
**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

**Art I**

**Grades: 9, 10, 11, 12**

**1 credit**

*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.*

7124

**Art 2- 2D Painting/Drawing**

**Grades: 10, 11, 12**

**1 credit**

**Prerequisites: Art 1 or teacher approval**

*Introduction to various drawing techniques and media with emphasis on black and white media such as charcoal, ink, and pencil.*

7154

**Art 2 3D: Sculpting**

**Grades: 10, 11, 12**

**1 credit**

**Prerequisites: Art I**

*Students rely on their perceptions of the environment, developed through increasing visual awareness and sensitivity to surroundings, memory, imagination, and life experiences, as a source for creating artworks.*

7164

**Art 3 Advanced Studio**

**Grades: 11, 12**

**1 credit**

*Introduction to various painting techniques using tempera, watercolor, acrylic, pastels, and paint sticks. Vocabulary, history of painting, and analyzing art work is stressed.*

7084

**Art 4 Studio Art AP**

**Grades; 11, 12**

**1 credit**

**Prerequisites: Art 3 Advanced Studio**

*The advanced placement (AP) studio art program offers the highly motivated student advanced work and experience in 2D design to prepare a portfolio for AP credit. Rigorous work schedule requires student to work in and out of class. Students are required to take the AP exam. Fee is required for the exam.*

7094

**Art 4 Drawing AP**

**Grades: 11, 12**

**1 credit**

*The advanced placement (AP) studio art 4 class offers the highly motivated student advanced work and experience to prepare a portfolio for AP credit. Rigorous work schedule requires student to work in and out of class. Students are required to take the AP exam. Fee is required for the exam and any study guide.*

7194

**Art History AP**

**Grades: 11, 12**

**1 credit**

*Art History is designed to provide an understanding and enjoyment of architecture, sculpture, painting, and other art forms within historical and cultural contexts. Students will examine major forms of artistic expression from the past and present, and from a variety of cultures. Students learn to look at works of art critically, with intelligence and sensitivity, and to articulate what they see or experience. Students are required to take the AP exam. Fee is required for the exam and any study guide.*

7214

**Theatre Arts I**

**Grades 9, 10, 11, 12**

**1 credit**

*This course includes instruction in the expressive use of the body and voice, improvisation, auditioning, stage movement, playwriting, history, technical theatre skills, and appreciation. Students will learn classical acting skills. Students perform in front of an audience of peers and use technical talents and practical applications. This course satisfies the high school speech graduation requirement.*

7264

**Theatre Production 1**

**Grade: 9**

**1 credit**

**Prerequisite: Teacher Approval (JH teacher recommendation)**

*This class is geared towards beginning students interested in theatre extra-curricular performances.*

7274

**Theatre Production 2, 3, 4**

7284

**Grades: 10, 11, 12**

**1 credit**

7294

**Prerequisite: Teacher Approval**

*Practical hands-on experience in acting and stagecraft through the preparation and public performance of play. Course includes acting concepts and skills, theatre production concepts and skills, theatre production concepts and skills, and appreciation of live theatrical events. This course satisfies the high school speech graduation requirement.*

7614

**Technical Theatre 1**

**Grades 10, 11, 12**

**1 credit**

**Prerequisite: Theatre Arts I**

*This class combines theories of design and stagecraft techniques with the construction and operations of various elements of technical theatre. Course includes study of scenery, properties, lighting, costumes, makeup, sound, and public relations.*

**Technical Theatre 2, 3**

7624

**Grades 11, 12**

**1 credit**

7634

**Prerequisite: Theater Arts 1 and Teacher Approval**

*This class combines theories of design and stagecraft techniques with the construction and operations of various elements of technical theatre. Course includes study of scenery, properties, lighting, costumes, makeup, sound, and public relations.*

- 7314T**            **Treble Choir**  
**7324T**            **Grades: 9, 10, 11, 12**                            **1 credit**  
**7334T**            **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**      **IB Music I**  
**Grades 11**  
*Part of the IB Diploma Program*
- 7674IB**      **IB Music 2**  
**Grade 12**  
**Prerequisite: IB MUSIC 1**  
*Part of the IB Diploma Program*

7574

**AP Music Theory**

**Grades: 11, 12**

**1 credit**

**Suggested Prerequisite: Prior music experience (band, choir, class piano, string, and/or keyboard) is strongly encouraged.**

*AP Music Theory is an introductory college-level music theory course. Students cultivate an understanding of music theory through analyzing performed and notated music as they explore concepts like pitch, rhythm, form, and musical design. Students develop ear-training, sight-singing, and compositional skills. A student's ability to read and write musical notation is fundamental to this course. Students are expected to take the AP exam in May. Fees are required for the exam and some course material, such as a study guide.*





Electives



## Journalism Courses

1754

**Audio Video Production I, II**

1764

**Grades: 9, 10, 11, 12**

**1 credit**

**Prerequisites: Must be taken consecutively**

*This course includes a media overview studying journalistic styles, gathering news as well as writing news, feature stories, editorials, and headlines. In addition, students will gain a basic understanding of shot composition, lighting techniques, film making, editing, and script writing. In AV Production 2 students will be expected to publish their own video shorts, and news stories for competitions. In AV Production 3 students will create their own video production portfolio. AV Production 1 meets the Speech credit for House Bill 5.*

1774

**Video Editing**

**Grades: 12**

**1 credit**

**Prerequisites: Teacher recommendation**

*This course serves as the 4th year of Audio Video Production. In addition, students will become proficient in shot composition, lighting techniques, film making, editing, and script writing. Students will be expected to publish their own video shorts, and news stories for competitions. Student will create their own video production portfolio.*

1784IB

**Film 1 IB**

**Grades: 11**

**1 credit**

**Prerequisites: Teacher or Coordinator Approval**

*This course is the first year of a two-year program designed to meet the requirements of the IB Film syllabus. All students must commit to two years of Film class at MHS. Students will pursue a rigorous academic track studying the medium of Film from an artistic, historical, and technical standpoint. All students must complete the IB Film Exam at the end of the second year of the program.*

**1794IB**

**Film 2 IB**

**Grades: 12**

**1 credit**

**Prerequisites: IB Film I**

*This course is the second year of a two-year program designed to meet the requirements of the IB Film syllabus. Students will continue a rigorous academic track studying the medium of Film from an artistic, historical, and technical standpoint. All students must complete the IB Film Exam at the end of the class.*

## Speech & Debate Courses

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

## Physical Education & Athletics Courses

### 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 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.**

**5554**



- 65244**      **Soccer Girls**  
Grades: 9, 10, 11, 12      1 credit  
Prerequisites: Coach approval
- 65254**      **Soccer Boys**  
Grades: 9, 10, 11, 12      1 credit  
Prerequisites: Coach approval
- 65264**      **Swim**  
Grades: 9, 10, 11, 12      1 credit  
Prerequisites: Coach approval  
*This is a competition swimming class.*
- 65274**      **Swim/Dive**  
Grades: 9, 10, 11, 12      1 credit  
Prerequisites: Coach approval  
*This is a competition swimming and diving class.*
- 65284**      **Golf**  
Grades: 9, 10, 11, 12      1 credit  
Prerequisites: Coach approval
- 65294**      **Tennis**  
Grades: 9, 10, 11, 12      1 credit  
Prerequisites: Coach approval
- 65304**      **Softball**  
Grades: 9, 10, 11, 12      1 credit  
Prerequisites: Coach approval
- 65314**      **Baseball**  
Grades: 9, 10, 11, 12      1 credit  
Prerequisites: Coach approval
- 65324**      **Cross Country**  
Grades: 9, 10, 11, 12      1 credit  
Prerequisites: Coach approval
- 65334**      **Athletic Training**  
Grades: 9, 10, 11, 12      1 credit  
Prerequisites: Tryouts & teacher recommendation  
*This is a sports medicine course designed to enhance the curriculum for students interested in a medical career path. Students are required to put in extra hours after school. Students must meet eligibility requirements and selection is determined by tryouts and director approval.*

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.*

7914

**ACADEC 1, 2, 3, 4**

7924

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

7934

**Prerequisites: Sponsor approval**

7944

*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. 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 6<sup>th</sup>/7<sup>th</sup> 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.**

### **Information NCAA Eligibility for College Sports**

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

[www.eligibilitycenter.org](http://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://www.magnoliaisd.org/theu)

[http://mwhs.magnoliaisd.org/apps/pages/index.jsp?uREC\\_ID=426262&type=u&pREC\\_ID=6021](http://mwhs.magnoliaisd.org/apps/pages/index.jsp?uREC_ID=426262&type=u&pREC_ID=6021)

31

### **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 2<sup>nd</sup> course from groups 1-5)

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

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

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

Course Name	Credits	Grade Levels	Recommended/Required Prerequisites
<b>GROUP 1</b>			
IB English HL	2	11 and 12	English II
<b>GROUP 2</b>			
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
<b>GROUP 3</b>			
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
<b>GROUP 4</b>			
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
<b>GROUP 5</b>			
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
<b>GROUP 6</b>			
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

### 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

<b>Grades 6-7</b>	Begin to investigate college/career goals and objectives.
<b>Grade 8</b>	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.
<b>Grade 9</b>	Re-evaluate career goals and objectives. Review academic four-year plan and begin building a high school resume. Research colleges and universities of interest.
<b>Grade 10</b>	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.
<b>Grade 11</b>	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.
<b>Grade 12</b>	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](http://www.collegeforalltexas.com)
- [www.achievetexas.org](http://www.achievetexas.org)
- [www.fafsa.ed.gov](http://www.fafsa.ed.gov)
- [www.collegeboard.org](http://www.collegeboard.org)
- [www.act.org](http://www.act.org)
- [www.ncaa.org](http://www.ncaa.org)

## CHARACTERISTICS OF AN ADVANCED ACADEMICS STUDENT

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

## Differences between on-level and advanced courses/expectations

CONTENT AREA	ON-LEVEL COURSE FOCUS	ADVANCED COURSE FOCUS
<b>ENGLISH</b>	<ul style="list-style-type: none"> <li>● Foundational Language Skills</li> <li>● Reading Comprehension</li> <li>● Response Skills</li> <li>● Multiple Genres</li> <li>● Author's Purpose</li> <li>● Composition Skills</li> <li>● Inquiry and Research</li> </ul>	<ul style="list-style-type: none"> <li>● Required, outside of class reading</li> <li>● Timed Writing Assessments</li> <li>● Oral Presentations (individual and small group)</li> <li>● Performance-based Assessments</li> <li>● Inquiry and Research Projects</li> <li>● PSAT Vocabulary-Focus on 7th and 8th grade</li> </ul>
<b>SCIENCE</b>	<ul style="list-style-type: none"> <li>● Essential science standards</li> <li>● Laboratory Activities with lab reports</li> <li>● Some projects</li> <li>● More teacher guidance</li> </ul>	<ul style="list-style-type: none"> <li>● Depth and extensions of science standard</li> <li>● Increased amount of reading and lab reports</li> <li>● Independent projects and/or Science Fair</li> <li>● Less teacher guidance</li> <li>● Students with special Interest in Science</li> </ul>
<b>SOCIAL STUDIES</b>	<ul style="list-style-type: none"> <li>● Course Standards (course specific) including geographic patterns and development</li> <li>● Appreciation of racial and ethnic contributions</li> <li>● Understanding of struggle for independence</li> <li>● Analyzing economic, political, and cultural conditions</li> <li>● Developing critical thinking skills</li> </ul>	<ul style="list-style-type: none"> <li>● Highly motivated by and interested in History</li> <li>● Outside reading requirements with class discussion</li> <li>● Oral and written presentations and projects</li> <li>● In-depth research</li> <li>● Social, political, and economic events</li> <li>● International awareness</li> </ul>



### Advanced Academics Program Comparison

	<b>International Baccalaureate</b>	<b>Advanced Placement (AP)</b>	<b>Dual Credit</b>	<b>Dual Enrollment (UT OnRamps)</b>
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.



**MAGNOLIA**  
INDEPENDENT SCHOOL DISTRICT

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English Language Arts



## English Language Arts Courses

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



1234

**English 2 Advanced**

**Grades: 10**

**1 credit**

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

1324

**English 3**

**Grades: 11**

**1 credit**

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

1324DNH

**English 3 Dual Credit (1301/1302)**

**Grades: 11**

**1 credit**

**Prerequisites: Lone Star College Application and TSI Assessment**

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



1344

**English 3 AP**

**Grades: 11**

**1 credit**

*This course extends beyond the traditional high school curriculum. It leads students to become skilled readers and writers in diverse genres and modes of composition, ultimately enabling students to independently read and understand complex texts and write rich, effective prose in response to those texts. Students will become aware of their own voice and process through self-assessment and evaluations by both peers and the instructor. These skills will allow the student to read critically and write effectively in the college classroom and beyond. Students are required to take the AP exam. Fee is required for the exam.*

1344IB

**English 3 IB**

**Grades: 11**

**1 credit**

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

1424

**English 4**

**Grades: 12**

**1 credit**

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

**1424DNH**

**English 4 Dual Credit (1301/1302)**

**Grades: 12**

**1 credit**

**Prerequisites: Lone Star College Application and TSI Assessment**

*This course follows the required curriculum for Lone Star College English 1301 and 1302 courses, in addition to TEKS required by the state of Texas for English 4 credit. During the first semester, the reading and writing-intensive composition course focuses on the writing of researched argumentative, expository, and persuasive papers. Analytical reading, critical thinking, and library-based research skills are emphasized. Essays, including an extended documented library research-based paper, are required. The second semester further develops the analytical, thinking, and research skills underlying academic success through the study of literature. Essays, including a second documented library research-based paper, are required. Students earn letter credit for the Lone Star College courses and a numerical grade for English 4 based on both the Lone Star work and the additional English 4 assignments. Upon successful completion of this year-long course, the student will earn six (6) hours of college English credit, as well as high school senior English credit. Registration at Lone Star College is required, along with a reduced fee tuition paid to Lone Star prior to each semester. Students who receive a D or F in any dual credit course will not be permitted to continue in the dual credit program. There are NO high school ranking GPA points given for Dual credit courses.*

**14244DNH**

**English 4 Dual Credit (2332/2333)**

**Grades: 12**

**1 credit**

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

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



1434 DNH

**UT OnRamps Dual Enrollment: Introduction to Rhetoric (English 4)**

**Grades: 12**

**1 credit**

**Prerequisites: English I, English II, English III**

*This is a dual enrollment course with the University of Texas. This introduction to rhetoric is a writing seminar course in argumentation that situates rhetoric as an art of civic discourse. It is designed to enhance students' ability to research and analyze the various positions held in any public debate and to advocate their own position effectively to a target audience. Students will also explore the ethics of argumentation, explaining what it means to "fairly" represent someone with whom one disagrees or how to responsibly address a community with particular values and interests. This course fulfills the University of Texas at Austin core curriculum requirement for English Composition (Texas core code 010). As a dual enrollment course, students will receive two grades in the course-one from each institution. Enrollment fees apply.*



Mathematics



## Mathematics Courses

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

4124

**Algebra I**

**Grades: 9**

**1 credit**

**Prerequisites: Math Grade 8 or Equivalent**

*Introductory high school mathematics course that includes a study of the language and symbolism of algebra, variables and open sentences, statement problems, polynomials, graphing in the plane, systems of linear equations and inequalities factoring, rational expressions, irrational numbers (radicals), ratio, proportion and variation. **This course requires an EOC exam.***

4224

**Geometry**

**Grades: 9, 10, 11**

**1 credit**

**Prerequisites: Algebra 1**

*Geometry combines elements of plane, solid, and coordinate geometry to clearly illustrate mathematics as a deductive science.*

4234

**Geometry Advanced**

**Grades: 9, 10**

**1 credit**

**Prerequisites: Algebra I**

*The principles of geometry are covered in this rigorous course and extended to prepare students for advanced mathematics. Students will further explore relationships between geometry and other areas of mathematics.*

4324

**Algebra II**

**Grades: 10, 11, 12**

**1 credit**

**Prerequisites: Algebra 1**

*Specific units include review of factoring and simplifying algebraic expressions, systems of equations and inequalities, relations and functions (linear, quadratic, exponential, and logarithmic), exponents and logarithms, sequences and series, and matrices.*

4334

**Algebra II 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.*









4594DNH

**UT OnRamps Dual Enrollment: Statistics**

**Grades 11- 12**

**1 credit**

**Prerequisite: Algebra I, 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



## Science Courses

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

\* courses can have concurrent prerequisite





- 3324**      **Chemistry**  
**Grades: 10, 11, 12**                      **1 credit**  
**Prerequisites: Biology and Algebra I**  
*Chemistry includes the study of the structure, composition and behavior of matter, as well as factors that affect the interaction of matter. Laboratory investigations enhance the emphasis of process skills and laboratory safety. Topics include: characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solutions, thermochemistry, and nuclear chemistry.*
- 3334**      **Chemistry Advanced**  
**Grades: 10, 11**                              **1 credit**  
**Prerequisites: Biology and Algebra I**  
*This is a preparatory course for AP Chemistry and is designed to develop the knowledge and skills necessary to be successful in a first year college chemistry course or IB science courses. Topics include: characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solutions, thermochemistry, and nuclear chemistry. Also including descriptive chemistry and electrochemistry.*
- 3344**      **Chemistry AP**  
**Grades: 11, 12**                              **1 credit**  
**Prerequisites: Biology, Chemistry, Algebra 2**  
*This course is equivalent to an introductory college course in chemistry. The topics covered follow Advanced Placement guidelines and include: atomic structure, balancing chemical equations, stoichiometry, acids and bases, equilibrium, kinetics and periodic trends. Laboratory investigations are required and may be performed 1-2 times per week. **Students are required to take the AP exam. Fee is required for the exam.***
- 33441B**      **Chemistry SL IB**  
**Grades: 11, 12**                              **1 credit**  
**Prerequisites: Biology, Chemistry, Algebra 2**  
*IB Chemistry SL is a college level course that satisfies the requirements and prepares a student to sit for the IB Chemistry SL exam. IB Chemistry SL is also the first course of two if a student intends to sit for the IB Chemistry HL exam. Some topics include: Stoichiometric relationships, atomic structure, periodicity, chemical bonding and structure, Energetics/thermochemistry, chemical kinetics, equilibrium, acids and bases, redox processes, organic chemistry, measurement and data processing, chemical materials, and medicinal chemistry. **Students are required to take the IB exam. Fee is required for the exam.***









3474IB

**Physics 2 IB**

**Grades: 12**

**1 credit**

**Prerequisites: IB Physics I**

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

8484

**Advanced Soil and Plant Science**

**Grades: 11, 12**

**1 credit**

**Prerequisites: Advanced Floral**

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

3714 DNH

**UT OnRamps Dual Enrollment: Introduction to Geosciences**

**Grades: 10, 11, 12**

**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.**



Social Studies



## Social Studies Courses

Course	Credits	Grade Level	Prerequisites
World Geography	1	9	None
AP Human Geography	1	9	Advanced History Coursework*
World History	1	10	None
AP World History: Modern	1	10	Advanced History Coursework*
U.S. History	1	11	None
AP U.S. History	1	11	Advanced History Coursework*
Dual Credit U. S. History	1	11	Lone Star Application and TSI Assessment (1301 & 1302)
IB History of the Americas	1	11	Advanced History Coursework*
IB History of the 20th Century	1	12	IB History of the Americas
United States Government	0.5	12	None
AP United States Government	0.5	12	Advanced History Coursework*
Dual Credit Government	0.5	12	Lone Star Application and TSI Assessment (2305)
Economics	0.5	12	None
AP Macroeconomics	0.5	12	Advanced History Coursework*
IB Philosophy	1	11-12	Advanced History Coursework*
Psychology	0.5	10-12	None
Sociology	0.5	10-12	None
AP Psychology	1	11-12	Advanced History Coursework*
IB Psychology	1	11-12	Advanced History Coursework*
IB Theory of Knowledge	1	11-12	IB Diploma Student
Personal Financial Literacy	0.5	10-12	None
Personal Financial Literacy/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 focuses on the distribution, processes, and effects of human populations on the planet. The course provides a systematic study of human geography, including the following topics outlined in the course description: Nature of and Perspectives on Geography, Population, Cultural Patterns and Processes, Political Organization of Space, Agricultural and Rural Land Use, Industrialization and Economic Development, Cities and Urban Land Use. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also gain knowledge of the methods and tools geographers use in their science and practice. **Students are required to take the AP exam. Fee is required for the exam.***

2224

**World History**

**Grades: 10**

**1 credit**

*World History Studies is a survey of the history of humankind. Due to the expanse of world history and the time limitations of the school year, the scope of this course will focus on "essential" concepts and skills that can be applied to various eras, events, and people. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Students analyze and evaluate the impact of geographic, social, political, cultural and technological factors on major historic events. Learned skills include analysis of maps and graphs, interpreting various sources for historical inquiry and research, and connecting historical events to current events.*

2244

**World History AP**

**Grades: 10**

**1 credit**

**Suggested Prerequisite: Advanced History coursework**

*AP World History focuses on developing students' abilities to think conceptually about world history from approximately 8000 BCE to the present and apply historical thinking skills as well as analysis of secondary and primary sources, historical interpretation, writing and research. Five themes of equal importance — focusing on the environment, cultures, state-building, economic systems, and social structures — provide areas of historical inquiry for investigation throughout the course. AP World History encompasses the history of Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and processes that cross multiple regions. **Students are required to take the AP exam. Fee is required for the exam.***

2324

**U.S. History**

**Grades: 11**

**1 credit**

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

2324IB

**History of the Americas HL IB**

**Grades: 11**

**1 credit**

**Suggested Prerequisite: Advanced History coursework**

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

2334

**U.S. History AP**

**Grades: 11**

**1 credit**

**Suggested Prerequisite: Advanced History coursework**

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





**2432DNH**      **Government Dual Credit**

**Grade 12**

**0.5 credit**

**Prerequisites: Lone Star College Application and TSI Assessment**

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

**2522**

**Economics**

**Grades: 12**

**0.5 credit**

*This course emphasizes the benefits of the free enterprise system. Topics include supply and demand, the business cycle, incentives, labor, and the factors of production, as well as the relationship of government to the American economic system, international economic relations, and consumer skills such as balancing a checkbook and taking out a loan..*

**2532**

**Macroeconomics AP**

**Grades: 12**

**0.5 credit**

**Suggested Prerequisite: Advanced Social Studies coursework**

*AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. **Students are required to take the AP exam. Fee is required for the exam.***

**2534IB**

**Economics IB SL**

**Grades: 11, 12**

**1 credit**

*This course is a one-year course covering microeconomic, macroeconomic, international and development economics. The course provides students with a core knowledge of economics, encourages students to think critically about economics, promotes an awareness and understanding of internationalism in economics and encourages students' development as independent learners. Alongside the empirical observations of positive economics, students of the subject are asked to formulate normative questions and to recognize their own tendencies for bias. **Students are required to take the IB exam. Fee is required for the exam.***

2612

**Special Topics--Current Events**

**Grades 11, 12**

**0.5 Credit**

*This course will provide students the opportunity to develop a greater understanding of the historic, political, economic, geographic, multicultural, and social forces that have shaped their lives and the world through current events. Students will use social science knowledge and skills to engage in rational and logical analysis of complex problems using a variety of approaches with content focusing on a variety of local, national and international events.*

2622

**Psychology**

**Grades: 10, 11, 12**

**0.5 credit**

*This course focuses on individual behavior and why an individual thinks, feels, and reacts to certain stimuli. Major 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. **Students are required to take the AP exam. Fee is required for the exam.***

- 2824IB**      **Psychology IB SL**  
**Grades: 11, 12**                      **1 credit**  
**Suggested Prerequisite: Advanced Social Studies coursework**  
*This course prepares the student to be successful on the IB Psychology SL exam. Psychology is examined from the Biological, Cognitive and Sociocultural levels of analysis. Abnormal Psychology is also examined. In addition, students will complete the Internal Assessment component of the IB requirement.*  
*Students who enroll in this class must complete the IB Psychology exam. This course is a social studies elective credit. **Students are required to take the IB exam. Fee is required for the exam.***
- 2834IB**      **Psychology IB HL**  
**Grades: 12**                              **1 credit**  
**Prerequisites: IB Psychology SL**  
*This course prepares the student to be successful on the IB Psychology HL exam. Topics include: research methods, health psychology, sport psychology, human relationships, and developmental psychology. Students will submit a modified version of the internal assessment completed in IB Psychology SL. This course is a social studies elective credit. **Students are required to take the IB exam. Fee is required for the test.***
- 2832IB**      **Theory of Knowledge IB**  
**Grades: 11**                              **0.5 credit**  
**Prerequisites: IB Diploma Student**  
*Theory of knowledge (TOK) is a course that investigates the nature of knowledge itself and our relationship to it. As a thoughtful and purposeful inquiry into knowledge, TOK is composed almost entirely of questions. The course reflects Critically on diverse ways of knowing and on areas of knowledge and considers the role and nature of knowledge in their own culture and the cultures of others. TOK prompts students to be aware of themselves as thinkers, encouraging them to become more acquainted with the complexity of knowledge, and the need to act responsibly in an increasingly interconnected but uncertain world. TOK is only for IB diploma students.*
- 28354IB**      **Philosophy IB SL**  
**Grades: 11, 12**                      **1 Credit**  
**Suggested Prerequisite: Advanced Social Studies coursework**  
*This course needs IB Coordinator Approval.*
- 28364IB**      **Philosophy IB HL**  
**Grades: 12**                              **1 Credit**  
**Prerequisite: Philosophy SL**  
*This course prepares the student to be successful on the IB Philosophy HL exam at the end of the year. Philosophy HL includes building on topics previously studied in Philosophy SL, an in depth study of a second branch of philosophy, an in depth study of a second single work of philosophy. The course also includes a deeper exploration of the nature, function, meaning and methodology of philosophy. **Students who enroll in this class must complete the IB Philosophy HL exam. A fee is required for the exam.***





**MAGNOLIA**  
INDEPENDENT SCHOOL DISTRICT

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World Languages



## World Language Courses

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









- 1564Q**      **French 2 Advanced**  
**Grades: 10, 11, 12**                      **1 credit**  
**Prerequisites: French 1**  
*Advanced intermediate course that presents readings of progressive difficulty, allowing for both discussion and the writing of essays on related topics –the course emphasizes style, the understanding of short literary texts and composition in French.*
- 1574IB**      **French 3 Advanced**  
**Grades: 11, 12**                      **1 credit**  
**Prerequisites: French 2 Advanced (recommended), French 2**  
*Course involves further study of speaking, listening, reading and writing in French, with French as the exclusive means of communication. Intensive course offers students a thorough grounding in basic French grammar, with particular emphasis on oral expression.*
- 1584**      **French 4 AP**  
**Grades: 12**                      **1 credit**  
**Prerequisites: French 3 Advanced**  
*Advanced review of French grammar emphasizing oral expression and communication in French - there is an overview of several Francophone authors and French history. Students are required to take the AP exam. Fee is required for the exam.*
- 1584IB**      **French 4 IB**  
**Grades: 12**                      **1 credit**  
**Prerequisites: French 3 Advanced**  
*This course offers an in depth study of the language, particularly emphasizing the skills of speaking, listening comprehension, reading, writing, and cultural literacy. Literary selections will provide a springboard for discussion of thematic topics such as modern society, contemporary issues, culture and history, and will prepare students for the IB exam. Classes will focus on interactive, interpretive, and presentational skills, and authentic texts and literary works will be introduced as readings. Students will also engage in research and extended writing activities, such as journals, creative writing, multimedia presentations, and compositions. Language study at these levels emphasizes reading strategies, writing for a variety of formats, vocabulary-building, and narrative oral skills. Instruction, class, discussion, and assignments will be in the target language. The use of the English language will be very limited in the course. Students are required to take the IB exam. Fee is required for the exam.*
- 1554IB**      **French AB Initio 1 IB**  
**Grades: 11, 12**                      **1 credit**  
*This course is for students with no previous formal experience of learning French or whose main interests lie outside the field of foreign language. It will enable you to communicate with people from a new culture. French ab initio SL not only covers essential vocabulary and grammar, but key elements of French life and culture such as food, leisure, family relationships and entertainment. In order to take the IB French Abinitio exam: A student with no French experience must take Ab initio for two years A student who has taken French I and French II can take ab initio for one year. Students are required to take the IB exam. Fee is required for the exam.*

**1564IB**

**French AB Initio 2 IB**

**Grades: 12**

**1 credit**

**Prerequisites: French AB Initio 1 IB**

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



Fine Arts



### Fine Arts Courses

Course	Area	Credit	Grade Level	Prerequisites
Portfolio Studio Art	Art	1	8	7 <sup>th</sup> 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
AP Art 4 Studio Art	Art	1	12	Art 3 Studio Advanced
AP Art 4 Drawing	Art	1	12	Art 3 Studio Advanced
AP Art History	Art	1	11-12	
Theatre Arts 1	Theatre	1	9-12	
Theatre Production 1-4	Theatre	1	9-12	Teacher approval
Tech Theatre 1-4	Theatre	1	10-12	
Concert Band	Band	1	9-12	Prior band experience, audition, and director approval
Drumline	Band	1		
Jazz Ensemble	Band	1		
Front Ensemble	Band	1		
Symphonic Band	Band	1		
Wind Ensemble	Band	1		
Color Guard	Band	1	9-12	Audition
Tenor/Bass Choir	Choir	1	9-12	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	
AP Music Theory	Music	1	11-12	
IB Music 1	Music	1	11	Coordinator Approval
IB Music 2	Music	1	12	IB Music 1

J7114

**Portfolio Studio Art Class**

**Grade: 8**

**1 credit**

**Prerequisites: 7<sup>th</sup> 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 I IB**

**Grades: 11**

**1 credit**

**Prerequisites: Teacher or Coordinator approval**

*This is the first of a two year course that 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.*

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.*

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

**Drumline 1, 2, 3, 4**

5724D

**Grades 9, 10, 11, 12**

**1 credit**

5734D

**Prerequisites: Prior band experience, audition, and director approval 5744D**

*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.*

- 5714JZ**      **Jazz Ensemble**  
**5724JZ**      **Grades: 9, 10, 11, 12**                      **1 credit**  
**5734JZ**      **Prerequisites: Prior band experience, audition, and director approval**  
**5744JZ**      *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.*
- 5714FE**      **Front Ensemble 1, 2, 3, 4**  
**5724FE**      **Grades 9, 10, 11, 12**                      **1 credit**  
**5734FE**      **Prerequisites: Prior band experience, audition, and director approval 5744FE**  
*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.*
- 5714S**      **Symphonic Band 1, 2, 3, 4**  
**5724S**      **Grades 9, 10, 11, 12**                      **1 credit**  
**5734S**      **Prerequisites: Prior band experience, audition, and director approval 5744S**  
*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.*
- 5714W**      **Wind Ensemble 1, 2, 3, 4**  
**5724W**      **Grades 9, 10, 11, 12**                      **1 credit**  
**5734W**      **Prerequisites: Prior band experience, audition, and director approval 5744W**  
*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.*
- 5754**      **Color Guard**  
**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**      **Art I**  
**Grades: 9, 10, 11, 12**                      **1 credit**  
*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.*
- 7124**      **Art 2- 2D Painting/Drawing**  
**Grades: 10, 11, 12**                      **1 credit**  
**Prerequisites: Art 1 or teacher approval**  
*Introduction to various drawing techniques and media with emphasis on black and white media such as charcoal, ink, and pencil.*
- 7154**      **Art 2 3D: Sculpting**  
**Grades: 10, 11, 12**                      **1 credit**  
**Prerequisites: Art I**  
*Students rely on their perceptions of the environment, developed through increasing visual awareness and sensitivity to surroundings, memory, imagination, and life experiences, as a source for creating artworks.*
- 7164**      **Art 3 Advanced Studio**  
**Grades: 11, 12**                      **1 credit**  
*Introduction to various painting techniques using tempera, watercolor, acrylic, pastels, and paint sticks. Vocabulary, history of painting, and analyzing art work is stressed.*
- 7084**      **Art 4 Studio Art AP**  
**Grades; 11, 12**                      **1 credit**  
**Prerequisites: Art 3 Advanced Studio**  
*The advanced placement (AP) studio art program offers the highly motivated student advanced work and experience in 2D design to prepare a portfolio for AP credit. Rigorous work schedule requires student to work in and out of class. Students are required to take the AP exam. Fee is required for the exam.*
- 7094**      **Art 4 Drawing AP**  
**Grades: 11, 12**                      **1 credit**  
*The advanced placement (AP) studio art 4 class offers the highly motivated student advanced work and experience to prepare a portfolio for AP credit. Rigorous work schedule requires student to work in and out of class. Students are required to take the AP exam. Fee is required for the exam and any study guide.*

7194

**Art History AP**

**Grades: 11, 12**

**1 credit**

*Art History is designed to provide an understanding and enjoyment of architecture, sculpture, painting, and other art forms within historical and cultural contexts. Students will examine major forms of artistic expression from the past and present, and from a variety of cultures. Students learn to look at works of art critically, with intelligence and sensitivity, and to articulate what they see or experience. Students are required to take the AP exam. Fee is required for the exam and any study guide.*

7214

**Theatre Arts I**

**Grades 9, 10, 11, 12**

**1 credit**

*This course includes instruction in the expressive use of the body and voice, improvisation, auditioning, stage movement, playwriting, history, technical theatre skills, and appreciation. Students will learn classical acting skills. Students perform in front of an audience of peers and use technical talents and practical applications. This course satisfies the high school speech graduation requirement.*

7264

**Theatre Production 1**

**Grade: 9**

**1 credit**

**Prerequisite: Teacher Approval (JH teacher recommendation)**

*This class is geared towards beginning students interested in theatre extra-curricular performances.*

7274

**Theatre Production 2, 3, 4**

7284

**Grades: 10, 11, 12**

**1 credit**

7294

**Prerequisite: Teacher Approval**

*Practical hands-on experience in acting and stagecraft through the preparation and public performance of play. Course includes acting concepts and skills, theatre production concepts and skills, theatre production concepts and skills, and appreciation of live theatrical events. This course satisfies the high school speech graduation requirement.*

7614

**Technical Theatre 1**

**Grades 10, 11, 12**

**1 credit**

**Prerequisite: Theatre Arts I**

*This class combines theories of design and stagecraft techniques with the construction and operations of various elements of technical theatre. Course includes study of scenery, properties, lighting, costumes, makeup, sound, and public relations.*

**Technical Theatre 2, 3**

7624

**Grades 11, 12**

**1 credit**

7634

**Prerequisite: Theater Arts 1 and Teacher Approval**

*This class combines theories of design and stagecraft techniques with the construction and operations of various elements of technical theatre. Course includes study of scenery, properties, lighting, costumes, makeup, sound, and public relations.*



- 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**      **IB Music I**  
**Grades 11**  
*Part of the IB Diploma Program*
- 7674IB**      **IB Music 2**  
**Grade 12**  
**Prerequisite: IB MUSIC 1**  
*Part of the IB Diploma Program*

7574

**AP Music Theory**

**Grades: 11, 12**

**1 credit**

**Suggested Prerequisite: Prior music experience (band, choir, class piano, string, and/or keyboard) is strongly encouraged.**

*AP Music Theory is an introductory college-level music theory course. Students cultivate an understanding of music theory through analyzing performed and notated music as they explore concepts like pitch, rhythm, form, and musical design. Students develop ear-training, sight-singing, and compositional skills. A student's ability to read and write musical notation is fundamental to this course. Students are expected to take the AP exam in May. Fees are required for the exam and some course material, such as a study guide.*



Electives



## Journalism Courses

1754

### **Audio Video Production I, II**

1764

**Grades: 9, 10, 11, 12**

**1 credit**

**Prerequisites: Must be taken consecutively**

*This course includes a media overview studying journalistic styles, gathering news as well as writing news, feature stories, editorials, and headlines. In addition, students will gain a basic understanding of shot composition, lighting techniques, film making, editing, and script writing. In AV Production 2 students will be expected to publish their own video shorts, and news stories for competitions. In AV Production 3 students will create their own video production portfolio. AV Production 1 meets the Speech credit for House Bill 5.*

1774

### **Video Editing**

**Grades: 12**

**1 credit**

**Prerequisites: Teacher recommendation**

*This course serves as the 4th year of Audio Video Production. In addition, students will become proficient in shot composition, lighting techniques, film making, editing, and script writing. Students will be expected to publish their own video shorts, and news stories for competitions. Student will create their own video production portfolio.*

1784IB

### **Film 1 IB**

**Grades: 11**

**1 credit**

**Prerequisites: Teacher or Coordinator Approval**

*This course is the first year of a two-year program designed to meet the requirements of the IB Film syllabus. All students must commit to two years of Film class at MHS. Students will pursue a rigorous academic track studying the medium of Film from an artistic, historical, and technical standpoint. All students must complete the IB Film Exam at the end of the second year of the program.*

**1794IB**

**Film 2 IB**

**Grades: 12**

**1 credit**

**Prerequisites: IB Film I**

*This course is the second year of a two-year program designed to meet the requirements of the IB Film syllabus. Students will continue a rigorous academic track studying the medium of Film from an artistic, historical, and technical standpoint. All students must complete the IB Film Exam at the end of the class.*



## Speech & Debate Courses

7044

**Debate 2, 3, 4**

7064

**Grades: 10, 11, 12**

**1 credit**

7074

**Prerequisites: Teacher recommendation**

*Students will expand their skills into reading and interpreting a variety of literary formats. They will explore the development of characters and learn to "cut" selections to a specific time requirement. Students will study specific formats and forums for debates and learn processes of logic and critical thinking. Competition is a requirement.*

7054

**Debate 1**

**Grades: 9, 10, 11**

**1 credit**

**Prerequisites: Teacher recommendation** *Students will learn to read and interpret a variety of literary formats. They will explore the development of characters and learn to "cut" selections to a specific time requirement. Competition is a requirement. This course meets the Speech Requirement from HB5.*

1012

**Lead Worthy**

**Grades: 9**

**0.5 credit**

*An Introductory course designed as an activity-based personal development course for all students. This course meets the Speech Requirement from HB 5.*

7022

**Professional Communication**

**Grades: 9, 10, 11, 12**

**0.5 credit**

*This course will provide students with experiences in the preparation of a variety of presentations and reports, various communication experiences, including social, academic and occupational situations and communication experiences designed to enhance critical listening and evaluating skills. This course meets the Speech Requirement from HB5.*

## Physical Education & Athletics Courses

### 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

5554

*NJROTC is a citizenship and leadership program that instills service to the United States, personal responsibility, self-discipline, self-confidence, leadership skills and a sense of accomplishment in students. Naval Science curriculum includes instruction in government, national defense, wellness, maritime history, oceanography, meteorology, physical science and naval operations. Cadets are actively engaged in physical fitness and community service. After school competitive teams include: drill, air rifle, orienteering, academics and physical fitness. JROTC cadets are required to wear a uniform one day per week that is issued to them at no cost. Students do not incur any military obligation by participating in JROTC courses.*



- 65244**      **Soccer Girls**  
Grades: 9, 10, 11, 12                      **1 credit**  
Prerequisites: Coach approval
- 65254**      **Soccer Boys**  
Grades: 9, 10, 11, 12                      **1 credit**  
Prerequisites: Coach approval
- 65264**      **Swim**  
Grades: 9, 10, 11, 12                      **1 credit**  
Prerequisites: Coach approval  
*This is a competition swimming class.*
- 65274**      **Swim/Dive**  
Grades: 9, 10, 11, 12                      **1 credit**  
Prerequisites: Coach approval  
*This is a competition swimming and diving class.*
- 65284**      **Golf**  
Grades: 9, 10, 11, 12                      **1 credit**  
Prerequisites: Coach approval
- 65294**      **Tennis**  
Grades: 9, 10, 11, 12                      **1 credit**  
Prerequisites: Coach approval
- 65304**      **Softball**  
Grades: 9, 10, 11, 12                      **1 credit**  
Prerequisites: Coach approval
- 65314**      **Baseball**  
Grades: 9, 10, 11, 12                      **1 credit**  
Prerequisites: Coach approval
- 65324**      **Cross Country**  
Grades: 9, 10, 11, 12                      **1 credit**  
Prerequisites: Coach approval
- 65334**      **Athletic Training**  
Grades: 9, 10, 11, 12                      **1 credit**  
Prerequisites: Tryouts & teacher recommendation  
*This is a sports medicine course designed to enhance the curriculum for students interested in a medical career path. Students are required to put in extra hours after school. Students must meet eligibility requirements and selection is determined by tryouts and director approval.*

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.*

7914

**ACADEC 1, 2, 3, 4**

7924

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

7934

**Prerequisites: Sponsor approval**

7944

*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. 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 6<sup>th</sup>/7<sup>th</sup> 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.**

### **Information NCAA Eligibility for College Sports**

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

[www.eligibilitycenter.org](http://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://www.magnoliaisd.org/theu)

[http://mwhs.magnoliaisd.org/apps/pages/index.jsp?uREC\\_ID=426262&type=u&pREC\\_ID=6021](http://mwhs.magnoliaisd.org/apps/pages/index.jsp?uREC_ID=426262&type=u&pREC_ID=6021)

31

### **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 2<sup>nd</sup> course from groups 1-5)

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

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

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

Course Name	Credits	Grade Levels	Recommended/Required Prerequisites
<b>GROUP 1</b>			
IB English HL	2	11 and 12	English II
<b>GROUP 2</b>			
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
<b>GROUP 3</b>			
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
<b>GROUP 4</b>			
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
<b>GROUP 5</b>			
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
<b>GROUP 6</b>			
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.*
- 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.*
- 5934**            **Practicum in Health Science 1 CNA (Certified Nursing Assistant)**  
**Grades: 11, 12**            **2 credits**  
**Prerequisites: Principles of Health Science, Medical Terminology or Anatomy**  
*Class held at MWHS during 6th and 7th periods. While earlier courses in health science provide students with an overview of the industry, this course allows students to select and pursue a specialization. Students will have the opportunity to gain knowledge and develop advanced clinical skills needed for specific certification as a Certified Nursing Assistant (CNA). Because spaces are limited, an application process is required. This class will include labs in the classroom as well as clinical internship, and completion of the clinical and written CNA exam. Students will be required to purchase a uniform, stethoscope, and watch for the course.*

5944

**Practicum in Health Science II – Emergency Medical Technician**

**Grades: 12**

**2 credits**

**Prerequisites: Principles of Health Science and Medical Terminology, or Anatomy**

*Class held at MHS during 6th and 7th periods. While earlier courses in health science provide students with an overview of the industry, this course allows students to select and pursue a specialization. Students will have the opportunity to gain knowledge and develop advanced clinical skills needed for a specific certification or licensure as an Emergency Medical Technician. Because space is limited, an application process is required. This class will include labs in the classroom, clinical internships in the Emergency Room and on the ambulance, and taking the National Registry Exam. Students will be required to purchase a uniform for the course.*



# TRANSPORTATION, DISTRIBUTION & LOGISTICS



Transportation,  
Distribution  
& Logistics

## **CAREER CLUSTER**

Transportation, Distribution & Logistics

## **ENDORSEMENT**

Business/Industry

## **PROGRAM OF STUDY**

# Automotive Collision Repair

# PROGRAM OF STUDY

# Automotive and Collision Repair



Transportation,  
Distribution  
& Logistics

## CAREER CLUSTER

Transportation, Distribution & Logistics

## PROGRAM OF STUDY

Automotive

## ENDORSEMENT

Business/Industry

## COURSES

### LEVEL 1

Small Engine Technology

1.0 Credit

### LEVEL 2

Automotive Basics

1.0 Credits

### LEVEL 3

Automotive Technology I

2.0 Credits

Certifications:

ASE

Certifying Entity:

Automotive Service Excellence  
Exam Name: Various ASE Exams



8744

**Small Engine Technology**

**Grades: 11, 12**

**1 credit**

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

8734

**Automotive Basics**

**Grades: 11, 12**

**1 credit**

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

8754

**Automotive Technology I – Maintenance and Light Repair**

**Grades: 11, 12**

**2 credits**

*A pre-employment lab course which includes use of repair manuals, service, and repair of basic systems of an automobile: fuel, engine, emission control, power train, chassis, electrical, brakes, heating, and air conditioning. Safety, careers, and Skills USA are included. Class held at Magnolia West High School. Require \$30 Auto 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: 3 credits of Science**  
*Can count as science credit. This laboratory course provides in-depth study of the significance of nutrition in food science. It addresses the knowledge and skills needed to study food science, processing, marketing, and technology involved in food/nutrition. The opportunities in food and nutrition occupational areas are explored as well as the concepts and skills related to managing the dual roles of homemaker and wage earner.*

# AGRICULTURE, FOOD & NATURAL RESOURCES



## **CAREER CLUSTER**

Agriculture, Food, and Natural Resources

## **ENDORSEMENT**

Business/Industry

## **PROGRAMS OF STUDY**

**Animal Science**

**Agricultural Technology and Mechanical Systems**

**Plant Science**



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 Resource**

**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

Applied Agricultural Engineering

### ENDORSEMENT

Business/Industry

## COURSES

#### LEVEL 1

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

**1.0 Credit**

#### LEVEL 2

Agricultural Mechanics / Introduction to Welding  
& Metal Technologies

**1.0 Credit**

#### LEVEL 3

Agricultural Structures Design / Welding I  
& Fabrications

**1.0 Credit**

#### LEVEL 4

Agricultural Equipment Design / Welding II  
& Fabrications

**2.0 Credits**

Agricultural Equipment Design & Fabrications  
& Fabrications

**1.0 Credit**

Certifications:

AWS Welding

Certifying Entity:

American Welding Society  
Exam Name: Certified Welder

- 8404**      **Principles of Ag Food & Natural Resources**  
**Grades: 9, 10, 11, 12**                      **1 credit**  
*A comprehensive basic course designed to introduce beginning students to agriculture around the globe. The course includes agricultural career development, leadership, and communication. Prepare students to have opportunities to learn, reinforce, experience, apply and transfer their knowledge and skills in a variety of settings. This course meets the Speech Requirement from HB .*
- 8424**      **Agricultural Mechanics & 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**      **Agricultural Structures & Design & Metal Technologies/Welding 1**  
**Grades: 11, 12**                      **1 credit**  
**Prerequisites: Agricultural Mechanics/Intro to Welding**  
*To be prepared for careers in mechanized agriculture and welding, students attain knowledge and skills related to agricultural facilities design and fabrication. Students explore career opportunities, entry requirements, and industry expectations. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.*
- 8454**      **Agricultural Equipment & Design & Fabrications/Welding 2**  
**Grades: 12**                      **2 credits**  
**Prerequisites: Agricultural Mechanics/Intro to Welding and Agricultural Structures/Welding 1 and Committee Review**  
*Welding II builds on knowledge and skills developed in Welding. Students will develop advanced welding concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. At the end of this course, the students have an opportunity to receive an entry Level I welding certification.*
- 8504**      **Agricultural 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 &amp; 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 &amp; Soil Science

**1.0 Credit**

Practicum in Ag, Food &amp; Natural Resources

**2.0 Credits**

## Certifications:

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

- 8404**      **Principles of Ag Food & Natural Resources**  
**Grades: 9, 10, 11, 12**      **1 credit**  
*A comprehensive basic course designed to introduce beginning students to agriculture around the globe. The course includes agricultural career development, leadership, and communication. Prepare students to have opportunities to learn, reinforce, experience, apply and transfer their knowledge and skills in a variety of settings. This course meets the Speech Requirement from HB .*
- 8474**      **Floral Design**  
**Grades: 10, 11, 12**      **1 credit**  
**Prerequisite: Principles of Agriculture, Food, and Natural Resources**  
*Course is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. This is an activity-based course which prepares students to develop competencies in flower classification and identification, geometric and specialized floral designs, identification and classification of plants. May count as Fine Arts (1.0) credit required for graduation. This course provides instruction and training necessary for the Texas State Florist's Certification.*
- 861404**      **Advanced Floral Design**  
**Grades: 11, 12**      **1 credit**  
**Prerequisites: Floral Design, passed Level 1 TSFA Certification or Committee Review**  
*In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning.*
- 8484**      **Advanced Plant and Soil Science**  
**Grades: 12**      **1 credit**  
**Prerequisites or corequisite: Advanced Floral, and taken the Level Two TSFA certification OR Committee Review**  
*This course continues the path regarding the floral industry. This course can count as a science credit Students can earn certification in Horticulture and Floral Design.*
- 8244**      **Practicum in Agriculture, Food & Natural Resource**  
**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 Design  
HVAC and Sheet Metal

# PROGRAM OF STUDY

# Architectural Design

Architecture &



Construction

## CAREER CLUSTER

Architecture & Construction

## PROGRAM OF STUDY

Architectural Design

## ENDORSEMENT

Business/Industry

## COURSES

### LEVEL 1

Principles of Architecture (Local Speech Credit)

**1.0 Credit**

### LEVEL 2

Architecture Design I

**1.0 Credit**

### LEVEL 3

Architecture Design II

**2.0 Credits**

Certifications:

Autodesk User,  
Autodesk User in Revit Architecture

Certifying Entity:

Autodesk  
Exam Name: Autodesk Certified User

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

# PROGRAM OF STUDY

# HVAC and Sheet Metal

Architecture &



Construction

## CAREER CLUSTER

Architecture & Construction

## PROGRAM OF STUDY

HVAC and Sheet Metal

## ENDORSEMENT

Business/Industry

## COURSES

### LEVEL 1

Principles of Construction (Local Speech Credit)

**1.0 Credit**

### LEVEL 2

HVAC and Refrigeration Technology I

**1.0 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**

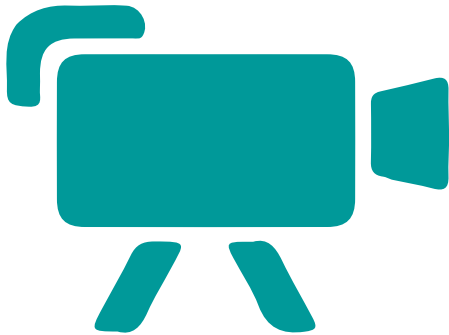
**Grades: 10 - 12**                      **1 credit**

**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.*

# ARTS, A/V TECH & COMMUNICATIONS

Arts, A/V Tech



Communication

## **CAREER CLUSTER**

Arts, A/V Tech & Communication

## **ENDORSEMENT**

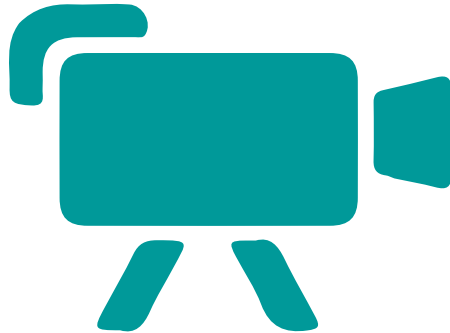
Business/Industry

## **PROGRAM OF STUDY**

Digital Communications  
Graphic Design & Interactive Media

# PROGRAM OF STUDY Digital Communications

Arts, A/V Tech



Communication

## CAREER CLUSTER

Arts, A/V Tech & Communications

## PROGRAM OF STUDY

Digital Communications

## ENDORSEMENT

Business/Industry

## COURSES

### LEVEL 1

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

### LEVEL 2

Audio/Video Production I **1.0 Credit**

### LEVEL 3

Audio/Video Production II/with lab **2.0 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 Art, A/V Technology and Communications**

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

*The goal of this course is for the student to understand art, audio/video technology, and communications systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. This course meets the Speech Requirement for HB 5.*

1754

**Audio/Video Production I**

**Grades: 10, 11, 12      1 credit**

**Prerequisite: Principles of Art, A/V Technology & Communications or Committee Review**

*This course includes a media overview studying journalistic styles, gathering news as well as writing news, feature stories, editorials, and headlines. In addition, students will gain a basic understanding of shot composition, lighting techniques, film making, editing, and script writing. In AV Production 2 students will be expected to publish their own video shorts, and news stories for competitions.*

1764

**Audio/Video Production II with Lab**

**Grades: 11, 12      2 credits**

**Prerequisites: AV Productions I**

*This course includes a media overview studying journalistic styles, gathering news as well as writing news, feature stories, editorials, and headlines. In addition, students will gain a basic understanding of shot composition, lighting techniques, film making, editing, and script writing.*

1784

**Practicum in A/V Production**

**Grades: 12      2 credits**

**Prerequisites: AV Productions II**

*Building upon the concepts taught in Audio/Video Production II, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.*



# PROGRAM OF STUDY

# Graphic Design & Interactive Media

Arts, A/V Tech



Communication

## FASHION DESIGN

### CAREER CLUSTER

Arts, A/V Tech & Communications

### PROGRAM OF STUDY

Graphic Design & Multimedia Arts

### ENDORSEMENT

Business/Industry

## COURSES

#### LEVEL 1

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

#### LEVEL 2

Fashion Design **1.0 Credit**

#### LEVEL 3

Fashion Design II w/lab **2.0 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**  
*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 are paired with local business owners or employers in their specific industry program of study.*

# PROGRAM OF STUDY

# Graphic Design & Interactive Media

Arts, A/V Tech



Communication

## ANIMATION

### CAREER CLUSTER

Arts, A/V Tech & Communications

### PROGRAM OF STUDY

Graphic Design & Multimedia Arts

### ENDORSEMENT

Business/Industry

## COURSES

#### LEVEL 1

Video Game Design

1.0 Credit

#### LEVEL 2

Animation I

1.0 Credit

#### LEVEL 3

Animation II w/lab

2.0 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





**PROGRAM OF STUDY**

## Graphic Design &amp; Interactive Media

Arts, A/V Tech



Communication

**YEARBOOK****CAREER CLUSTER**

Arts, A/V Tech &amp; Communications

**PROGRAM OF STUDY**

Graphic Design &amp; Multimedia 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 Arts and Animation (1) **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**  
*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 Tech



Communication

## PHOTO JOURNALISM

### CAREER CLUSTER

Arts, A/V Tech & Communications

### PROGRAM OF STUDY

Graphic Design & Multimedia Arts

### 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 Arts 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**  
*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.*

# PROGRAM OF STUDY

# Graphic Design & Interactive Media

Arts, A/V Tech



Communication

## JOURNALISM/NEWSPAPER

### CAREER CLUSTER

Arts, A/V Tech & Communications

### PROGRAM OF STUDY

Graphic Design & Multimedia Arts

### ENDORSEMENT

Business/Industry

## COURSES

#### LEVEL 1

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

#### LEVEL 2

Digital Design and Media Production **1.0 Credit**

#### LEVEL 3

Digital Arts and Animation **1.0 Credit**

#### 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.*
- 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.*
- 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 are paired with local business owners or employers in their specific industry program of study.*
- 8344**      **Digital Design and Media Production**  
**Grades: 10, 11, 12**                      **1 credit**  
*Building upon the concepts taught in Audio/Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production products. This course may be implemented in an audio format or a format with both audio and video.*

## 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:

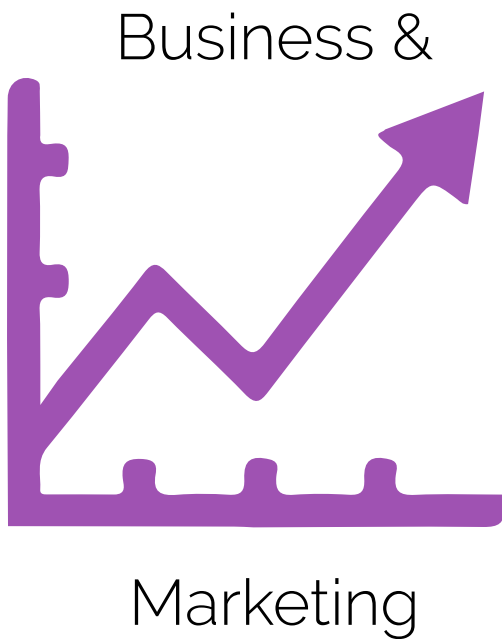
Early Childhood Education and Care - Basics

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



## **CAREER CLUSTER**

Business, Marketing & Finance

## **ENDORSEMENT**

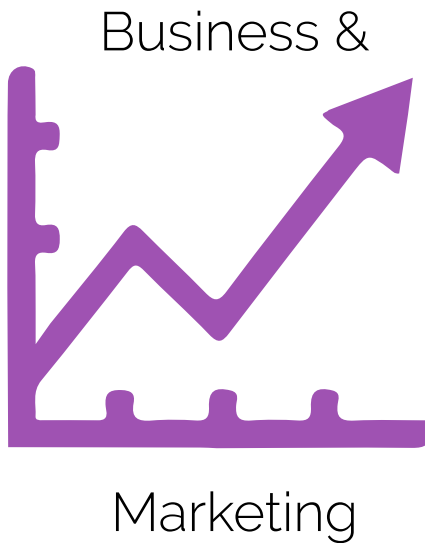
Business/Industry

## **PROGRAM OF STUDY**

**Business Management  
Marketing & Sales**

**PROGRAM OF STUDY**

## Business Management

**CAREER CLUSTER**

Business, Marketing &amp; Finance

**PROGRAM OF STUDY**

Business Management

**ENDORSEMENT**

Business/Industry

**COURSES****LEVEL 1**

Principles of Business, Marketing &amp; 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 Resource Management

**0.5 Credit****LEVEL 4**

Practicum in Business Management

**2.0 Credits**

Certifications:

Administrative Assisting

Certifying Entity:

NOCTI



- 6084**      **Principles of Business, Marketing, and Finance**  
**Grades: 9, 10, 11, 12**                      **1 credit**  
*In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance. This course meets the Speech Requirement from HB5.*
- 6062**      **Global Business**  
**Grades: 10, 11, 12**                      **0.5 credit**  
*Global Business is designed for students to analyze global trade theories, international monetary systems, trade policies, politics, and laws relating to global business as well as cultural issues, logistics, and international human resource management.*
- 6042**      **Virtual Business**  
**Grades: 10, 11, 12**                      **0.5 credit**  
*Virtual Business will give students an opportunity to incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, and ethical dimensions of business to create a successful virtual business. Students assess their skills, interests and strengths to determine their suitability for working in the virtual world. They will work on team projects that will give them real-world experiences.*
- 8974**      **Practicum in Business Management**  
**Grades: 11, 12**                      **2 credits**  
**Prerequisites: Business Management, Global Business, and Virtual Business**  
*Practicum Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practical experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience.*
- 6044**      **Business Management**  
**Grades: 10, 11, 12**                      **1 credit**  
*Business Management is designed to familiarize students with the concepts related to business management as well as the functions of management including planning organizing, staffing, leading, and controlling. Students will also demonstrate interpersonal and project-management skills.*
- 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.*

6224

**Human Resources Management**

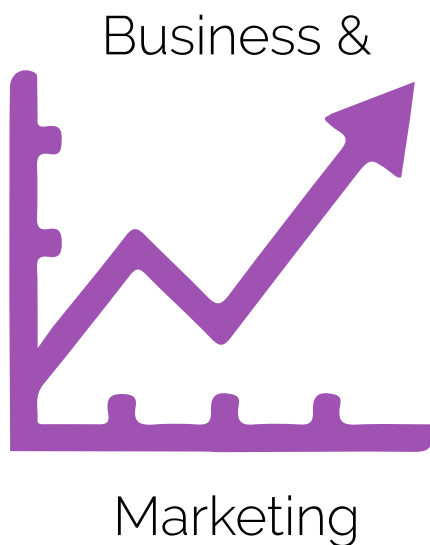
**Grades: 10, 11, 12**

**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.*

# PROGRAM OF STUDY

# Marketing & Sales



## CAREER CLUSTER

Business, Marketing & Finance

## PROGRAM OF STUDY

Marketing & Sales

## ENDORSEMENT

Business/Industry

# COURSES

### LEVEL 1

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

1.0 Credit

### LEVEL 2

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

2.0 Credits

Certifications:

Social Media Marketing Certification

Certifying Entity:

Stukent

- 6084**      **Principles of Business, Marketing, and Finance**  
**Grades: 9, 10, 11, 12**      **1 credit**  
*In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance. This course meets the Speech Requirement from HB5.*
- 2862**      **Sports & Entertainment Marketing**  
**Grades: 10, 11, 12**      **1 credit**  
*This course introduces students to the fundamentals of marketing in the sports and entertainment industries. Students will explore product branding, licensing, sponsorships, pricing, placement, promotion, event marketing, advertising, and implementation of sports and entertainment marketing plans. Students will evaluate and use information resources to accomplish specific tasks and will deliver presentations using appropriate media to engage and inform audiences.*
- 6042**      **Virtual Business**  
**Grades: 10, 11, 12**      **0.5 credit**  
*Virtual Business will give students an opportunity to incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, and ethical dimensions of business to create a successful virtual business. Students assess their skills, interests and strengths to determine their suitability for working in the virtual world. They will work on team projects that will give them real-world experiences.*
- 6242**      **Social Media Marketing**  
**Grades: 9, 10, 11, 12**      **0.5 credit**  
*Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media.*
- 8964**      **Practicum in Marketing**  
**Grades: 12**      **2 credits**  
*Through course required employment, students gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to create the marketing mix. This course covers technology, communication, and customer-service skills. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practical experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical education courses in marketing education. Students participate in leadership and career development activities. Students are encouraged to participate in DECA, a co-curricular youth*

*organization for Marketing, Management and Entrepreneurship. This course may include paid or unpaid career preparation experience.*

**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.*

**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.*