



Houston County Schools

2023-2024

Secondary Grades

Curriculum Guide

and

Course Descriptions

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**Ashford, AL 36312**

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**Ashford Middle School**

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**Ashford, AL 36312**

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**Cottonwood High School**

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**Cottonwood, AL 36320**

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**Houston County Career Academy**

**662 West Main Street**

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**Rehobeth, AL 36301**

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**Rehobeth, AL 36301**

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**Wicksburg High School**

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**Houston County Virtual Academy**

**662 West Main Street**

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## Houston County School System's Mission Statement

Houston County Schools, believing that our children are our future, commit to a partnership with stakeholders, to provide safe, caring learning environments that encourage each student to achieve his or her full potential.

## Houston County School System's Vision Statement

Houston County schools, in partnership with our stakeholders, will prepare students to lead productive, lives and meet the high expectations of a competitive global society. In this pursuit, we will strive to become innovative, exemplary, and technology-rich centers for learning. We will inspire, challenge, and empower students to become responsible citizens and lifelong learners who are excited by the challenges of tomorrow. By implementing high-quality, research-based, educational strategies in a safe, secure, and nurturing environment, we will ensure the success of our students to compete in the twenty-first century. While sharing this vision, we will shape the future through perseverance, dedication, and teamwork.

## Houston County School System's Beliefs

*A school community should be a safe and caring environment that promotes respect, self-worth, creativity, and academic growth.*

*All stakeholders should work collaboratively.*

*Education should be responsive to the diversity of our students.*

*A school community should foster the intellectual, emotional, and physical well-being of each student.*

*Education should be celebrated as a lifelong process that fosters personal growth.*

*Essential components of learning are innovation, risk-taking, and challenging students' limits.*



## General Program Description

The Houston County School System is composed of approximately twelve schools. Specifically, the Houston County School System has seven secondary level schools. Those seven schools include two schools that serve grades 6-8 (Ashford Middle School and Rehobeth Middle School), three that serve grades 7-12 (Cottonwood High School, Houston County High School, and Wicksburg High School), two that serve grades 9-12 (Ashford High School and Rehobeth High School), and one virtual academy that serves students in grades k-12 (Houston County Virtual Academy). Along with the above-mentioned schools, the Houston County School System also has one career academy (Houston County Career Academy) that provides services to students in grades 9-12 for the entire county.

All of our secondary schools have a wide range of academic, career/technical, co-curricular, and extracurricular activities for students. The goal of the Houston County School System is to prepare our students to be college and/or career ready upon their completion and graduation from any of our schools. Our students will have the ability to select a course of study based on their academic and career interests. More detailed descriptions and information of the courses and programs offered are contained in this guide.

Our Secondary schools currently operate on a Block Schedule which is a nontraditional schedule based on 5 (roughly 78 minute) classes per day. Houston County Schools do offer some year-long courses within our schedules for students in grades 7-11. Each year students will register for a maximum number of ten courses. Students will have fewer classes per day on a block schedule, but they should be prepared to concentrate more on the courses they are taking and use their time wisely. A block schedule class is, typically, more fast paced than a class on a traditional seven period day.

## General Information

1. Students will be required to take a minimum of 5 credited courses per semester\*. Credits earned in summer school will not waive this requirement.  
*\*- indicates virtual academy students may fall under different requirements.*
2. All students are initially eligible to take all courses offered; provided they meet the normal pre-requisites, space is available, and no schedule conflicts occur.
3. Grade level assignments are made in compliance with the promotion policy located in the Houston County Schools Code of Conduct and outlined later in this guide.
4. In order to maintain high standards of instruction, it may be necessary to charge class fees in some courses. These fees will provide needed laboratory equipment and other expendable materials necessary to maximize instruction. Course fees are only allowable in elective courses. Despite the necessity of providing some materials by requiring fees, no student will be denied access to a course if they are deemed unable to pay a fee. Students qualifying for free and reduced lunch are exempt from paying any class fees.

5. The Houston County School System reserves the right to adjust its course offerings at any time in light of prevailing educational conditions.
6. Students who complete Accelerated Math in grades 7 and 8 will be eligible to allow the passing of those courses to satisfy the Algebra with Probability graduation requirement.
  - a. As prescribed by the Alabama Course of Study for Mathematics 2019, students should be enrolled in a mathematics course every year of their high school experience.

## Grade Promotion Requirements

### Grades 6-8

Grade Level	Requirement 1	Requirement 2	Requirement 3
<b>6</b>	<i>Achieve a grade of 60 or higher in English</i>	<i>Achieve a grade of 60 or higher in Math</i>	<i>Achieve a grade of 60 or higher in either Science or Social Studies</i>
<b>7</b>	<i>Achieve a grade of 60 or higher in English</i>	<i>Achieve a grade of 60 or higher in Math</i>	<i>Achieve a grade of 60 or higher in either Science or Social Studies*</i> <i>(Combined average of Civics and Geography of 60 or greater is sufficient)</i>
<b>8</b>	<i>Achieve a grade of 60 or higher in English</i>	<i>Achieve a grade of 60 or higher in Math</i>	<i>Achieve a grade of 60 or higher in either Science or Social Studies</i>

***Any student that fails a Science or Social Studies course must have a minimum of a 60.0 cumulative core class average to be promoted or take credit recovery courses.***

## Grade Level Classifications (Grades 9-12)

<b>Ninth Grade</b>
Successful completion and promotion from eighth grade
<b>Tenth Grade</b>
Minimum of seven (7) credits earned toward graduation
<b>Eleventh Grade</b>
Minimum of fourteen (14) credits earned toward graduation
<b>Twelfth Grade</b>
Minimum of twenty-two (22) credits and eligible to complete all graduation requirements by the end of the current school year

## Graduation Credit Requirements

Graduation Year	Number of Credits Required
2022	34 Credits
2023	34 Credits
Beginning with the Class of 2024	32 Credits

## Diploma Requirements

<b>English-4 credits</b>	<b>Social Studies*—4 credits</b> <i>The (*) means that these history courses must be taken in this sequence. Government and Economics are to be taken after the history courses but not in any given sequence.</i>
<p><b>4 credits to include:</b>            English 9 - 1 credit            English 10 - 1 credit            English 11 - 1 credit            English 12 - 1 credit</p> <p><i>English Language Arts-credit eligible options may include: Advanced Placement/International Baccalaureate/postsecondary courses/SDE-approved courses.</i></p>	<p><b>4 credits to include:</b>            World History-1 credit            US History until 1900 - 1 credit            US History after 1900 - 1 credit            Government - ½ credit            Economics - ½ credit            and</p> <p><i>Students are required to pass the Civics Test in the United States Government class effective the 2018-2019 school year.</i></p>
<b>Math-4 credits</b>	<b>Career Technical Education (CTE) and/or Foreign Language and/or Fine Art —3 credits</b>
<p><b>4 credits to include:</b>            Geometry with Data Analysis – 1 credit            Algebra I with Probability – 1 credit*            Algebra II with Statistics – 1 credit            and            1 or 2 Additional Specialized Math Credits  <i>AP Pre-calculus, Mathematical Modeling, Applications of Finite Mathematics, AP Statistics, AP Calculus, AP Computer Science</i>            or  <i>any additional</i>  <i>mathematics-credit eligible options to include: Career and Technical Education/Advanced Placement/International Baccalaureate/postsecondary courses/SDE-approved courses.</i></p> <p><i>*Completion of Grade 7 and Grade 8 Accelerated Math will grant the ability to bypass Algebra I with Probability.</i></p>	<p>Students choose CTE, Fine Arts Education, and/or Foreign Language and are encouraged to complete two sequential courses.</p>
<b>Science—4 credits</b>	<b>Electives—15 credits</b>
<p><b>2 credits to include:</b>            Biology - 1 credit            Physical Science - 1 credit  <i>(Chemistry, Physics, or Physical Science)</i>            and            2 Additional Science Credits  <i>Science or science-credit eligible options may include Career and Technical Education/Advanced Placement/International Baccalaureate/postsecondary courses/SDE-approved courses.</i></p>	<p>Physical Education - 1 credit  <i>(Beginning Kinesiology, ROTC, or Xavier Eligible PE Course)</i>            Health- ½ credit            Career Preparedness - 1 credit  <i>(Career Prep A ½ credit, Career Prep B ½ Credit, or Waiver Eligible Course)</i></p> <p>Other Electives-12 ½ credits</p>
<p><b>Total: 34 Credits</b>  <i>Starting with the Graduating Class of 2024 only 32 Credits will be required (13 Electives Credits)</i></p>	

## Grade Point Average Calculations

Grade point averages and class rank are calculated by using all credit-bearing courses. All courses are weighted equally unless specified that courses include an additional weight (*see individual academic sections to determine what courses receive additional weight*). For more information regarding the weighting of courses, see the Levels of Courses section. Grades earned in the ninth grade are included in the computation of grade point averages. If a student is repeating a grade or a course, all previous grades earned in that grade or course will be included in the grade point average computation. Any Alabama High School Diploma credit eligible courses, completed in the eighth grade or prior, will satisfy the requirement for graduation but will not be computed in the grade point average.

The following scale will be used to calculate grade point averages:

<u>Letter Grade</u>	<b>A+</b>	<b>A</b>	<b>A-</b>	<b>B+</b>	<b>B</b>	<b>B-</b>	<b>C+</b>	<b>C</b>	<b>C-</b>	<b>D+</b>	<b>D</b>	<b>D-</b>	<b>F</b>
<u>Numerical Grade</u>	100 - 97	96 - 93	92 - 90	89 - 87	86 - 83	82 - 80	79 - 77	76 - 73	72 - 70	69 - 67	66 - 63	62 - 60	59 - 0
<u>Standard GPA</u>	4.33	4.00	3.67	3.33	3.00	2.67	2.33	2.00	1.67	1.33	1.00	0.67	0.00
<u>Weighted GPA</u>	5.33	5.00	4.67	4.33	4.00	3.67	3.33	3.00	2.67	2.33	2.00	1.67	0.00

## Graduation Honors

**Beginning with the graduating class of 2024, the following will determine Valedictorian, Salutatorian, and Honor Court**

For the purposes of recognizing any of the above-mentioned honors, all GPAs will be weighted and will not be rounded. In the event of a tie, GPA calculations will be carried out to the fourth decimal place. If a tie still remains, both students will be awarded the honor. Additionally, students must be enrolled in a Houston County School by the first day of school their junior year to be eligible for the above-mentioned honors. These honors cannot be attained by any students taking part in the HOPE program or the Alabama Extended Standards program.

1. Valedictorian will be the graduating senior with the highest weighted GPA in the graduating class after the conclusion of the 4<sup>th</sup> nine week's grading period.
2. Salutatorian will be the graduating senior with the second highest weighted GPA in the graduating class after the conclusion of the 4<sup>th</sup> nine week's grading period.
3. The Honor Court will be the top 20% of the graduating seniors.
4. In order to be eligible for the Houston County School System's Academic Honors Endorsement, graduating seniors must have completed all honors level core (*English, Math, Science, Social Studies*) courses offered at their schools or academic dual

enrollment courses that satisfy those core classes. Likewise, students must also, at minimum, complete Precalculus. Students attaining this endorsement must also complete the minimum required credits outlined in the Graduation Credit Requirements section of this document. Students must also complete all requirements and assessments as directed by the Alabama State Department of Education.

### **Starting with the Graduating Class of 2027**

The Honor Court will be the top 20% of the graduating seniors. In addition to being in the top 20% of the graduating class. Students must also be eligible for the Houston County School System's Academic Honors Endorsement (***see the next section for more information on the Academic Honors Endorsement***).

In order to be eligible for the Houston County School System's Academic Honors Endorsement, graduating seniors must have completed all honors level core (*English, Math, Science, Social Studies*) courses offered at their schools or academic dual enrollment courses that are equivalent to those core classes. Likewise, students must also, at minimum, complete AP Precalculus and complete a math and science credit each year. Students attaining this endorsement must also complete the minimum required credits outlined in the Graduation Credit Requirements section of this document. Students must also complete all requirements and assessments as directed by the Alabama State Department of Education. This includes earning a College and Career Readiness Indicator and taking the ACT when offered by the school system in the Spring of their sophomore year.

## Level of Courses

In addition to general level academic and career and technical courses, many subjects or programs have an Honors or Dual Enrollment option. Those levels are explained in the section below.

### **Advanced Placement (AP) Courses**

AP Courses are approved by the College Board and are designed to provide college-level studies for high school students, using college-level materials and strategies. The amount and depth of material covered requires students to read and write extensively in and out of class. The rigor of course materials requires students to develop advanced reasoning and problem-solving skills. Teachers will provide support systems to assist students. Students will have the ability to potentially earn college credit based on their results from the AP Exam for the course they are enrolled in. AP level courses are granted an additional 1 point weight in the GPA calculation for a total of 5.33 possible GPA points for an A+.

### Honors Level Courses

Honors or Advanced level courses are designed for your students that are either college-bound or interested in a faster-paced, more in-depth course of study. These courses, while covering the minimum requirements outlined in their courses of study, will also expound on other important topics in their discipline. These courses will generally be taught at a faster pace than the general level courses and cover a broader scope of material than the general class. Honors or Advanced level courses will also require a higher level of work and understanding from their students. These courses will require more time and work than a general level class in order to experience success. These courses do count as a weighted course and are granted an additional 1-point weight in the GPA calculation for a total of up to 5.33 possible GPA points for an A+. Therefore, parents and students are encouraged to carefully make decisions regarding these courses. Schedule changes involving these courses will be at the discretion of the school's administrator. The student's past academic performance and test data will be used to make schedule change decisions, and therefore, removal from these courses once they start is not guaranteed.

***Beginning in the 2023-2024 school year, students wishing to continue in honors level courses must take the ACT during the Spring of their sophomore year.***

### Dual Enrollment Courses

Dual Enrollment course options allow high school students to enroll in college courses and receive both high school and college credit for the same course. These courses are offered primarily through Wallace Community College and Enterprise State Community College; however, we also accept early enrollment credits from other institutions. Early College credits must be approved by the school's administrator before it will be eligible for dual-credit. Students must have a minimum cumulative grade point average of 2.5 for career and technical courses and a 3.0 for academic courses and meet any other requirements for specific courses in order to participate in courses at this level. Students should consult their prospective colleges and universities to determine if the credit is accepted by that college or university. Students and parents should carefully make decisions regarding these courses because penalties for schedule changes do exist after specific add/drop dates set by the college expire. Schedule changes for these courses will be at the discretion of administration, and the student's past academic performance and test data will be used to make schedule change decisions, and therefore, removal is not guaranteed. It is also important to note students that withdraw or drops a dual enrollment course, the student will receive a 59/F on their high school transcript. Students and parents must also be aware that these courses will begin/affect the student's college transcript.

***Students are required to pay college tuition for Dual Enrollment classes in accordance with the tuition schedule of the institution in which the student is enrolled. Some Dual Enrollment courses qualify for tuition assistance provided by workforce development funding and other grant programs.***

### **ACCESS Courses**

ACCESS Virtual Learning is an education initiative of the Alabama State Department of Education that provides opportunities and options for Alabama high school students to engage in Advanced Placement (AP), elective, and other courses. ACCESS is used throughout the state of Alabama to provide equal access to high-quality instruction in an effort to improve student achievement through virtual learning opportunities.

### **Edgenuity Courses**

Edgenuity is a virtual learning program implemented primarily at the Houston County Virtual Academy. These courses are also used in some schools to supplement instructional needs the school is unable to meet. Edgenuity courses combine direct-instruction videos, assignments, and assessments to engage students and ensure subject-area mastery. Edgenuity additionally, offers Honors/Advanced level and Advanced Placement courses for certain content areas and courses taken during the academic year, this excludes those taken during the summer.



## Middle School Course Offerings and Descriptions

For the purposes of this guide Middle School Course Descriptions will be limited to grades 7-8. Classes in grades 7-8 do not receive graduation credit, with the exception of Career Preparedness A.

### 7<sup>th</sup> Grade Course Offerings

English Language Arts			
Course Number	Course	Credit Eligible	Fee
01035G0707	English 7	-	No Fee
Mathematics			
Course Number	Course	Credit Eligible	Fee
02037H0707	Accelerated Math 7*	-	No Fee
02037G0707	Math 7	-	No Fee
Science			
Course Number	Course	Credit Eligible	Fee
03237G0707	Life Science 7	-	No Fee
Social Studies			
Course Number	Course	Credit Eligible	Fee
04001G0707	Geography	-	No Fee
04161G0707	Civics	-	No Fee
Elective Options			
Course Number	Course	Credit Eligible	Fee
08037G0708	Physical Education	-	No Fee
23992X1000	Enrichment	-	No Fee
<i>*Designates an honors level course</i>			

### 7<sup>th</sup> Grade Course Descriptions

Course Name	ALSDE Course Number	Credit/Fee
<b>English 7</b>	<b>01035G0707</b>	<b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
<p>In this course students will focus on building foundational literacy skills and knowledge to read and respond to various types of literature, build their knowledge base, and strengthen existing abilities. Students' ability to think abstractly increases. Seventh graders continue to examine and challenge the ideas of others and expand their ability to express and justify their own points of view through reading, listening, writing, and speaking.</p>		

<b>Accelerated Math 7</b>	<b>02037H0707</b>	<b>Fee: N/A</b>
Pre-requisite: <i>recommendation of Grade 6 math teacher and a review of available student test data</i>		
The Grade 7 Accelerated Mathematics course has been carefully aligned and designed for middle school students who show particular motivation and interest in mathematics. Grade 7 Accelerated Mathematics includes standards from Grade 7 Mathematics and incorporates standards from Grade 8 Mathematics and Algebra I with Probability. <b><i>Students who complete this class are eligible to enroll in Grade 8 Accelerated Mathematics or Grade 8 Mathematics. Students who complete both Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics are considered to have met the requirements of and may opt to omit the Algebra I with Probability course in their high school mathematics progression to enroll in additional mathematics courses after completing the required Algebra II with Statistics course.</i></b>		
<b>Math 7</b>	<b>02037G0707</b>	<b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
In this course students will analyze proportional relationships and use them to solve real-world and mathematical problems; apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers; use properties of operations to generate equivalent expressions; solve real-life and mathematical problems using numerical and algebraic expressions and equations; draw, construct, and describe geometrical figures and describe the relationship between them; solve real-life and mathematical problems involving angle measure, area, surface area, and volume; use random sampling to draw inferences about a population; draw informal comparative inferences about two populations; and investigate chance processes and develop, use, and evaluate probability models.		
<b>Life Science 7</b>	<b>03237G0707</b>	<b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
In this course students will continue on the Life Science progression of knowledge and understanding from earlier grades of the core ideas to include the structure and function of cells and their connections to organs and organ systems; the interactions between living organisms and between biotic and abiotic factors; explanations of genetic variations, results of genetic mutations, and impacts of genetic technologies; and the patterns of change in populations of organisms over a long period of time; the relationship between natural selection; and the reproduction and survival of a population with the integration of science and engineering practices and crosscutting concepts from the science framework.		
<b>Geography</b>	<b>04001G0707</b>	<b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
This course consists of cultural geography emphasizing Eastern Hemisphere; places and regions; physical systems; human systems; relationships between people and their environment. <b><i>This course will be taught over a period of a single nine weeks.</i></b>		
<b>Civics</b>	<b>04161G0707</b>	<b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
This course will explore U.S. founding documents; representative democracy; law; personal finance; U.S. political system; civic participation and responsibility. <b><i>This course will be taught over a period of a single nine weeks.</i></b>		

<b>Physical Education</b>	<b>08037G0708</b>	<b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
<p>This course is offered in grades 7 and 8 and focuses on skill execution as opposed to the acquisition of skills which are integrated into games, sports, rhythms, and gymnastics. In this course the learner will apply tactics and strategies to modified game play; demonstrate fundamental movement skills in a variety of contexts; design and implement a health-enhancing fitness program; select and participate in physical activity; cooperate with and encourage classmates; accept individual differences and demonstrate inclusive behaviors, and engage in physical activity for enjoyment and self-expression.</p>		
<b>Enrichment</b>	<b>23992X1000</b>	<b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
<p>Students will be enrolled in this course in an effort to provide them with opportunities for character education, to provide an opportunity for remedial or enrichment services, and to promote successful study habits. This course will be offered either during the first or second semester for students in grade 7.</p>		

## 8th Grade Course Offerings

<b>English Language Arts</b>			
Course Number	Course	Credit Eligible	Fee
01036G0808	English 8	-	No Fee
<b>Mathematics</b>			
Course Number	Course	Credit Eligible	Fee
02038H0808	Accelerated Math 8*	-	No Fee
02038G0808	Math 8	-	No Fee
<b>Science</b>			
Course Number	Course	Credit Eligible	Fee
03011G0808	Physical Science 8	-	No Fee
<b>Social Studies</b>			
Course Number	Course	Credit Eligible	Fee
04051G0808	World History to 1500	-	No Fee
<b>Elective Options</b>			
Course Number	Course	Credit Eligible	Fee
22153G0512	Career Preparedness A	.5	No Fee
10012G0608	Computer Science Discoveries	-	No Fee
08037G0708	Physical Education	-	No Fee
<i>*Designates an honors level course</i>			

## 8<sup>th</sup> Grade Course Descriptions

Course Name	ALSDE Course Number	Credit/Fee
English 8	01036G0808	Fee: N/A
<i>Pre-requisite: Completion of English 7 or administrative approval</i>		
<p>In this course students will analyze sources of reading span all subject areas, cultures, and formats as students begin to recognize the interconnectedness of their world. These texts also become sources for research. Students in the middle level begin to discern the validity and credibility of information, as well as the importance of employing that discernment in today's world. Students also learn the importance of citing their sources to acknowledge the work of other academics and to build their own credibility as researchers and writers. Writing in the middle grades becomes more rigorous as the emphasis on organization and textual evidence becomes a daily requirement. Writing is fostered and sustained by both shorter pieces of writing and longer, more challenging works. Students hone their vocabulary literacy by paying attention to connotative meanings, understanding their audience, and their academic and domain-specific vocabulary. They also continue to develop their language and grammar skills as they review foundational knowledge and build upon it with new concepts in their writing through reading, listening, writing, and speaking.</p>		

<b>Accelerated Math 8</b>	<b>02038H0808</b>	<b>Fee: N/A</b>
Pre-requisite: <i>Completion of Accelerated Math 7, teacher recommendation, and a review of test data</i>		
<p>The Grade 8 Accelerated Math course has been carefully aligned and designed for middle school students who have completed the Grade 7 Accelerated course and show particular motivation and interest in mathematics. Grade 8 Accelerated contains four content areas: Number Systems and Operations; Algebra and Functions; Data Analysis, Statistics, and Probability; and Geometry and Measurement. The algebra focus is on quadratic relationships.</p> <p><b><i>Students who successfully complete this course will be prepared to enter Geometry with Data Analysis in Grade 9 and then accelerate directly into Algebra II with Statistics in Grade 10, thus providing them with an opportunity to take additional, specialized mathematics coursework, such as AP Calculus or AP Statistics, in Grades 11 and 12. Students who complete both Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics are considered to have met the requirements of and may opt to omit the Algebra I with Probability course in their high school mathematics progression to enroll in additional mathematics courses after completing the required Algebra II with Statistics course.</i></b></p>		
<b>Math 8</b>	<b>02038G0808</b>	<b>Fee: N/A</b>
Pre-requisite: <i>Completion of Accelerated Math 7 or Math 7 or administrative approval</i>		
<p>In this course students will know that there are numbers that are not rational, and approximate them by rational numbers; work with radicals and integer exponents; understand the connections among proportional relationships, lines, and linear equations; analyze and solve linear equations and pairs of simultaneous linear equations; define, evaluate, and compare functions; use functions to model relationships between quantities; understand congruence and similarity using physical models, transparencies, or geometry software; understand and apply the Pythagorean Theorem; solve real-world and mathematical problems involving volume of cylinders, cones, and spheres; and investigate patterns of association in bivariate data.</p>		
<b>Physical Science 8</b>	<b>03011G0808</b>	<b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
<p>In this course students will continue on the Physical Science progression of knowledge and understanding from earlier grades of the core ideas to include the composition and properties of matter; examining forces and predicting and developing explanations for changes in motion; the conservation of energy, energy transformations, and applications of energy to everyday life; and types and properties of waves and the use of waves in communication devices with the integration of science and engineering practices and crosscutting concepts from the science framework.</p>		
<b>World History to 1500</b>	<b>04051G0808</b>	<b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
<p>This course consists of a chronological history of the world: survey of early and classical civilizations; world expansion of agrarian and commercial civilizations from beginnings to 1500.</p>		

<b>Career Preparedness A</b>	<b>22153G0512</b>	<b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
<p>A one-half credit course that is taught in grades 8-12. Career Preparedness focuses on three integrated areas of instruction: academic planning and career development, financial literacy, and technology. Course content includes college and career preparation, computer literacy skills, and personal finance. Technology topics are interwoven throughout course instruction. These standards are designed to provide a strong foundation for student acquisition of the skills, attitudes, and knowledge that enable them to achieve success in school, at work, and across the life span. Other topics addressed in Career Preparedness are business and industry, continuing education, and lifelong learning. Partnerships and alliances between educational institutions, governmental entities and employers can support these standards and connect students to potential career opportunities. <b><i>This course is a prerequisite to Career Preparedness-B (which students receive credit for by taking Economics as Seniors). The required 20-hour online experience can be met by successfully completing both Career Preparedness A and Career Preparedness B. This course will be taught over a period of a single nine weeks. The students will then take Computer Science Discoveries the following nine weeks. This course is required for graduation.</i></b></p>		
<b>Computer Science Discoveries</b>	<b>10012G0608</b>	<b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
<p>This course is designed for students in Grade 8. Students will be able to enhance their knowledge of computer science and how it affects society as they explore topics that include: facial recognition; artificial intelligence; cybersecurity and ethics; coding; app development; and other innovations in computing. 18 weeks (minimum of two units) OR 36 weeks (all units). <b><i>This course will be taught over a period of a single nine weeks. The students will then take Career Preparedness A the following nine weeks</i></b></p>		
<b>Physical Education</b>	<b>080373G0708</b>	<b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
<p>This course is offered in grades 7 and 8 and focuses on skill execution as opposed to the acquisition of skills which are integrated into games, sports, rhythms, and gymnastics. In this course the learner will apply tactics and strategies to modified game play; demonstrate fundamental movement skills in a variety of contexts; design and implement a health-enhancing fitness program; select and participate in physical activity; cooperate with and encourage classmates; accept individual differences and demonstrate inclusive behaviors; and engage in physical activity for enjoyment and self-expression.</p>		

## High School Course Offerings and Descriptions

For the purposes of this guide High School Course Offerings Descriptions will include those available for students in grades 9-12.

### High School English Course Offerings and Descriptions

English Language Arts			
English Core			
Course Number	Course	Credit Eligible	Fee
01001G1000	English 9	1.0	No Fee
01001H1000	Honors English 9 <sup>+</sup>	1.0	No Fee
01002G1000	English 10	1.0	No Fee
01002H1000	Honors English 10 <sup>+</sup>	1.0	No Fee
01003G1000	English 11	1.0	No Fee
01003H1000	Honors English 11 <sup>+</sup>	1.0	No Fee
01004G1000	English 12	1.0	No Fee
01006H1000	Honors English 12 <sup>+</sup>	1.0	No Fee
English Electives			
01104G1000	Creative Writing	1.0	No Fee
01069G1000	Mythology and Fables	1.0	No Fee
11149G1000	Mass Media	1.0	No Fee
<b><i>For Dual Enrollment Options see the Dual Enrollment Section</i></b>			
<b><i>+Designates a 1 point GPA weight addition</i></b>			

Course Name	ALSDE Course Number	Credit/Fee
English 9	01001G1000	Credit: 1 Fee: N/A
Pre-requisite: <i>None</i>		
<p>In this course students will understand the importance of aesthetic decisions by the author and note how choices of syntax and diction shape and clarify meaning. standards are organized under types of literacy (critical, digital, language, and research) to reflect the applications of literacy in a rapidly changing world. This format represents an effort to show that successful communication requires multifaceted receptive and expressive skills emphasize the literature of varied times and places. Both ninth grade standards emphasize world literature to give students a broad and deep foundation. Students learn and practice active listening, read a variety of workplace and literary texts, learn and practice essential digital skills, utilize a process to create and modify written work, implement conventions of language and usage, and utilize context to decipher word meanings all through reading, listening, writing, and speaking. <b><i>This course is required for graduation.</i></b></p>		

<b>Honors English 9</b>	<b>01001H1000</b>	<b>Credit:1 Fee: N/A</b>
Pre-requisite: <i>None</i>		
This course covers the same course content as English 9 but is more rigorous. It focuses on diving deeper into the content knowledge of context through a multicultural diversity of text and types of text, and it provides and extension of the regular grade course work in relation to expression and reception. <b><i>This course or English 9 is required for graduation.</i></b>		
<b>English 10</b>	<b>01002G1000</b>	<b>Credit: 1 Fee: N/A</b>
Pre-requisite: <i>Successful completion of English 9 preferred</i>		
In this course students learn and practice active listening, read a variety of workplace and literary texts, learn and practice essential digital skills, utilize a process to create and modify written work, implement conventions of language and usage, and utilize context to decipher word meanings. Tenth grade standards emphasize world literature to give students a broad and deep foundation. Students learn and practice active listening, read a variety of workplace and literary texts, learn and practice essential digital skills, utilize a process to create and modify written work, implement conventions of language and usage, and utilize context to decipher word meanings all through reading, listening, writing, and speaking. <b><i>This course is required for graduation.</i></b>		
<b>Honors English 10</b>	<b>01002H1000</b>	<b>Credit: 1 Fee: N/A</b>
Pre-requisite: <i>C or better in Honors English 9 preferred, but not required.</i>		
This course covers the same course content as English 10 but is more rigorous. It focuses on diving deeper into the content knowledge of context through a multicultural diversity of text and types of text, and it provides and extension of the regular grade course work in relation to expression and reception. <b><i>This course or English 10 is required for graduation.</i></b>		
<b>English 11</b>	<b>01003G1000</b>	<b>Credit: 1 Fee: N/A</b>
Pre-requisite: <i>Successful completion of English 10 preferred</i>		
In this course students will explore the literature of America before, during, and after European arrival. A year of specific attention because of literature's deep ties to all aspects of culture, and its study encourages a cross-curricular understanding and appreciation of qualities that distinguish American literature specifically and American culture in general with a primary focus on American literature. Students learn and practice active listening, read a variety of workplace and literary texts, learn and practice essential digital skills, utilize a process to create and modify written work, implement conventions of language and usage, and utilize context to decipher word meanings all through reading, listening, writing, and speaking. <b><i>This course is required for graduation.</i></b>		
<b>Honors English 11</b>	<b>01003H1000</b>	<b>Credit: 1 Fee: N/A</b>
Pre-requisite <i>C or better in Honors English 10 preferred, but not required</i>		
This course covers the same course content as English 11 but is more rigorous. It focuses on diving deeper into the content knowledge of context through a multicultural diversity of text and types of text, and it provides and extension of the regular grade course work in relation to expression and reception. <b><i>This course or English 11 is required for graduation.</i></b>		



<b>English 12</b>	<b>01004G1000</b>	<b>Credit: 1 Fee: N/A</b>
Pre-requisite: <i>Successful completion of English 11 preferred</i>		
In this course students focus on the literature of the British Isles, which provides both a linguistic and cultural starting point that more fully contextualizes the eventual forming of the United States and informs a sophisticated understanding of the connections between American and British literature contrasted with the unique character of each. British literature in the twelfth grade should read, analyze, and evaluate a play by William Shakespeare, including an examination of its contributions to the English language and his influences on other works of literature. Students learn and practice active listening, read a variety of workplace and literary texts, learn and practice essential digital skills, utilize a process to create and modify written work, implement conventions of language and usage, and utilize context to decipher word meanings all through reading, listening, writing, and speaking. <b><i>This course is required for graduation.</i></b>		
<b>Honors English 12</b>	<b>01006H1000</b>	<b>Credit: 1 Fee: N/A</b>
Pre-requisite: <i>C or better in Honors English 11 preferred, but not required.</i>		
This course covers the same course content as English 12 but is more rigorous. It focuses on diving deeper into the content knowledge of context through a multicultural diversity of text and types of text, and it provides an extension of the regular grade course work in relation to expression and reception. <b><i>This course or English 12 is required for graduation.</i></b>		
<b>Creative Writing Available Grades 10-12</b>	<b>01104G1000</b>	<b>Credit: 1 Fee: N/A</b>
Pre-requisite: <i>None</i>		
This course is an English elective credit that is designed to allow students to explore the composition of poetry, short stories, and critical responses. <b><i>This course does not satisfy an English requirement for graduation.</i></b>		
<b>Mythology and Fables Available Grades 10-12</b>	<b>01069G1000</b>	<b>Credit: 1 Fee: N/A</b>
Pre-requisite: <i>None</i>		
This course will allow students to explore the content and function of classical myths through a study of Greece and Rome; Egypt and Mesopotamia; China; Japan; and India. This course will cover both myths and fables. It will focus on the influence of mythology on religion, literature, cultural ideas, and science in the ancient world, as well as its influence on the modern world. Students will be expected to participate in numerous group projects, and demonstrate public speaking skills. <b><i>This course does not meet one of the English graduation credit requirements.</i></b>		
<b>Mass Media Available Grades 10-12</b>	<b>11149G1000</b>	<b>Credit: 1 Fee: N/A</b>
Pre-requisite: <i>None</i>		
This course will allow students to explore listening, analyzing, writing, and discussing television, newspapers, and film. <b><i>This course does not meet one of the English graduation credit requirements.</i></b>		

## High School Math Course Offerings and Descriptions

<b>Mathematics</b>			
<b>Math Core</b>			
Course Number	Course	Credit Eligible	Fee
02073G1000	Geometry with Data Analysis	1.0	No Fee
02073H1000	Honors Geometry with Data Analysis <sup>+</sup>	1.0	No Fee
02052G1000	Algebra I with Probability	1.0	No Fee
02052H0500	Honors Algebra I with Probability <sup>+</sup>	1.0	No Fee
02056G1000	Algebra II with Statistics	1.0	No Fee
02056H1000	Honors Algebra II with statistics <sup>+</sup>	1.0	No Fee
02136G1000	Applications of Finite Mathematics	1.0	No Fee
02137G1000	Mathematical Modeling	1.0	No Fee
02110E1001	AP Precalculus <sup>+</sup>	1.0	\$98*
02124E1000	AP Calculus AB <sup>+</sup>	1.0	\$98*
<b><i>For Dual Enrollment Options see the Dual Enrollment Section</i></b>			
<b><i>+Designates a 1 point GPA weight addition</i></b>			

## Potential Math Pathways for Honors Endorsement

### Students who completed 7<sup>th</sup> and 8<sup>th</sup> Grade Accelerated Math

<u>9<sup>th</sup> Grade</u>	<u>10<sup>th</sup> Grade</u>	<u>11<sup>th</sup> Grade</u>	<u>12<sup>th</sup> Grade</u>
<ul style="list-style-type: none"> <li>• Honors Geometry w/ Data Analysis                             <ul style="list-style-type: none"> <li>• Yearlong</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Honors Algebra II w/ Statistics</li> </ul>	<ul style="list-style-type: none"> <li>• AP Precalculus</li> </ul> <hr/> <ul style="list-style-type: none"> <li>• DE MTH 112</li> </ul>	<ul style="list-style-type: none"> <li>• AP Calculus AB</li> <li>• DE MTH 112</li> <li>• DE MTH 125</li> <li>• DE Math (highest required by degree plan)</li> </ul> <hr/> <ul style="list-style-type: none"> <li>• DE MTH 113</li> <li>• DE MTH 125</li> <li>• DE Math (highest required by degree plan)</li> </ul>
<ul style="list-style-type: none"> <li>• Honors Geometry w/ Data Analysis                             <ul style="list-style-type: none"> <li>• yearlong</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Honors Algebra w/ Probability                             <ul style="list-style-type: none"> <li>• yearlong</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Honors Algebra II w/ Statistics                             <ul style="list-style-type: none"> <li>• 1<sup>st</sup> Semester</li> </ul> </li> <li>• AP Precalculus                             <ul style="list-style-type: none"> <li>• 2<sup>nd</sup> Semester</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• AP Calculus AB</li> <li>• DE MTH 112</li> <li>• DE MTH 125</li> <li>• DE Math (highest required by degree plan)</li> </ul>

### Students who did not complete 7<sup>th</sup> and 8<sup>th</sup> Grade Accelerated Math

*Additionally, available for those that did take Advanced math in 7<sup>th</sup> and 8<sup>th</sup> Grade. The final pathway below does not lead to an honors endorsement.*

<u>9<sup>th</sup> Grade</u>	<u>10<sup>th</sup> Grade</u>	<u>11<sup>th</sup> Grade</u>	<u>12<sup>th</sup> Grade</u>
<ul style="list-style-type: none"> <li>• Honors Geometry w/ Data Analysis                             <ul style="list-style-type: none"> <li>• yearlong</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Honors Algebra w/ Probability                             <ul style="list-style-type: none"> <li>• yearlong</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Honors Algebra II w/ Statistics                             <ul style="list-style-type: none"> <li>• 1<sup>st</sup> Semester</li> </ul> </li> <li>• AP Precalculus                             <ul style="list-style-type: none"> <li>• 2<sup>nd</sup> Semester</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• AP Calculus AB</li> <li>• DE MTH 112</li> <li>• DE MTH 125</li> <li>• DE Math (highest required by degree plan)</li> </ul>
<ul style="list-style-type: none"> <li>• Honors Geometry w/ Data Analysis                             <ul style="list-style-type: none"> <li>• yearlong</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Honors Algebra w/ Probability                             <ul style="list-style-type: none"> <li>• yearlong</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Honors Algebra II w/ Statistics</li> </ul>	<ul style="list-style-type: none"> <li>• AP Precalculus</li> <li>• DE MTH 112</li> <li>• DE Math (highest required by degree plan)</li> </ul>
<ul style="list-style-type: none"> <li>• Geometry w/ Data Analysis                             <ul style="list-style-type: none"> <li>• yearlong</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Algebra w/ Probability                             <ul style="list-style-type: none"> <li>• yearlong</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Algebra II w/ Statistics</li> </ul>	<ul style="list-style-type: none"> <li>• Mathematic Modeling</li> <li>• Applications of Finite Mathematics</li> <li>• AP Precalculus</li> <li>• DE MTH 112</li> <li>• DE Math (highest required by degree plan)</li> </ul>

*\*Students seeking an honors endorsement will be required to be enrolled in an honors level math course each year and complete at minimum AP Precalculus or a Dual Enrollment equivalent. Students must also take successive courses and are unable to drop to a lower level math course upon completion of a higher-level math.*

Course Name	ALSDE Course Number	Credit/Fee
<b>Geometry with Data Analysis</b> <i>Available grade 9</i>	<b>02073G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Grade 8 Mathematics or Grade 8 Accelerated Mathematics</i>		
<i>Geometry with Data Analysis is the first of three required courses in high school mathematics.</i> In Geometry with Data Analysis, students incorporate knowledge and skills in Geometry and Measurement, Algebra and Functions, and Data Analysis, Statistics, and Probability, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study. The prerequisite for Geometry with Data Analysis is either Grade 8 Mathematics or Grade 8 Accelerated Mathematics. For students who opt to accelerate their mathematical pathways in the 9th grade, Geometry with Data Analysis may also be taken concurrently with Algebra I with Probability. <b><i>This course is required for graduation.</i></b>		
<b>Honors Geometry with Data Analysis</b> <i>Available grade 9</i>	<b>02073H1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Grade 8 Accelerated Mathematics preferred but not required</i>		
Honors Geometry with Data Analysis is the same course as Geometry with Data Analysis. However, it progresses at a faster pace and often includes additional concepts not covered in Geometry with Data Analysis. <b><i>This course, Algebra I with Probability, or equivalent courses are required for graduation.</i></b>		
<b>Algebra I with Probability</b> <i>Available grades 9 – 10</i>	<b>02052G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Geometry with Data Analysis</i>		
Algebra I with Probability builds upon algebraic concepts studied in Grade 7 and Grade 8 Mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. <b><i>Algebra I with Probability is the second of three courses required for all students.</i></b> Students may enroll in this course after completing Geometry with Data Analysis in Grade 9. <b><i>Students that have previously taken Grade 7 and Grade 8 Accelerated Mathematics may bypass this course if they have shown adequate progress by the end of Geometry with Data Analysis in the 9<sup>th</sup> grade. Students who have not previously taken Grade 7 and 8 Accelerated Mathematics and wish to accelerate their mathematics pathways in high school may also elect to enroll in Algebra I with Probability during the same year with Geometry with Data Analysis in the 9th grade. This course or equivalent courses are required for graduation.</i></b>		
<b>Honors Algebra I with Probability</b> <i>Available grades 9 – 10</i>	<b>02052H0500</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Geometry with Data Analysis</i>		
Honors Algebra I with Probability is the same course as Algebra I with Probability. However, it progresses at a faster pace and often includes additional concepts not covered in Algebra I with Probability. <b><i>This course, Algebra I with probability, or equivalent courses are required for graduation.</i></b>		

<b>Algebra II with Statistics</b> <i>Available grades 10 - 11</i>	<b>02056G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Geometry with Data Analysis and either Algebra I with Probability or the combination of the Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics</i>		
Algebra II with Statistics builds on the student's experiences in previous mathematics in Geometry with Data Analysis and Algebra I with Probability. <b>It is the third of three required courses</b> , and it is to be taken following the successful completion of Geometry with Data Analysis and either Algebra I with Probability or the combination of the Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics course sequence. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student's interests and plans beyond high school. Algebra II with Statistics is the prerequisite for Applications of Finite Mathematics, Mathematical Modeling, Precalculus, and all other approved ALSDE mathematics classes designed for completion of the fourth mathematics credit. <b>This course is required for graduation.</b>		
<b>Honors Algebra II with Statistics</b> <i>Available grades 10-11</i>	<b>02056H1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Honors Geometry with Data Analysis and either Honors Algebra I with Probability or the combination of the Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics preferred, but not required</i>		
Honors Algebra II with Statistics is the same course as Algebra II with Statistics. However, it progresses at a faster pace and often includes additional concepts not covered in Algebra II with Statistics. <b>This course or Algebra II with Statistics is required for graduation.</b>		
<b>Applications of Finite Mathematics</b> <i>Available grades 11 – 12</i>	<b>02136G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Algebra II with Statistics</i>		
Applications of Finite Mathematics was developed as a fourth-year course that extends beyond the three years of essential content that is required for all high school students. Applications of Finite Mathematics provides students with the opportunity to explore mathematics concepts related to discrete mathematics and their application to computer science and other fields and includes areas of study that are critical to the fast-paced growth of a technologically advancing world. The wide range of topics in Applications of Finite Mathematics includes logic, counting methods, information processing, graph theory, election theory, and fair division, with an emphasis on relevance to real-world problems. Logic includes recognizing and developing logical arguments and using principles of logic to solve problems. Students are encouraged to use a variety of approaches and representations to make sense of advanced counting problems, then develop formulas that can be used to explain patterns. Applications in graph theory allow students to use mathematical structures to represent real world problems and make informed decisions. Election theory and fair division applications also engage students in democratic decision-making so that they recognize the power of mathematics in shaping society. The prerequisite for Applications of Finite Mathematics is Algebra II with Statistics. <b>Students who have previously been awarded a Discrete Mathematics credit prior to the 2021-2022 school year are not eligible to take this course.</b>		

<b>Mathematical Modeling</b> <i>Available grades 11 – 12</i>	<b>02137G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Algebra II with Statistics</i>		
Mathematical Modeling is developed to expand on and reinforce the concepts introduced in Geometry with Data Analysis, Algebra I with Probability, and Algebra II with Statistics by applying them in the context of mathematical modeling to represent and analyze data and make predictions regarding real-world phenomena. Mathematical Modeling is designed to engage students in doing, thinking about, and discussing mathematics, statistics, and modeling in everyday life. It allows students to experience mathematics and its applications in a variety of ways that promote financial literacy and data-based decision-making skills. This course also provides a solid foundation for students who are entering a range of fields involving quantitative reasoning, whether or not they require calculus. The prerequisite for Mathematical Modeling is Algebra II with Statistics.		
<b>AP Precalculus</b> <i>Available grades 11 – 12</i>	<b>02110E1001</b>	<b>Credit: 1</b> <b>Fee: \$98*</b>
Pre-requisite: <i>Completion of Honors Algebra II with Statistics is preferred but not required</i>		
AP Precalculus prepares students for other college-level mathematics and science courses. The framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science. Students study each function type through their graphical, numerical, verbal, and analytical representations and their applications in a variety of contexts. Furthermore, students apply their understanding of functions by constructing and validating appropriate function models for scenarios, sets of conditions, and data sets, thereby gaining a deeper understanding of the nature and behavior of each function type. Modeling is also a key feature of the course. Students select, construct, and validate function models using transformations of functions and regressions. Students learn to select mathematical models-based characteristics of a bivariate data set; characteristics of covarying quantities and their relative rates of change; or a set of characteristics such as zeros, asymptotes, and extrema. Students also identify, interpret, and apply information from a function model for a given context or data set, subject to assumptions and limitations related to the context. <b><i>This course has a fee of \$98.00 for students wishing to take the AP exam. This course does qualify for 1 math credit towards the graduation requirements.</i></b>		
<b>AP Calculus AB</b> <i>Available grades 11 – 12</i>	<b>02124E1000</b>	<b>Credit: 1</b> <b>Fee: \$98*</b>
Pre-requisite: <i>Completion of Algebra 1, Geometry, Algebra 2 with Trigonometry, Precalculus, and teacher recommendation</i>		
AP Calculus includes two courses, AP Calculus AB and AP Calculus BC, which were developed in collaboration with college faculty. The curriculum for AP Calculus AB is equivalent to that of a first-semester college calculus course, while AP Calculus BC is equivalent to a first-semester college calculus course and the subsequent single-variable calculus course. Calculus BC is an extension of Calculus AB rather than an enhancement; common topics require a similar depth of understanding. Both courses are intended to be challenging and demanding, and each is designed to be taught over a full academic year. AP Calculus AB is structured around three big ideas: limits, derivatives, and integrals and the Fundamental Theorem of Calculus. AP Calculus BC explores these ideas in additional contexts and also adds the big idea of series. In both courses, the concept of limits is foundational; the understanding of the fundamental tool leads to the development of more advanced tools and concepts that prepare students to grasp the Fundamental Theorem of Calculus, a central idea of AP Calculus. <b><i>This course has a fee of \$98.00 for students wishing to take the AP exam. This course does qualify for 1 math credit towards the graduation requirements.</i></b>		

## High School Science Course Offerings and Descriptions

Science			
Science Core			
Biology Core			
Course Number	Course	Credit Eligible	Fee
03051G1000	Biology	1.0	No Fee
03051H1000	Honors Biology <sup>+</sup>	1.0	No Fee
Physical Science Core			
03159G1000	Physical Science	1.0	No Fee
03101H1000	Honors Chemistry <sup>+</sup>	1.0	TBD
03151H1000	Honors Physics <sup>+</sup>	1.0	TBD
Science Core Electives			
03053G1000	Human Anatomy and Physiology	1.0	TBD
03053H1000	Honors Human Anatomy and Physiology <sup>+</sup>	1.0	\$20
03003G1000	Environmental Science	1.0	\$15
03008G1000	Earth and Space Science	1.0	\$15
15055G1000	Forensics	1.0	\$15
<i>For Dual Enrollment Options see the Dual Enrollment Section</i>			
<i>+Designates a 1 point GPA weight addition</i>			

Course Name	ALSDE Course Number	Credit/Fee
<b>Biology</b> Available grade 9	03051G1000	Credit: 1 Fee: N/A
Pre-requisite: <i>None</i>		
<p>Biology is a required, inquiry-based course focused on providing all high school students with foundational life science content about the patterns, processes, and interactions among living organisms. Content standards within this course are organized according to the disciplinary core ideas for the Life Science domain. The first core idea, From Molecules to Organisms: Structures and Processes, concentrates on the structure of cells and how their functions are necessary for supporting life, growth, behavior, and reproduction. The second core idea, Ecosystems: Interactions, Energy, and Dynamics, investigates the positive and negative interactions between living organisms and other biotic and abiotic factors. The third core idea, Heredity: Inheritance and Variation of Traits, centers on the formation of proteins that affect the trait expression, also known as the central dogma of molecular biology; the passing of distinguishing genetic information throughout generations; and how environmental factors and genetic errors can cause gene mutations. The fourth core idea, Unity and Diversity, examines the variation of traits within a population over a long period of time that results in diversity among organisms. <b><i>Students may receive credit for Biology or Pre-AP Biology but not both. This course is required for graduation.</i></b></p>		

<b>Honors Biology</b> <b>Available grade 9</b>	<b>03051H1000</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Teacher recommendation is preferred but not required</i>		
The Pre-AP Biology course emphasizes the integration of content with science practices—powerful reasoning tools that support students in analyzing the natural world around them. This ability is one of the hallmarks of scientific literacy, and it cultivates a more sustainable pathway to numerous college and career opportunities in science as well as numerous natural and social sciences. This course focuses deeply on the foundational biology knowledge and skills that matter most in preparing students for subsequent coursework in science. This course concentrates on the core areas of ecological systems, evolution, cellular systems, and genetics. Rather than understanding content topics in isolation, students will make meaningful connections between the structures, processes, and interactions that exist across biological systems—from cells to ecological communities. <b><i>Students may receive credit for Biology or Honors Biology but not both. This course or Biology is required for graduation.</i></b>		
<b>Physical Science</b> <b>Available grades 10-12</b>	<b>03159G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
Physical Science is a science course focused on the conceptual progression of understanding and knowledge of physical science standards from earlier grades with engineering design integration and focus on crosscutting concepts, science and engineering practices; and the basic concepts of chemistry and physics including matter and its interactions, motion and stability, energy, and waves and information technologies. <b><i>This course fulfills the physical science requirement for graduation.</i></b>		
<b>Honors Chemistry</b> <b>Available grades 10 – 12</b>	<b>03101H1000</b>	<b>Credit: 1</b> <b>Fee TBD</b>
Pre-requisite: <i>Completion Biology and enrollment in Algebra 1 with Probability preferred</i>		
Honors Chemistry is an elective science course that provides students with an in-depth and progression of understanding and knowledge of the properties and interactions of matter including matter and its interactions, concentration of forces and motion, types of interactions, stability and instability in chemical systems, conservation of energy, energy transformations, and applications of energy to everyday life with a focus on the application of biology, earth science, environmental science, and physiology to the study of chemistry. Includes the integration of engineering design, crosscutting concepts, and science and engineering practices from the science framework. <b><i>Students may receive credit for Chemistry or Honors Chemistry, but not both. This course fulfills the physical science requirement for graduation.</i></b>		
<b>Honors Physics</b> <b>Available grades 10 – 12</b>	<b>03151H1000</b>	<b>Credit: 1</b> <b>Fee: TBD</b>
Pre-requisite: <i>Completion of Biology and enrollment in Algebra 2 with Statistics is preferred</i>		
Are you interested in a job in the mathematical, medical, or engineering field? If you are not interested in those, don't worry. Physics can benefit people seeking careers in fields such as Meteorology, Computer Science, Forensics, and Agriculture just to name a few. Physics will equip you with the necessary critical thinking and communication skills to succeed in many different areas. This course is a math-based science class designed to give students a basic overview of physics. It will cover most concepts taught in a first-year general physics college program. The course will utilize laboratory situations and math skills to apply the concepts. While Physics is not required, it is highly recommended in order to maximize learning. This course will meet the physical science requirement needed for graduation. This course will serve as a great introduction to AP Physics. <b><i>This course fulfills the physical science requirement for graduation.</i></b>		



<b>Human Anatomy and Physiology</b> <i>Available grades 11 – 12</i>	<b>03053G1000</b>	<b>Credit: 1</b> <b>Fee: TBD</b>
Pre-requisite: <i>Completion of Biology and a physical science</i>		
The Human Anatomy and Physiology course is designed to address the structure and function of human body systems from the cellular level to the organism level; interactions within and between systems that maintain homeostasis in organisms; how personal choices, environmental factors, and genetic factors affect the human body. <b><i>This course fulfills one science credit towards the graduation requirements. Students may receive credit for Human Anatomy and Physiology or Honors Human Anatomy and Physiology but not both.</i></b>		
<b>Honors Human Anatomy and Physiology</b> <i>Available grades 11 – 12</i>	<b>03053H1000</b>	<b>Credit: 1</b> <b>Fee: TBD</b>
Pre-requisite: <i>Completion of Biology, a physical science, and a teacher recommendation is preferred</i>		
The Honors Human Anatomy and Physiology course is designed to take a more advanced look at the structure and function of human body systems from the cellular level to the organism level; interactions within and between systems that maintain homeostasis in organisms; how personal choices, environmental factors, and genetic factors affect the human body. <b><i>This course fulfills one science credit towards the graduation requirements. Students may receive credit for Human Anatomy and Physiology or Honors Human Anatomy and Physiology but not both.</i></b>		
<b>Earth and Space Science</b> <i>Available grades 11 – 12</i>	<b>03008G1000</b>	<b>Credit: 1</b> <b>Fee: TBD</b>
Pre-requisite: <i>Completion of Biology and a physical science</i>		
The Earth and Space Science course content focuses on a comprehensive application of all disciplines of science and is based upon the biologically active nature of our ever-changing planet and the integration of systems that constantly evolve. The Earth and Space Science standards provide a depth of conceptual understanding to adequately prepare students for college, career, and citizenship with an appropriate level of scientific literacy. The foundation of the course is taken from two disciplinary core ideas in the Earth and Space Science domain. The first core idea, Earth's Place in the Universe, addresses the concepts of the universe and its stars, Earth and the solar system, and the history of planet Earth. The second core idea, Earth's Systems, examines Earth's materials and systems, plate tectonics and large-scale system interactions, the roles of water in Earth's surface processes, weather and climate, and bio geology. <b><i>This course fulfills one science credit towards the graduation requirements.</i></b>		
<b>Environmental Science</b> <i>Available grades 11 – 12</i>	<b>03003G1000</b>	<b>Credit: 1</b> <b>Fee: TBD</b>
Pre-requisite: <i>Completion of biology and a physical science</i>		
Environmental Science is a course that introduces students to a broad view of the biosphere and the physical parameters that affect it. The foundation of the course is based on Earth and Human Activity, one of the disciplinary core ideas in the Earth and Space Science domain. This core idea involves areas of study that include natural resources, natural hazards, human impacts on Earth systems, and global climate change. The course incorporates the scientific and engineering practices reflecting the scientific processes used in science, technology, engineering, and mathematics (STEM) fields. The scientific and engineering practices are implemented through a student-centered and collaborative classroom environment that is laboratory-intensive and includes field investigations and case studies. <b><i>This course fulfills one science credit towards the graduation requirements.</i></b>		

<b>Forensics</b> <i>Available grades 11-12</i>	<b>15055G1000</b>	<b>Credit:1</b> <b>Fee: TBD</b>
Pre-requisite: <i>None</i>		
Forensic Science and Crime Scene Investigation teaches students to apply chemistry, physics, and biology to a suspect, a criminal act or behavior, or a victim. This course prepares students in two distinct concentrations. The Forensic Science portion focuses on working in a crime lab setting as a forensic scientist or technician. Crime Scene Investigations covers the application of the scientific method at a crime scene, including scene processing and the identification and collection of evidence. <b><i>This course fulfills one science credit towards the graduation requirements.</i></b>		

## High School Social Studies Course Offerings and Descriptions

Social Studies			
Social Studies Core			
Course Number	Course	Credit Eligible	Fee
04053G1000	World History: 1500 - Present	1.0	No Fee
04053H1000	Honors World History: 1500 - Present	1.0	No Fee
04102G1000	United States History 1: Beginnings to Industrial Revolution	1.0	No Fee
04102H1000	Honors United States History 1: Beginnings to Industrial Revolution <sup>+</sup>	1.0	No Fee
04103G1000	United States History 2: Industrial Revolution to the Present	1.0	No Fee
04103H1000	Honors United States History 2: Industrial Revolution to the Present <sup>+</sup>	1.0	No Fee
04151G0500	United States Government	0.5	No Fee
04151H0500	Honors United States Government <sup>+</sup>	0.5	No Fee
04201G0500	Economics	0.5	No Fee
04201H0500	Honors Economics <sup>+</sup>	0.5	No Fee
Social Studies Electives			
04064G1000	Contemporary Issues and Civic Engagement	1.0	No Fee
04254G1000	Psychology	1.0	No Fee
04258G1000	Sociology	1.0	No Fee
04001G1000	World Geography	1.0	No Fee
<b><i>For Dual Enrollment Options see the Dual Enrollment Section</i></b>			
<i>+Designates a 1 point GPA weight addition</i>			

Course Name	ALSDE Course Number	Credit/Fee
World History: 1500 – Present	04053G1000	Credit: 1 Fee: N/A
Pre-requisite: <i>None</i>		
<p>This course continues the study of world history from 1500 to the present. Through historical inquiry, students gain an understanding and appreciation of history as a story of people much like themselves, and they become increasingly able to understand global interdependence and connections among world societies. The course directs students to think critically about the forces that combined to shape the world today. It allows them to analyze development and changes in the European, Asian, African, and American civilizations and ways in which interactions of these cultures have influenced the formation of today’s world. Knowledge of other cultures enables students to develop a better appreciation for the unique American heritage of liberty. Geographic concepts increase learners’ comprehension of global connections as they expand their knowledge and understanding of a wide variety of cultures, both historical and contemporary. <b><i>This is a required course for graduation</i></b></p>		

<b>Honors World History: 1500 – Present</b>	<b>04053H1000</b>	<b>Credit: 1 Fee: N/A</b>
Pre-requisite: <i>Teacher recommendation is preferred but not required</i>		
Honors World History: 1500 – Present is the same course as World History: 1500 – Present. However, it progresses at a faster pace and often includes additional concepts not covered in World History: 1500 – Present. <b><i>This course or World History: 1500 – Present is required for graduation.</i></b>		
<b>United States History 1: Beginnings to Industrial Revolution</b>	<b>04102G1000</b>	<b>Credit: 1 Fee: N/A</b>
Pre-requisite: <i>Completion of World History is preferred</i>		
This course forms the foundation for understanding the development and principles of modern American society. Beginning with the earliest explorations of American continents, this course offers a chronological study of major events, issues, movements, individuals, and diverse groups of people in the United States from a national and an Alabama perspective. In addition to gaining essential knowledge regarding this period of our nation’s past, students develop historical-thinking skills, which include chronological thinking, historical comprehension, historical analysis and interpretation, historical research, and analysis and decision making. <b><i>This is a required course for graduation.</i></b>		
<b>Honors United States History 1: Beginnings to Industrial Revolution</b>	<b>04102H1000</b>	<b>Credit: 1 Fee: N/A</b>
Pre-requisite: <i>C or better in Honors World History and teacher recommendation preferred</i>		
Honors United States History 1 is the same course as United States History 1. However, it progresses at a faster pace and often includes additional concepts not covered in United States History 1. <b><i>This course or United States History 1 is required for graduation.</i></b>		
<b>United States History 2: Industrial Revolution to the Present</b>	<b>04103G1000</b>	<b>Credit: 1 Fee: N/A</b>
Pre-requisite: <i>Completion of US History 1</i>		
This course builds upon the foundation of knowledge and skills gained in the US History I curriculum by providing a study of the modern history of the United States that expands students’ understanding of the principles of American society. Beginning with America’s shift to a more industrialized society, this course offers a chronological study through the twenty-first century of major events, issues, movements, individuals, and diverse groups of people in the United States from a national and an Alabama perspective. While learning essential knowledge regarding this period in America’s past, students develop historical-thinking skills, including chronological thinking, historical comprehension, historical analysis and interpretation, historical research, and analysis and decision making. <b><i>This course is required for graduation.</i></b>		
<b>Honors United States History 2: Industrial Revolution to the Present</b>	<b>04103H1000</b>	<b>Credit: 1 Fee: N/A</b>
Pre-requisite: <i>C or better in Honors United States History 1 and teacher recommendation preferred</i>		
This is a two-semester course in 20th Century United States History, American literature, composition, logical thinking and application offered to juniors who want to learn by doing. The program fulfills graduation requirements for one credit of 11th grade U.S. History II and one credit of 11th grade English. Learning opportunities include cooperative group activities, contact with resource persons, cultural exploration, and self-directed activities. <b><i>This course does or US History 2 is required for graduation.</i></b>		

<b>United States Government</b>	<b>04151G0500</b>	<b>Credit: 0.5 Fee: N/A</b>
Pre-requisite: <i>None</i>		
United States Government is a nine-week required course for students in Grade 12. The course goal is for students to develop the civic knowledge necessary for becoming active participants as citizens of this nation. Achievement of this goal prepares students to participate as informed citizens through voting, serving on a jury, holding political office, and deliberating public policy. <b><i>This course is required for graduation. Students are required to successfully pass a civics test as a required component for completing the government course.</i></b>		
<b>Honors United States Government</b>	<b>04151H0500</b>	<b>Credit: 0.5 Fee: N/A</b>
Pre-requisite: <i>C or better in at least one Honors Social Studies Course</i>		
Honors United States Government is a course that completes advanced work in the government's origins, functions, and branches of U. S. government; representative democracy; federalism; political/civic life; analysis of Constitution, Bill of Rights, and other relevant documents; foreign policy <b><i>This course does qualify for the government requirement for graduation. Students are required to successfully pass a civics test as a required component for completing the government course</i></b>		
<b>Economics</b>	<b>04201G0500</b>	<b>Credit: 0.5 Fee: N/A</b>
Pre-requisite: <i>None</i>		
Economics is a nine-week, required course for students in Grade 12 that addresses essential concepts necessary for students to completely and effectively participate in a complex global society. Content encompasses both microeconomic and macroeconomic principles. Key elements include the study of scarcity, supply and demand, market structures, the role of government, national income determination, money and the role of financial institutions, economic stabilization, and trade. Students use knowledge and critical-thinking skills learned in previous social studies courses to analyze issues and problems and contemporary economic systems. They examine the consequences of public policies and their impact on a free market economy. <b><i>This course is required for graduation. This course also awards students credit for Career Preparedness B.</i></b>		
<b>Honors Economics</b>	<b>04201H0500</b>	<b>Credit: 0.5 Fee: N/A</b>
Pre-requisite: <i>Completion of Honors United States Government</i>		
Honors Economics is a course that reviews the basic elements of economics; comparative economic systems and economic theories; role of the consumer; business and labor issues; functions of government; structure of U. S. banking system; role of Federal Reserve Bank <b><i>This course does qualify for the economics requirement for graduation. This course also awards students credit for Career Preparedness B.</i></b>		
<b>Contemporary Issues and Civic Engagement</b> <i>Available grades 10 – 12</i>	<b>04064G1000</b>	<b>Credit: 1 Fee: N/A</b>
Pre-requisite: <i>None</i>		
Contemporary World Issues and Civic Engagement is an elective course designed to acquaint students with current events of local, state, national, and international interest. Knowledge about and analysis of current events are vital elements in students' educational development as they prepare for their roles as active citizens. This course allows students to acquire knowledge of key contemporary personalities and events that impact their lives. Daily and weekly news sources serve as primary references for the organization of the content of this course. <b><i>This course does not meet one of the Social Studies graduation requirements.</i></b>		

<b>Psychology</b> <i>Available in grades 10 - 12</i>	<b>04254G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
Psychology acquaints students with psychological theories, principles, and practices associated with the major subfields or domains, including Scientific Inquiry, Biopsychology, Consciousness Development, Learning, Social Interactions, Cognition, Individual Variations, and Applications of Psychological Science. <b><i>This course does not meet one of the Social Studies graduation requirements.</i></b>		
<b>Sociology</b> <i>Available grades 9 - 12</i>	<b>04258G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
Sociology is the study of human society that focuses on the formation and action of human groups. A general study of sociology includes topics such as culture and society, social inequality, social institutions, and social change. These topics require students to possess a general knowledge of the world in which they live and an understanding of how individuals interact in various kinds of groups. In order to address issues involved in living together in societal groups, students examine the importance of tolerance and respect for others and are challenged to actively research and discuss influences of genetics, demographics, religion, and personal behaviors upon society. <b><i>This course does not meet one of the Social Studies graduation requirements.</i></b>		
<b>World Geography</b> <i>Available grades 10 - 12</i>	<b>04001G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
This course focuses on the major world geographic areas; interrelationships between people and habitat; political, social, cultural, and economic geography. <b><i>This course does not meet one of the Social Studies graduation requirements.</i></b>		

## High School Fine Arts Course Offerings and Descriptions

Fine Arts			
Band			
Course Number	Course	Credit Eligible	Fee
05103G1001	Marching Band I	1.0	TBD
05102G1002	Marching Band II		
05103G1003	Marching Band III		
05103G1004	Marching Band IV		
05102G1001	Concert Band I	1.0	TBD
05102G1002	Concert Band II		
05102G1003	Concert Band III		
05102G0504	Concert Band IV		
05149G1011	Instrumental Elective I – Novice	1.0	TBD
Choral			
05110G1001	Mixed Chorus I	1.0	TBD
05110G1002	Mixed Chorus II		
05110G1003	Mixed Chorus III		
05110G1004	Mixed Chorus IV		
Theatre			
05052G1001	Theatre I	1.0	TBD
05052G1002	Theatre II	1.0	TBD
<b><i>For Dual Enrollment Options see the Dual Enrollment Section</i></b>			
<i>+Designates a 1 point GPA weight addition</i>			

## Band Course Offerings and Descriptions

Course Name	ALSDE Course Number	Credit/Fee
<b>Marching Band I (Grade 9)</b>	<b>05103G1001</b>	<b>Credit: 1</b>
<b>Marching Band II (Grade 10)</b>	<b>05102G1002</b>	<b>Fee: TBD</b>
<b>Marching Band III (Grade 11)</b>	<b>05103G1003</b>	
<b>Marching Band IV (Grade 12)</b>	<b>05103G1004</b>	
<b><i>Pre-requisite: Tryout and Band Director approval required</i></b>		
<p>This course is designed to allow music students to experience instrumental music in a marching band setting. Students will develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. <b><i>This course does qualify for the PE graduation requirement.</i></b></p>		

<b>Concert Band I (Grade 9)</b>	<b>05102G1001</b>	<b>Credit: 1</b> <b>Fee: TBD</b>
<b>Concert Band II (Grade 10)</b>	<b>05102G1002</b>	
<b>Concert Band III (Grade 11)</b>	<b>05102G1003</b>	
<b>Concert Band IV (Grade 12)</b>	<b>05102G0504</b>	
Pre-requisite: <i>Tryout and Band Director approval required</i>		
This course is designed to allow music students to experience instrumental music in a concert band setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.		
<b>Instrumental Elective I – Novice</b> <b>Available grades 9 – 12</b>	<b>05149G10I1</b>	<b>Credit: 1</b> <b>Fee: TBD</b>
Pre-requisite: <i>Tryout and Band Director approval required</i>		
Instrumental ensemble course for novice musicians.		

### Choral Music Course Offerings and Descriptions

<b>Introduction to Mixed Chorus (Grade 9)</b>	<b>05110G1001</b>	<b>Credit: 1</b> <b>Fee: TBD</b>
<b>Mixed Chorus II (Grade 10)</b>	<b>05110G1002</b>	
<b>Mixed Chorus III (Grade 11)</b>	<b>05110G1003</b>	
<b>Mixed Chorus IV (Grade 12)</b>	<b>05110G1004</b>	
Pre-requisite: <i>Audition required</i>		
This course is designed to allow students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. This course is for members of the varsity singers. <b><i>This course does not qualify for the PE graduation Requirement.</i></b>		

### Theatre Course Offerings and Descriptions

<b>Theatre I</b> <b>Available Grades 9-12</b>	<b>05052G1001</b>	<b>Credit: 1</b> <b>Fee: TBD</b>
Pre-requisite: <i>None</i>		
This course, proficient level, explores beginning theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how theatre communicates ideas and allows for self-expression. Students will study, write and/or perform scenes and monologues. Students will also be introduced to basic history of theater and technical theatre.		
<b>Theatre II</b> <b>Available Grades 9-12</b>	<b>05052G1002</b>	<b>Credit: 1</b> <b>Fee: TBD</b>
Pre-requisite: <i>Completion of Theatre I</i>		
This course, accomplished level, continues the study of theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how theatre communicates ideas and allows for self-expression. Students will study, write and/or perform scenes and monologues. Students will use their acting to refine their theatre and technical technique. Students will study the history of theatre and perform solo, duo and group theatre works.		



## High School Foreign Language Course Offerings and Descriptions

The goal of the World Languages program is to develop a level of language proficiency and cultural competence which students need to thrive in both college curriculum and careers which bring them into contact with other cultures. World Language classrooms will prepare students with the expertise and skills they need to thrive in an emerging economy. While the Alabama High School Diploma does not require credits in World Languages, numerous universities in the state require successful completion of a sequence of World Languages for admission, and the overwhelming majority of universities in the region encourage high school students to complete such courses as advanced electives for freshman admission. Students may register for both Fall and Spring semesters.

Foreign Language			
Spanish			
Course Number	Course	Credit Eligible	Fee
<b>24102G1000</b>	<b>French I<sup>+</sup></b>	<b>1.0</b>	<b>No Fee</b>
<b>24103G1000</b>	<b>French II<sup>+</sup></b>	<b>1.0</b>	<b>No Fee</b>
<b>24052G1000</b>	<b>Spanish I<sup>+</sup></b>	<b>1.0</b>	<b>No Fee</b>
<b>24053G1000</b>	<b>Spanish II<sup>+</sup></b>	<b>1.0</b>	<b>No Fee</b>
<b>24054G1000</b>	<b>Spanish III<sup>+</sup></b>	<b>1.0</b>	<b>No Fee</b>
<b>24055G1000</b>	<b>Spanish IV<sup>+</sup></b>	<b>1.0</b>	<b>No Fee</b>
<b>24099E1000</b>	<b>Conversational Spanish</b>	<b>1.0</b>	<b>No Fee</b>
<i>+Designates a 1 point GPA weight addition</i>			

Course Name	ALSDE Course Number	Credit/Fee
<b>French I</b> <i>Available Grades 9-12</i>	<b>24102G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
This course focuses on listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of French-speaking cultures		
<b>French II</b> <i>Available Grades 9-12</i>	<b>24103G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of French I</i>		
This course expounds on the concepts of listening and speaking skills including understanding and responding to a variety of directions, commands, and questions related to personal preferences; reading with comprehension main ideas from simple texts; writing with comprehension short presentations; further understanding of French-speaking cultures covered in French I.		

<b>Spanish I</b> <i>Available grades 9 – 12</i>	<b>24052G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
Spanish I is an academic elective and college prep course. Level I content standards provide students the opportunity to begin the study of Spanish while introducing them to the study of Hispanic cultures. Basic pronunciation, vocabulary, grammar, and culture are included in the course. Acquisition of Level I knowledge and skills help students understand their own language and culture, develop insight into cultures other than their own, and participate more fully in the global community.		
<b>Spanish II</b> <i>Available grades 10 – 12</i>	<b>24053G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>C or better in Spanish I preferred</i>		
This course builds upon knowledge and skills acquired in the Level I Spanish. Students will focus on more advanced elements of communications. Students will use the language in oral and written form in the past time frame, give and respond to commands, and state preferences and opinions to interact with a variety of situations. Study of the history and culture of Spanish speakers will continue.		
<b>Spanish III</b> <i>Available grades 10 – 12</i>	<b>24054G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>C or better in Spanish I and Spanish II required</i>		
Spanish III is a weighted academic elective and college prep course. Level III content standards focus on continuing the development of communicative competence in the target language and on building a deeper understanding of the cultures of those who speak the language. Students are able to use basic language structures with an increased level of accuracy and recombine learned material to express their thoughts. They study more complex features of the language, progressing from concrete to abstract concepts.		
<b>Spanish IV</b> <i>Available grades 10 – 12</i>	<b>24055G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>C or better in Spanish I, Spanish II, and Spanish III required</i>		
Spanish IV is a weighted academic and college prep course. The course continues the focus on speaking, reading, and writing proficiency through the study of literature, history and contemporary events and issues in the target cultures. The content standards require study of complex features of the language and to comprehend more abstract concepts		
<b>Conversational Spanish</b> <i>Available grades 9 – 12</i>	<b>240099E1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
Spanish IV is a weighted academic and college prep course. The course continues the focus on speaking, reading, and writing proficiency through the study of literature, history and contemporary events and issues in the target cultures. The content standards require study of complex features of the language and to comprehend more abstract concepts		

## High School Required Electives Course Offerings and Descriptions

Required Electives			
Career Preparedness			
Course Number	Course	Credit Eligible	Fee
22153G0512	Career Preparedness A	0.5	No Fee
22153G0522	Career Preparedness B	0.5	No Fee
22153G1000	Career Preparedness	1.0	No Fee
Health			
08051G0500	Health	0.5	No Fee
<i>+Designates a 1 point GPA weight addition</i>			

Course Name	ALSDE Course Number	Credit/Fee
<b>Career Preparedness A</b> <i>Available grades 8 – 12</i>	<b>22153G0512</b>	<b>Credit: 0.5</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
A one-half credit course that is taught in grades 8-12. The course prepares students with knowledge and skills in the areas of career development and academic planning and computer skill application. This course is a Pre-requisite to Career Preparedness-B. The required 20-hour online experience can be met by successfully completing both Career Preparedness A and Career Preparedness B. <b><i>Houston County Schools' students take this course in grade 8. This course along with Career Preparedness B is required for graduation.</i></b>		
<b>Career Preparedness B</b> <i>Available grades 9 – 12</i>	<b>22153G0522</b>	<b>Credit: 0.5</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
A one-half credit course that is taught in grades 9-12. The course prepares students with knowledge and skills in the areas of career development and academic planning and financial literacy. The Pre-requisite for this course is Career Preparedness-A. The required 20-hour online experience can be met by successful completion of both Career Preparedness A and Career Preparedness B. <b><i>This course along with Career Preparedness A is required for graduation. Students will receive credit for this course by completing Economics as a Senior.</i></b>		
<b>Career Preparedness</b> <i>Available grades 9 – 12</i>	<b>22153G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
A one-credit course that is taught in Grades 9-12. The course prepares students with content knowledge and skills in the areas of career development and academic planning, computer skill application, and financial literacy. Also, this course is designed to meet the required 20-hour online experience. <b><i>This course does meet the Career Preparedness graduation requirement.</i></b>		
<b>Health</b> <i>Available grades 10 – 12</i>	<b>08051G0500</b>	<b>Credit: 0.5</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
This course includes basic concepts of wellness and health promotion; accessing health information, products and services; application of health decision-making and goal-setting skills; impact of technology on health. <b><i>This course only lasts one nine weeks grading period and must be paired with another 0.5 credit course. This course is required for graduation.</i></b>		

## High School Physical Education Course Offerings and Descriptions

Physical Education			
Physical Education			
Course Number	Course	Credit Eligible	Fee
08017G1000	Beginning Kinesiology	1.0	No Fee
08003G1000	Team Sports	1.0	No Fee
08017G1001	Advanced Kinesiology	1.0	No Fee
08005G1000	Strength and Conditioning	1.0	No Fee
Athletics			
08013G10BA	Varsity Baseball	1.0	No Fee
08013G10BK	Varsity Basketball	1.0	No Fee
08006G10CH	Varsity Cheerleading	1.0	No Fee
08013G10FB	Varsity Football	1.0	No Fee
08013G10GO	Varsity Golf	1.0	No Fee
08013G10SB	Varsity Softball	1.0	No Fee
08013G10VB	Varsity Volleyball	1.0	No Fee
<i>+Designates a 1 point GPA weight addition</i>			

Course Name	ALSDE Course Number	Credit/Fee
<b>Beginning Kinesiology</b> <i>Available grades 9 – 12</i>	<b>08017G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
Beginning Kinesiology is a stand-alone course which encompasses the basic concepts of athletics and fitness and introduces students to the basic physiological, psychological, sociological, and mechanical principles of human movement. Students will be empowered to make choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime. <b><i>This is required for graduation.</i></b>		
<b>Team Sports</b> <i>Available grades 10 – 12</i>	<b>08003G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Beginning Kinesiology, or waiver eligible PE course required</i>		
Team Sports is an elective course that gives students basic knowledge of individual, dual, and team sports. Students will progressively learn skills and game strategies for each sport, as well as historical background and terminology. <b><i>This is not a course for varsity athletic teams. This course does not meet the graduation requirement.</i></b>		
<b>Advanced Kinesiology</b> <i>Available grades 10 – 12</i>	<b>08017G1001</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Beginning Kinesiology, or wavier eligible PE course required</i>		
Advanced Kinesiology is an elective course that will cover the knowledge base of kinesiology, the importance of physical activity in daily life, and the different career paths associated with a degree in kinesiology. This class is for students who wish to pursue a career as a physical education teacher, athletic trainer, physical therapist, personal trainer, movement-related research specialist, or other careers related to health, fitness, and sports. <b><i>This course does not meet the graduation requirement.</i></b>		

<b>Strength and Conditioning</b> <i>Available grades 10 – 12</i>	<b>08005G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Beginning Kinesiology, or wavier eligible PE course required</i>		
This is a course that is a stand-alone course open to all students. <b>It is not part of, nor may it be combined with, varsity athletics. This course does not meet the graduation requirement.</b>		
<b>Varsity Baseball</b> <i>Available grades 9 – 12</i>	<b>08013G10BA</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Coach approval required</i>		
<i>This course is a waiver eligible PE course and meets the graduation requirement.</i>		
<b>Varsity Basketball</b> <i>Available grades 9 – 12</i>	<b>08013G10BK</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Coach Approval required</i>		
<i>This course is a waiver eligible PE course and meets the graduation requirement.</i>		
<b>Varsity Cheerleading</b> <i>Available grades 9-12</i>	<b>08006G10CH</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Coach Approval required</i>		
<i>This course is a waiver eligible PE course and meets the graduation requirement.</i>		
<b>Varsity Football</b> <i>Available grades 9 – 12</i>	<b>08013G10FB</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Coach Approval required</i>		
<i>This course is a waiver eligible PE course and meets the graduation requirement.</i>		
<b>Varsity Golf</b> <i>Available grades 9 – 12</i>	<b>08013G10GO</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Coach Approval required</i>		
<i>This course is a waiver eligible PE course and meets the graduation requirement.</i>		
<b>Varsity Softball</b> <i>Available grades 9 – 12</i>	<b>08013G10SB</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Coach Approval required</i>		
<i>This course is a waiver eligible PE course and meets the graduation requirement.</i>		
<b>Varsity Volleyball</b> <i>Available grades 9 – 12</i>	<b>08013G10VB</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Coach Approval required</i>		
<i>This course is a waiver eligible PE course and meets the graduation requirement.</i>		

## High School Additional Elective Course Offerings and Descriptions

Additional Electives			
Course Number	Course	Credit Eligible	Fee
<b>08152G1000</b>	<b>Driver and Traffic Safety Education</b>	<b>0.5</b>	<b>\$35</b>
<b>TBD</b>	<b>ACT Prep</b>	<b>1.0</b>	<b>TBD</b>
<b>2399X100...</b>	<b>Student Aide</b>	<b>1.0</b>	<b>No Fee</b>
<i>For Dual Enrollment Options see the Dual Enrollment Section</i>			
<i>+Designates a 1 point GPA weight addition</i>			

Course Name	ALSDE Course Number	Credit/Fee
<b>Driver and Traffic Safety Education</b> <i>Available grades 10 – 12</i>	<b>08152G1000</b>	<b>Credit: 0.5</b> <b>Fee: \$35</b>
Pre-requisite: <i>Valid AL Learner’s Permit and 50 hours of supervised driving.</i>		
This course focuses on safe driving theory; in class study; driving hazards; boating safety; behind the wheel experience; safety practices. <b>Students must possess a valid AL Learner’s Permit.</b>		
<b>ACT Prep</b> <i>Available grades 10 - 12</i>	<b>01099G100</b> or <b>02999G1000</b>	<b>Credit: 1</b> <b>Fee: TBD</b>
Pre-requisite: <i>None</i>		
This course is designed to prepare students to take the ACT college entrance exam.		
<b>Student Aide</b> <i>Available grades 11 – 12</i>	<b>22051X1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Teacher request required.</i>		
This course code is designed for students assigned to work with guidance, library, or other areas.		
<b>Student Office Aide</b> <i>Available grades 11 – 12</i>		<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Teacher request required.</i>		
This course code is designed for students assigned to work with the front office.		
<b>Student Teacher Aide</b> <i>Available grades 11 – 12</i>		<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Teacher request required.</i>		
This course code is designed for students assigned to work with a teacher in the planning and preparation aspects.		

## Career and Technical Education (CTE) Programs

Career and Technical Education (CTE) provides our students with the academic and technical skills, knowledge, and training necessary to succeed in future careers and to become lifelong learners.

Houston County Schools offers the following CTE Pathways:

- Agriscience
- Automotive Service Technology
- Aviation Technology (Dual Enrollment)
- Building Construction
- Business (Marketing)
- Computer Science
- Criminal Justice (CHS Only)
- Education and Training
- Emergency Medical Services (Dual Enrollment)
- Engineering
- Family and Consumer Sciences
- Fire Science
- Graphic Arts
- Health Science
- Information Technology
- Junior Reserve Officers Training Corps (JROTC)
  - Army (HCCA)
  - Navy (RHS Only)
- Medical Assisting (Dual Enrollment)
- Welding
- Work-Based Learning (Co-op)

## Agriscience

Agriscience Education courses are designed to introduce students to the Agriculture, Food and Natural Resources cluster. Classroom, lab facilities, and onsite visits are used to provide students with educational opportunities in and about the diversified field of agriculture, food, and natural resources. The classroom and laboratory provide a safe and appropriate setting for active, structured, and stimulating student learning and assessment. Courses in Agriscience Education emphasize Supervised Agricultural Experience Programs and provide opportunities for personal and professional growth through FFA activities that are integrated into classroom instruction.

These courses are offered on the campuses of our individual high schools and there may be some variance in the courses offered.

### Agriscience Course Offerings and Descriptions

<b>Agriscience</b>			
<b>Agriscience Courses</b>			
Course Number	Course	Credit Eligible	Fee
<b>18003G1001</b>	<b>Fundamentals of Agriscience</b>	<b>1.0</b>	<b>No Fee</b>
<b>18003G1002</b>	<b>Intermediate Agriscience</b>	<b>1.0</b>	<b>No Fee</b>
<b>18003G1003</b>	<b>Advanced Agriscience</b>	<b>1.0</b>	<b>No Fee</b>
<b>18003G1004</b>	<b>Applied Agriscience</b>	<b>1.0</b>	<b>No Fee</b>
<b>18101G1000</b>	<b>Poultry Science</b>	<b>1.0</b>	<b>No Fee</b>
<b>18501G1002</b>	<b>Introduction to Animal and Dairy Science</b>	<b>1.0</b>	<b>No Fee</b>
<b>18504G1000</b>	<b>Environmental Management</b>	<b>1.0</b>	<b>No Fee</b>
<b>18052G1001</b>	<b>Horticulture Science</b>	<b>1.0</b>	<b>No Fee</b>
<b>18501G1001</b>	<b>Fish and Wildlife Management</b>	<b>1.0</b>	<b>No Fee</b>
<b>18502G1001</b>	<b>Forestry</b>	<b>1.0</b>	<b>No Fee</b>
<b>18052G1002</b>	<b>Greenhouse and Nursery Production</b>	<b>1.0</b>	<b>No Fee</b>
<b>18056G1001</b>	<b>Landscape Design and Management</b>	<b>1.0</b>	<b>No Fee</b>
<b>18054G1000</b>	<b>Turfgrass Management</b>	<b>1.0</b>	<b>No Fee</b>
<b>18204G1000</b>	<b>Agricultural Marketing and Management</b>	<b>1.0</b>	<b>No Fee</b>
<b>18205G1000</b>	<b>Agricultural Communication and Technology</b>	<b>1.0</b>	<b>No Fee</b>
<b>18403G1000</b>	<b>Introduction to Agricultural Construction</b>	<b>1.0</b>	<b>No Fee</b>
<b>18404G1001</b>	<b>Agricultural Welding Processes I</b>	<b>1.0</b>	<b>No Fee</b>
<b>18404G1002</b>	<b>Agricultural Welding Processes II</b>	<b>1.0</b>	<b>No Fee</b>
<i>* This course has a Pre-requisite. Please view the course description</i>			
<i>+Designates a 1 point GPA weight addition</i>			



Course Name	ALSDE Course Number	Credit/Fee
<b>Fundamentals of Agriscience</b> <i>Available grades 9 - 12</i>	<b>18003G1001</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
Credential Offered: <i>Adult Beef Quality Assurance</i>		
<p>This course provides students with a general overview of the Agriculture Industry. Students are involved in classroom and laboratory activities in each of the following areas: agriculture career opportunities, lab safety, FFA/agribusiness leadership, environmental science, soil science, plant science, forestry, animal science, wildlife science, and woodworking. This course requires a Supervised Agricultural Experience Program to be conducted outside of class which accounts for a large portion of the student’s grade. This is a labor intensive, participation-based course that requires students to be in shop, greenhouse, and garden settings. The skills developed in this course are designed to prepare students for careers and/or college. Students will also have the opportunity to join the largest youth leadership organization in the country, The National FFA Organization, which will be a large part of this course.</p>		
<b>Intermediate Agriscience</b>	<b>18003G1002</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Fundamentals of Agriscience</i>		
Credential Offered: <i>Adult Beef Quality Assurance</i>		
<p>Intermediate Agriscience is a course that provides students with an intermediate understanding of the Agriculture, Food and Natural Resources cluster, which contains five pathways: Power, Structure, and Technical Systems; Environmental and Natural Resources Systems; Animal Systems; Plant Systems; and Agribusiness Systems. Students are involved in classroom and laboratory activities in each of the five pathway areas. The emphasis for Intermediate Agriscience is plant systems. <b><i>It is strongly encouraged that Fundamentals of Agriscience be required as a pre-requisite for this course.</i></b> Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.</p>		
<b>Advanced Agriscience</b> <i>Available grades 10 – 12</i>	<b>18003G1003</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Fundamentals of Agriscience</i>		
<p>Advanced Agriscience is a course that provides students with an advanced understanding of the Agriculture, Food and Natural Resources cluster, which contains five pathways: Power, Structure, and Technical Systems; Environmental and Natural Resources Systems; Animal Systems; Plant Systems; and Agribusiness Systems. Students are involved in classroom and laboratory activities in each of the five pathway areas. The emphasis for Advanced Agriscience is animal systems. The curriculum will provide opportunities for credentials utilizing resources from the Alabama Green Industry Training Center, NCCER, and various others. Advanced Agriscience is part of a four course sequence that comprises the General Agriscience Program. This course should be offered in series along with Fundamentals of Agriscience, Intermediate Agriscience, and Applied Agricultural Mechanics. It is strongly encouraged that Fundamentals of Agriscience be required as a pre-requisite for this course. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.</p>		

<b>Applied Agriscience</b> <b>Available grades 10 – 12</b>	<b>18003G1004</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Fundamentals of Agriscience</i>		
Credential Offered:		
Applied Agriscience provides students with an advanced understanding of Industrial Agricultural Technologies and General Agriculture, two of the five pathways in the Agriculture, Food, and Natural Resources cluster. Students are involved in classroom and laboratory activities in each pathway area. Applied Agriscience emphasizes metal fabrication and power mechanics. Students should be allowed ample time in the laboratory to utilize content in real-world applications.		
<b>Poultry Science</b> <b>Available grades 10 – 12</b>	<b>18101G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Fundamentals of Agriscience</i>		
Credential Offered:		
This is a one-credit course that provides students with instruction and opportunities to participate in hands-on activities in areas of safety, environmental issues, breeds of poultry, nutrition and disease prevention, consumer issues, biotechnological advancement, and management and marketing practices.		
<b>Introduction to Animal and Dairy Science</b> <b>Available grades 10 – 12</b>	<b>1501G1002</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Fundamentals of Agriscience</i>		
Credential Offered:		
Introduction to Animal and Dairy Science introduces students to the field of livestock production and animal health and welfare. Students participate in activities related to the animal science field as they study the importance of the livestock industry, breed identification and characteristics, nutrition, disease and parasite control, genetics and reproduction, animal rights versus animal welfare, specialty animal production and animal products, livestock facilities and transportation, and regulatory agencies.		
<b>Environmental Management</b> <b>Available grades 10 – 12</b>	<b>18504G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Fundamentals of Agriscience</i>		
Credential Offered:		
This is a one-credit course designed to provide students with an in-depth study of environmental management principles and practices including natural resources, ecology, waste management, water, and air quality, pesticide management and use, and energy conservation. <b><i>This course can be used to meet a science requirement for graduation.</i></b>		
<b>Horticulture Science</b> <b>Available grades 10 – 12</b>	<b>18052G1001</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
Credential Offered: <i>Landscape Management Technician</i>		
This course affords students the opportunity to gain valuable insight into the multi-faceted industry of Horticulture. Students participate in classroom, garden, and greenhouse activities to develop knowledge and skills in the areas of basic plant science, plant propagation, soil and media mixture, plant nutrition, floral and greenhouse design and structures, nursery crops, floriculture, and vegetable gardening. Students also develop career readiness skills by conducting and operating a horticulture business. A Supervised Agricultural Experience, an outside of the classroom project, will be required which will account for a large portion of the student's grade. This is a labor intensive, participation-based course that requires students to be in greenhouse and garden settings. The skills developed in this course are designed to prepare students for careers and/or college. Students will also have the opportunity to join the largest youth leadership organization in the country, The National FFA Organization, which will be a large part of this course		

<b>Fish and Wildlife Management</b> <i>Available grades 10 – 12</i>	<b>18501G1001</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
Credential Offered: <i>Landscape Management Technician</i>		
This is a one-credit course that provides students with the opportunity to become knowledgeable of natural resources including fish and wildlife ecology, endangered species, and pest management.		
<b>Forestry</b> <i>Available grades 10 – 12</i>	<b>18502G1001</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
This is a one-credit course designed to enable students to become knowledgeable of forestry and wood technology. Emphasis is placed on dendrology, tree measurement, mapping, silviculture, and forest products. Specific content standards to be included in each course are indicated in the Course of Study chart.		
<b>Greenhouse and Nursery Production</b> <i>Available grades 10 – 12</i>	<b>18052G1002</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite: Completion of <i>Horticulture</i>		
Credential Offered: <i>Landscape Management Technician</i>		
This course relates to the production of greenhouse crops. Topics include career opportunities, safety, plant propagation, growing media, plant identification, greenhouse production, pest control, business management, and equipment and facilities. The hands-on approach to learning is a key component in this course; therefore, making this a labor intensive, participation-based course that requires students to be in shop, greenhouse, and garden settings. Students also develop career readiness skills by conducting and operating a horticulture business. The skills developed in this course are designed to prepare students for careers and/or college. A Supervised Agricultural Experience, an outside of the classroom project, will be required which will account for a large portion of the student's grade. Students will also have the opportunity to join the largest youth leadership organization in the country, The National FFA Organization, which will be a large part of this course.		
<b>Landscape and Design Management</b> <i>Available grades 10 – 12</i>	<b>18056G1001</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite:		
Credential Offered:		
This is a one-credit course that allows students to become more knowledgeable of landscape design and management.		
<b>Turfgrass Management</b> <i>Available grades 10 – 12</i>	<b>18054G1000</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite:		
Credential Offered:		
Turfgrass Management prepares students to install and maintain turfgrass in a variety of settings. Topics in Turfgrass Management include turfgrass identification, establishment, maintenance, tools and equipment, and business management.		
<b>Agricultural Marketing and Management</b> <i>Available grades 10 – 12</i>	<b>18204G1000</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite:		
Credential Offered:		
Agriculture Marketing and Management allows students to explore and apply principles, processes, and skills in marketing and management in agribusiness settings. Topics include technologies in marketing, record-keeping, financing, agribusiness, and sales and marketing.		

<b>Agricultural Communication and Technology</b> <i>Available grades 10 – 12</i>	<b>18205G1000</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite:		
Credential Offered:		
Agriculture Communications and Technology allows students to explore careers in the agricultural communications field, develop effective communication skills, utilize technology in communications, and develop leadership abilities and employment skills for use in agribusiness. Topics include personal communication, media communication, technology, and leadership.		
<b>Introduction to Agricultural Construction</b> <i>Available grades 10 – 12</i>	<b>18403G1000</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite:		
Credential Offered:		
Introduction to Agricultural Construction provides students with an overview of framing and building a structure. Topics include lumber, metal, material estimation, floor systems, framing systems (ceiling, wall, roof), and roofing materials for various structures.		
<b>Agricultural Welding Processes I</b> <i>Available grades 10 – 12</i>	<b>18404G1001</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite:		
Credential Offered:		
Agricultural Welding I provides students with opportunities to become familiar with basic safety and technical information in metal fabrication and to participate in hands-on activities in the laboratory. Topics include tools and equipment, metal preparation, metal cutting, weld quality, and shielded metal arc welding (SMAW).		
<b>Agricultural Welding Processes II</b> <i>Available grades 10 – 12</i>	<b>18404G1002</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite:		
Credential Offered:		
Agricultural Welding II provides students with opportunities to become familiar with safety, technical information, and fabrication, and to participate in hands-on activities in the lab utilizing the welding processes of Metal Inert Gas (MIG), Tungsten Inert Gas (TIG), and Flux Cored Arc Welding (FCAW). Topics include metal structures; identification and selection of tools, supplies, and equipment; and weld quality.		

## Automotive Services Technology

Auto Service Technology provides students with classroom and laboratory experiences utilizing current and emerging technologies in automotive service theory and repair. It includes training in the use of computer and other electronic diagnostic and testing equipment, technical manuals, and problem-solving methods. Instruction and practice are provided regarding the diagnosis of malfunctions, disassembly of system components, parts inspection and repair, engine overhaul, electronic and fuel systems suspension systems, and brakes.

Auto Service Technology is a program designed for students who are interested in pursuing careers in automotive maintenance and repair. ***This course is NOT a hobby.*** The courses are designed to give a basic knowledge and understanding of the entire automobile. This will not affect the grade for the course. Progression to the next level of instruction will be based on the successful completion of the prior course and must have teacher approval. Extended learning experiences to enrich and enhance instruction are reinforced through learner participation in SkillsUSA.

These courses are offered on the campus of the Houston County Career Academy.

### ***Credentials Offered:***

***ASE Student Maintenance and Light Repair, ASE Automotive Service Technology, ASE Student Suspension and Steering, ASE Student Brakes, ASE Student Electrical/Electronic Systems, ASE Student Engine Performance, ASE Student Engine Repair, ASE Student Automatic Transmission/Transaxle, ASE Manual Drive Train and Axles, ASE Student Heating and Air Conditioning.***

## Automotive Service Technology Course Offerings and Descriptions

Automotive Service Technology Pathway			
Course Sequence			
Course Number	Course	Credit Eligible	Fee
20104G1001	Maintenance and Light Repair A	1.0	No Fee
20104G1002	Maintenance and Light Repair B	1.0	No Fee
20104G1003	Maintenance and Light Repair C*	1.0	No Fee
20104G1004	Maintenance and Light Repair D*	1.0	No Fee
20104G1005	Automotive Services Technology A*	1.0	No Fee
20104G1006	Automotive Services Technology B*	1.0	No Fee
<i>* This course has a Pre-requisite. Please view the course description</i>			

<b>Course Name</b>	<b>ALSDE Course Number</b>	<b>Credit/Fee</b>
<b>Maintenance and Light Repair A</b> <i>Available grades 11-12</i>	<b>20001G1001</b>	<b>Credit:1</b> <b>Fee N/A</b>
Pre-requisite: <i>None.</i>		
This is a one-credit course that provides students with foundational knowledge and skills relative to safety, engine repair, automatic transmissions. and manual drive trains.		
<b>Maintenance and Light Repair B</b> <i>Available grades 11-12</i>	<b>20104G1002</b>	<b>Credits: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None.</i>		
This is a one-credit course that provides students with foundational knowledge and skills relative to safety, suspension and steering, and brakes.		
<b>Maintenance and Light Repair C</b> <i>Available grades 11-12</i>	<b>20104G1003</b>	<b>Credits: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Maintenance and Light Repair A &amp; B</i>		
This course is designed to provide students with foundational knowledge and skills relative to safety, brakes, electrical/electronic systems, engine performance, and heating and air conditioning. <b><i>This is a yearlong course.</i></b>		
<b>Maintenance and Light Repair D</b> <i>Available Grades: 11-12</i>	<b>20104G1004</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Maintenance and Light Repair A &amp; B</i>		
This is a one-credit course that provides students with foundational knowledge and skills relative to safety, engine performance, electrical/electronic systems, and heating and air conditioning.		
<b>Automotive Services and Technology A</b> <i>Available grade 12</i>	<b>20104G1005</b>	<b>Credits: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Maintenance and Light Repair A-D</i>		
This is a one-credit course that provides students with service knowledge and skills relative to safety, engine repair, automatic transmissions. and manual drive trains.		
<b>Automotive Services and Technology B</b> <i>Available grade 12</i>	<b>20104G1006</b>	<b>Credits: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Maintenance and Light Repair A-D</i>		
This is a one-credit course that provides students with service knowledge and skills relative to safety, suspension and steering, and brakes.		

## Building Construction

This is a new program within the Houston County School System. Courses in the building construction program will ground the trainee in the basic knowledge and principles of carpentry, electrical work, and plumbing. He or she will become skilled in different phases of a project from start to finish. This program utilizes curriculum through NCCER. Extended learning experiences to enrich and enhance instruction are reinforced through learner participation in SkillsUSA.

These courses are offered on the campus of the Houston County Career Academy.

### Building Construction Course Offerings and Descriptions

Building Construction Pathway			
Course Sequence			
Course Number	Course	Credit Eligible	Fee
<b>17002G1001</b>	<b>Architecture, Construction, and Manufacturing</b>	<b>1.0</b>	<b>No Fee</b>
<b>17004G1001</b>	<b>NCCER Building Construction I</b>	<b>1.0</b>	<b>No Fee</b>
<b>17049G1000</b>	<b>Safety and Health Regulations*</b>	<b>1.0</b>	<b>No Fee</b>
<b>17005G1001</b>	<b>NCCER Building Construction II*</b>	<b>1.0</b>	<b>No Fee</b>
<i>* This course has a Pre-requisite. Please view the course description</i>			

Course Name	ALSDE Course Number	Credit/Fee
<b>Architecture, Construction, and Manufacturing</b> <b><i>Available grades 11-12</i></b>	<b>17002G1001</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i> .		
This is a one-credit course that introduces students to core knowledge and skills in the areas of design, preconstruction, construction, maintenance, operations, and installation and repair which are foundational to courses related to careers in the architecture and construction and manufacturing industries. This course is not a prerequisite for entering a specific pathway.		
<b>NCCER Building Construction I</b> <b><i>Available grades 11-12</i></b>	<b>17004G1001</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i> .		
This course is designed to provide students with an understanding of the construction industry and basic framing principles. Topics include career opportunities, safety, lumber, material estimation, floor systems, wall framing, ceiling framing, stair construction, roof framing, and roof materials in various structures. This is a labor intensive, participation-based course that requires students to be in shop. The skills developed in this course are designed to prepare students for careers and/or college. Students will have the opportunity to join SkillsUSA which is a partnership of students, teachers, and industry working together to ensure America has a skilled workforce.		

<b>Safety and Health Regulations</b> <i>Available grades 11-12</i>	<b>17049G1000</b>	<b>Credits: 1</b> <b>Fee: N/A</b>
<i>Pre-requisite: Completion of Building Construction I required</i>		
<p>Safety and Health Regulations is designed to provide students with information on the importance of government and industry regulations as well as individual responsibilities for performing activities safely. Students identify common safety hazards found in the workplace and examine their own roles in minimizing and avoiding unsafe practices. Specific topics include flammable and combustible liquids, emergency egress and fire protection, electrical safety, environmental control, machine guarding, tool safety, first aid, hazard communication, personal protective equipment, walking and working surfaces, and material handling and storage. This entry-level course may be taken in any program within the Manufacturing cluster.</p>		
<b>NCCER Building Construction II</b> <i>Available grades 11-12</i>	<b>17005G1001</b>	<b>Credits: 1</b> <b>Fee: N/A</b>
<i>Pre-requisite: Completion of Building Construction I required</i>		
<p>This course is designed to further the student's knowledge of construction industry and facilitate student understanding of the finishing phase of a structure. Students become familiar with the exterior and interior finishing of a structure with a heavy emphasis on cabinetry. Topics include career opportunities, safety, along with advanced cabinetry and finishing. This is a labor intensive, participation-based course that requires students to be in shop setting. The skills developed in this course are designed to prepare students for careers and/or college. Students will have the opportunity to join SkillsUSA which is a partnership of students, teachers, and industry working together to ensure America has a skilled workforce. SkillsUSA helps each student excel.</p>		



## Business

Courses offered in the business programs are designed for students interested in pursuing careers in business management and administration, business information technology, management, finance, and marketing. Our programs will offer our students enhanced instruction designed to equip students with both the knowledge and skills for extended education services or a career. Extended learning experiences to enrich and enhance instruction are reinforced through learner participation in FBLA.

These programs and course offerings vary by school. Students specifically interested in the Marketing aspects of the business program will have opportunities to attend the Houston County Career Academy.

### Business Course Offerings and Descriptions

Business Pathway			
Course Sequence			
Course Number	Course	Credit Eligible	Fee
10005G1001	Business Software and Applications I	1.0	No Fee
10005G1002	Business Software and Applications II	1.0	No Fee
12166G1002	Customer Service and Sales	1.0	No Fee
10205G1001	Computer and Game Simulation	1.0	No Fee
11153G1001	Digital Media Design	1.0	No Fee
12047G1002	CTE Lab in Business	1.0	No Fee
12051G1000	Foundations of Business Leadership	1.0	No Fee
11153G1002	Digital Publications Design	1.0	No Fee
16202G1001	Economics and Financial Services	1.0	No Fee
12009G1001	Business Communications	1.0	No Fee
16202G1001	Event Planning and Management	1.0	No Fee
12054G1001	Business and Legal Concepts	1.0	No Fee
12163G1003	Sports and Entertainment Marketing	1.0	No Fee
12159G1001	Hospitality Management and Marketing	1.0	No Fee
12166G1001	Advertising and Sales	1.0	No Fee
12053G1000	Entrepreneurship	1.0	No Fee
<i>* This course has a Pre-requisite. Please view the course description</i>			

Course Name	ALSDE Course Number	Credit/Fee
<b>Business Software and Applications I</b> Available grades 9-12	1005G1001	Credit: 1 Fee: N/A
Pre-requisite: <i>None</i>		
Business Software Applications I emphasizes the skills required to create, edit, and publish industry-appropriate documents. Areas of instruction include the integration of word processing, desktop publishing, spreadsheets, database management, and presentation software as well as the use of emerging technologies. Competencies for the co-curricular student organizations, DECA and Future Business Leaders of America (FBLA-PBL), are also embedded in this course. Students will have the opportunity to gain industry-recognized credentials to document basic computer skills needed for future education or employment.		

<b>Business Software and Applications II</b> <i>Available grades 9 – 12</i>	<b>1005G1002</b>	<b>Credit:1</b> <b>Fee: N/A</b>
<i>Pre-requisite: Completion of Business Software and Applications I</i>		
Business Software Applications II focuses on advanced word processing and spreadsheet and database management skills using current and emerging integrated technology. These skills include a variety of input technologies in the production of professional quality business documents and reports. Performance and production skills for the co-curricular student organizations, DECA and Future Business Leaders of America (FBLA-PBL), are embedded in this course. Students will also have the opportunity to gain industry-recognized credentials to document advanced computer skills needed for future education or employment plans.		
<b>Customer Service and Sales</b> <i>Available grades 10 – 12</i>	<b>12166G1002</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
<i>Pre-requisite: Completion of Business Software and Applications I</i>		
Customer Service and Sales is designed to provide instruction on basic principles of customer service and selling. This course focuses on the identification and classification of customer services, technology literacy issues related to customer service, and the human relations, leadership, organizational, and communication skills necessary for success in customer service. In addition, this course offers instruction related to selling and sales, including professional sales, sales presentations, types of compensation, and characteristics and traits associated with successful selling.		
<b>Computer and Game Simulation</b> <i>Available grades 10 – 12</i>	<b>10205G1001</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
<i>Pre-requisite: Completion of Business Software and Applications I</i>		
Computer Game and Simulation Programming standards are designed to equip students with the skills needed to prepare for higher education and for success in careers such as a computer game simulator, designer, programmer, or software developer. Interest and involvement in the gaming industry has grown substantially over the years. Professions in this industry require technical skill proficiency, competency-based applied learning, higher-order reasoning, teamwork, and problem-solving skills. The course integrates core academic subjects with elements of visual design, digital audio and video, storyboarding, and collaboration to attain the knowledge, skills, and attitudes necessary to compete successfully in the gaming production industry.		
<b>Digital Media Design</b> <i>Available grades 10 – 12</i>	<b>11153G1001</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
<i>Pre-requisite: Completion of Business Software and Applications I</i>		
Digital Media Design provides a creative, hands-on environment in which students collaborate to produce a variety of digital media projects. Students use various hardware, peripherals, software, and web-based tools to learn skills involving graphic design, digital photography, web design, and digital video production. Additionally, the standards are designed for students to engage in critical thinking skills and practice appropriate behavior in the use of technology. Emphasis is placed on exploring and demonstrating business-related skills such as teamwork, interpersonal skills, and ethics while completing their projects.		
<b>CTE Lab in Business</b> <i>Available grades 11 – 12</i>	<b>12047G1002</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
<i>Pre-requisite: Completion of Business Software and Applications I</i>		
CTE Lab in Business Management and Administration is designed to enhance the student's general understanding and mastery of the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.		

<b>Foundations of Business Leadership</b> <i>Available grades 11 – 12</i>	<b>12051G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Business Software and Applications I</i>		
Foundations of Business Leadership focuses on the exploration of leadership and management to determine the impact of management practices on business and industry, management of expectations regarding legal and ethical behavior, and investigation of how resources are managed to achieve company goals. Standards are designed to emphasize principles of sound business management and the analysis of business practices to determine ethical and social responsibilities.		
<b>Digital Publications Design</b> <i>Available grades 10 – 12</i>	<b>11153G1002</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Business Software and Applications I</i>		
Digital Publications Design gives students marketable experience in both print and digital publishing. Emphasis is placed on page layout and design, computerized text, graphic art, digital photography, and the use of software to create a variety of publications.		
<b>Economics and Financial Services</b> <i>Available grades 10 – 12</i>	<b>12105G1001</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Business Software and Applications I</i>		
Economics and Financial Services presents basic topics in economics, including the principles and practices of banking, credit, and consumer lending in the United States. Additional emphasis is placed on money management, economic growth and stability, and characteristics of different economic systems and financial institutions. The course includes the major functions of banks and other financial intermediaries, central banking and the Federal Reserve System, current trends in the finance industry, credit functions, principles of credit risk evaluation, loan creation, debt collection, and stocks and bonds.		
<b>Business Communications</b> <i>Available grades 11 – 12</i>	<b>12009G1001</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Business Software and Applications I</i>		
Business Communications focuses on how employees and management interact with each other and with groups and individuals outside the organization to reach organizational goals, objectives, and activities. This course emphasizes oral, written, and digital communication techniques, and content is designed to encourage exploration of business ethics, teamwork, conflict resolution, and leadership skills. Content standards require the use of presentation and word processing software to create business communications. Standards require proficiency in producing documents and multimedia presentations.		
<b>Event Planning and Management</b> <i>Available grades 10 – 12</i>	<b>16202G1001</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Business Software and Applications I</i>		
Event Planning and Management is designed for students interested in learning to create and present gatherings for groups of people to enjoy or attend for corporate goals or individual benefits. The course emphasizes the many facets of this multi-billion-dollar industry, including site selection, financial management, time management, promotion, and catering. Students will organize, plan, and evaluate various meetings and events such as conferences, sporting events, weddings, and workshops.		

<b>Business and Legal Concepts</b> <i>Available grades 11 – 12</i>	<b>12054G1001</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Business Software and Applications I</i>		
Business and Legal Concepts emphasizes the ethical and legal dimensions of conducting business. The course focuses on application of ethical concepts, historical events that have shaped business law in the United States, the U.S. court systems, contracts, insurance, and various areas of law that impact business operations.		
<b>Sports and Entertainment Marketing</b> <i>Available grades 11 – 12</i>	<b>12163G1003</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Business Software and Applications I</i>		
Sports and Entertainment Marketing is a specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. This course introduces the student to the major segments of the industry and the social and economic impact the industry has on local, state, national, and global economies. Although no prerequisite is listed, it is suggested that students complete an introductory marketing course prior to taking Sports and Entertainment Marketing.		
<b>Hospitality Management and Marketing</b> <i>Available grades 11 – 12</i>	<b>12159G1001</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Business Software and Applications I</i>		
Hospitality Management and Marketing emphasizes skills needed for ownership, management, or employment in the growing hospitality and tourism industry. Standards are designed to develop a leadership perspective about social, environmental, economic, legal, human resource, customer relations, and consumer factors impacting the hospitality industry. The course also focuses on the marketing aspect of hospitality and tourism, including sales, promotions, advertising, and public relations.		
<b>Advertising and Sales</b> <i>Available grades 11 – 12</i>	<b>12166G1001</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Business Software and Applications I</i>		
Advertising and Sales provides the tools necessary for the development, implementation, and management of promotional programs. This course focuses on the performance of key responsibilities required in the advertising and sales environment. Skills emphasized in this course are pricing, visual merchandising, advertising, special promotions, professional sales, and customer service. These skills are designed to prepare students to manage the sales function, to determine client needs and wants, and to respond through planned, personalized communication.		
<b>Entrepreneurship</b> <i>Available grades 11 – 12</i>	<b>12053G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Business Software and Applications I</i>		
Entrepreneurship focuses on the skills needed to organize, develop, create, and manage a business in a variety of environments. Course standards are designed to foster an entrepreneurial mindset; encourage innovation, critical thinking, and problem-solving in a fast-paced professional setting; and build basic knowledge of various entrepreneurial ventures.		

## Education and Training

The Education and Training program provides students with knowledge and skills needed for teaching and professional training consultant careers. Courses provide an overview of teaching and learning theories; curriculum development; teaching techniques; instructional resources and the use of technology; types of assessments; classroom management strategies; and ethics and professionalism. Students will also have the opportunity to join Future Teachers of Alabama, a leadership organization that is an extension of the course and coursework.

These courses are offered on the campus of the Houston County Career Academy.

### Education Training Course Offerings and Descriptions

Education and Training Pathway			
Course Sequence			
Course Number	Course	Credit Eligible	Fee
<b>19151G1000</b>	<b>Education and Training</b>	<b>1.0</b>	<b>No Fee</b>
<b>19152G1012</b>	<b>Teaching I*</b>	<b>1.0</b>	<b>No Fee</b>
<b>19154G1001</b>	<b>Professional Support Services in Education</b>	<b>1.0</b>	<b>No Fee</b>
<b>19152G1022</b>	<b>Teaching II*</b>	<b>1.0</b>	<b>No Fee</b>
<b>19198G1000</b>	<b>Education and Training Internship*</b>	<b>1.0</b>	<b>No Fee</b>
<b>19197G1001</b>	<b>Senior Career Pathway Project in Ed. Training*</b>	<b>1.0</b>	<b>No Fee</b>
<i>*This course has a Pre-requisite. Please view the course description</i>			

Course Name	ALSDE Course Number	Credit/Fee
<b>Education and Training</b> <i>Available grades 11-2</i>	<b>19151G1000</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None.</i>		
<p>Education &amp; Training is a one-credit course and is the prerequisite for all pathways included in the Education &amp; Training cluster. The course is designed for students who are interested in pursuing careers in human services with a specific interest in working with children. Students will be introduced to knowledge and skills necessary for careers fields such as education, counseling, and coaching. Course content includes organizational structure of education, careers, the role of educators, characteristics of effective educators, communication skills, the teaching &amp; learning process, learning styles, human growth and development, learning activities, and education initiatives. Observation experiences through school visits are a required component of this course. Students will also have the opportunity to join “Future Teachers of Alabama”, a leadership organization that is an extension of the course and coursework.</p>		

<b>Teaching I</b> <b>Available grades 10 - 12</b>	<b>19152G1012</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite:		
Teaching I is a one-credit course. Content includes knowledge and skill necessary to implement the teaching and learning process. Major topics are funding sources, budget preparations, legal aspects, the learning environment, appropriate learning activities, lesson planning, instructional resources, and developing partnerships. School-based experiences are essential for students to develop skills in education and are a required component of this course. <b>Students must provide their own transportation to school visits. Students will be required to purchase a t-shirt to wear to school-based experiences.</b>		
<b>Professional Support Services in Education</b>	<b>19154G1001</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Education and Training and Teaching I</i>		
This is a one-credit course designed for students who are interested in pursuing careers in the professional support services area of education. The prerequisite for this course is Education and Training. <b>The required school-based laboratory is a well-equipped classroom.</b>		
<b>Teaching II</b> <b>Available grades 10 - 12</b>	<b>19152G1022</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Education and Training and Teaching I</i>		
Teaching II is a one-credit course. Content provides students with advanced knowledge and skills used in the education field. Concepts of legal aspects of education, instructional resources, motivation, types of assessments, lesson planning and teaching for various areas and grade levels, classroom management, reading level of instructional materials, course outlines, scope & sequence, and curriculum development are included in the course. School-based experiences are essential for students to develop skills in education and are a required component of this course. <b>The required school-based laboratory is a well-equipped classroom.</b>		
<b>Education and Training Internship</b> <b>Available grade 12</b>	<b>19197G1000</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of all previous Education and Training courses and instructor approval.</i>		
Education & Training Internship is a one-credit course. Students who have completed Education & Training Foundations, Teaching I, and Teaching II are eligible to enroll in Education & Training Internship. The internship course is for students who are seriously considering pursuing careers in the education field. This course allows students to spend time in a classroom or school setting on a regular basis with a teacher within our school system who teaches a subject area of interest to the student intern, a staff member in the appropriate professional support service area, or a principal or vice-principal. This course provides students with a context in which they can make a personal assessment of their commitment to pursue a teaching, professional support service, or educational leadership career. <b>The school-based experience for the internship is spending time on a regular basis in an actual classroom or school that provides instruction in the subject area or career area related to the student's interest.</b>		
<b>Senior Career Pathway Project in Ed. Training</b> <b>Available grades 12</b>	<b>19197G1001</b>	<b>Credit:1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of all previous Education and Training courses and instructor approval.</i>		
This is a one-credit course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.		

## Engineering

The Project Lead the Way (PLTW) pathway to engineering program is a sequence of courses which follows a proven hands-on, real-world problem-solving approach to learning. Students learn to apply the design process, acquire strong teamwork, and communication proficiency, and develop organizational, critical thinking, and problem-solving skills. This program is designed to prepare students to pursue a post-secondary education and careers in STEM related fields. Extended learning experiences to enrich and enhance instruction are reinforced through learner participation in Technology Student Association (TSA).

These courses are offered on the campus of the Houston County Career Academy.

**Credentials offered: Fusion 360**

### Engineering Course Offerings and Descriptions

Engineering Pathway			
Course Sequence			
Course Number	Course	Credit Eligible	Fee
<b>2107G1000</b>	<b>Engineering Essentials</b>	<b>1.0</b>	<b>No Fee</b>
<b>21005G1000</b>	<b>Foundations of Engineering &amp; Technology</b>	<b>1.0</b>	<b>No Fee</b>
<b>21022G1000</b>	<b>Computer Integrated Manufacturing</b>	<b>1.0</b>	<b>No Fee</b>
<b>21002G1000</b>	<b>Application of Engineering &amp; Technology</b>	<b>1.0</b>	<b>No Fee</b>
<b>21018G1000</b>	<b>Principles of Engineering*</b>	<b>1.0</b>	<b>No Fee</b>
<b>21047G1000</b>	<b>Capstone of Engineering &amp; Technology</b>	<b>1.0</b>	<b>No Fee</b>
<i>*This course has a Pre-requisite. Please view the course description</i>			

Course Name	ALSDE Course Number	Credit/Grades
<b>Intro to Engineering Design</b> <i>Available grades 11 - 12</i>	<b>21017G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None.</i>		
Credential Offered: <i>Fusion 360</i>		
The major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3-D modeling software to help them design solutions to solve proposed problems, document their work using an engineer’s notebook, and communicate solutions to peers. Students can earn a credential and become an Autodesk Certified User by successfully passing the Autodesk Fusion 360 Exam.		

<b>Foundations of Engineering &amp; Technology</b> <i>Available grades 11-12</i>	<b>21005G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
Foundations of Engineering and Technology offers students an exploratory view of the engineering profession and the fundamental skills utilized in the field. Students investigate various engineering disciplines and related career paths. Students will develop leadership and teamwork skills through creativity, collaboration, communication, and critical thinking. Additionally, students will increase their understanding of science, technology, engineering, and mathematics (STEM) principles used in problem-solving as they use the engineering design process. Upon completion of this course students may be ready to earn a credential in a Computer-Aided Design (CAD) software such as Autodesk Inventor, SolidWorks, or SolidEdge.		
<b>Computer Integrated Manufacturing</b> <i>Available grades 11-12</i>	<b>21022G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system.		
<b>Applications of Engineering &amp; Technology</b> <i>Available grades 11 – 12</i>	<b>21002G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite:		
Applications of Engineering and Technology offers students an investigative view of the engineering profession and the fundamental skills utilized in the field. Students continue investigating engineering disciplines and related career paths. Students will expand leadership and teamwork skills through creativity, collaboration, communication, and critical thinking. Additionally, students will increase their understanding of science, technology, engineering, and mathematics (STEM) principles used in problem-solving through the engineering design process.		
<b>Principles of Engineering</b> <i>Available grades 11 - 12</i>	<b>21018G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite:		
Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem-solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.		
<b>Capstone of Engineering &amp; Technology</b> <i>Available grades 11 – 12</i>	<b>21047G1000</b>	<b>Credit: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
Capstone of Engineering and Technology allows students to expand and apply previous knowledge to solve engineering problems. In this course, students will conduct research and develop solutions to complete a capstone project in the engineering field. Project-based learning reinforces the application of science, technology, engineering, and mathematics (STEM) concepts and skills. Technology applications are utilized in this course to enable students to visualize, model, prototype, solve, and report on comprehensive design problems. Collaboration and teamwork are vital components of the producing the capstone project.		



## Family and Consumer Sciences

The Family and Consumer Science courses are designed to help students recognize the needs and roles of the family in the development of individuals in today's society. The courses are designed to help prepare students for work in the family so that improvements in the quality of family life and society can be made. A leadership development module, including organizational skills, critical thinking, communication, and project development is included in each course. The student organization, Family, Career and Community Leaders of America (FCCLA) enhances leadership, development and provides opportunities for community service.

### Family and Consumer Science Course Offerings and Descriptions

Family and Consumer Science Pathway			
Course Sequence			
Course Number	Course	Credit Eligible	Fee
<b>19251G1000</b>	<b>Family and Consumer Sciences</b>	<b>1.0</b>	<b>No Fee</b>
<b>19252G1000</b>	<b>Foods and Nutrition</b>	<b>1.0</b>	<b>No Fee</b>
<b>19254G1000</b>	<b>Food Safety and Microbiology</b>	<b>1.0</b>	<b>No Fee</b>
<b>19253G1000</b>	<b>Dietetics</b>	<b>1.0</b>	<b>No Fee</b>
<b>19253G1001</b>	<b>Sports Nutrition</b>	<b>1.0</b>	<b>No Fee</b>
<b>16057G1000</b>	<b>Event planning</b>	<b>1.0</b>	<b>No Fee</b>
<b>05190G1001</b>	<b>Fashion Merchandising</b>	<b>1.0</b>	<b>No Fee</b>
<b>19999G1000</b>	<b>Food Innovations and Media</b>	<b>1.0</b>	<b>No Fee</b>
<i>These courses can be taken in any order</i>			

Course Name	ALSDE Course Number	Credit/Fee
<b>Family and Consumer Sciences</b> <i>Available grades 9 - 12</i>	<b>19251G1000</b>	<b>Credit:1</b> <b>Fee N/A</b>
Pre-requisite: <i>None</i> .		
Family and Consumer Sciences is a one-credit course that serves as the foundation course for the Human Services cluster. Course content provides opportunities for students to explore the core content in the Food, Wellness, and Dietetics; and Consumer Sciences pathways. Major topics are marriage and family life, parenting and caregiving, consumer services, apparel, housing, food and nutrition, and technology and careers. This course is not a Pre-requisite for courses included in all pathways within the cluster; however, students are encouraged to take the course before entering a pathway.		
<b>Foods and Nutrition</b> <i>Available grades 10 - 12</i>	<b>19252G1000</b>	<b>Credit:1</b> <b>Fee N/A</b>
Pre-requisite: <i>None</i> .		
Credential Offered: <i>ServSafe-Manager</i>		
Foods and Nutrition is a course designed to enable students to explore the relationship between food, nutrition, fitness, and wellness. Students learn how to select and prepare nutritious foods.		

<b>Food Safety and Microbiology</b> <i>Available grades 10 - 12</i>	<b>19252G1000</b>	<b>Credit:1</b> <b>Fee N/A</b>
Pre-requisite: <i>None</i> .		
Credential Offered: <i>ServSafe-Manager</i>		
Food Safety and Microbiology is a specialized area of study focusing on pathogens and spoilage microorganisms in foods, the conditions under which they grow, and conditions under which they are commonly inactivated, killed, or made harmless; principles involved in food fermentation; the role of food in immunology; effective sanitation practices to control pathogen and microbial growth in food; principles involved in food preservation; grade classifications of meat and produce; and microbial analysis to determine food quality.		
<b>Dietetics</b> <i>Available grades 10 - 12</i>	<b>19252G1000</b>	<b>Credit:1</b> <b>Fee N/A</b>
Pre-requisite: <i>None</i> .		
Credential Offered: <i>ServSafe-Manager</i>		
This is a one-credit course designed to provide students with advanced knowledge and skills used in nutrition and dietetics. Major topics include nutrition, meal planning, safety, food science, and professional behavior.		
<b>Sports Nutrition</b> <i>Available grades 10 - 12</i>	<b>19253G1001</b>	<b>Credit:1</b> <b>Fee N/A</b>
Pre-requisite: <i>None</i> .		
This is a one credit course that examines the relationship between nutrition, physical performance, and overall wellness. Students will learn how to choose nutritious foods for healthy lifestyles and peak performance. Health and disease prevention through nutrition, physical activity, and wellness practices are essential components of the course. This course emphasizes the metabolic process and management of food choices for optimal health and physical performance. Students are challenged to develop personal fitness and nutrition plans.		
<b>Event Planning</b> <i>Available grades 10 - 12</i>	<b>16057G1000</b>	<b>Credit:1</b> <b>Fee N/A</b>
Pre-requisite: <i>None</i> .		
This is a one-credit course taught in grades 9-12. Students will learn to organize and plan all aspects of business and social events including the food, location, and decor associated with hiring an event planner. Concepts taught in the course to meet the needs of clients including planning for the event with activities, establishing a budget, determining the theme, planning the guest list, determining the location, developing an event plan schedule, planning transportation needs, training of staff, staging the event, calculating room and space requirements, providing necessary technology and equipment, planning food and beverage services, securing entertainment, understanding legal issues in event planning, and conducting post-evaluations of events. Students demonstrate leadership characteristics and make decisions based on integrating knowledge of financial, human resources, promotion, and event management principles. Students are prepared for various career opportunities in event planning.		
<b>Fashion</b> <i>Available grades 10 - 12</i>	<b>05190G1001</b>	<b>Credit:1</b> <b>Fee N/A</b>
Pre-requisite: <i>None</i> .		
Credential Offered:		
A one-credit course designed to introduce students to the selection and care of clothing and accessories for individuals and families throughout the life span. A school-based laboratory is required for this course.		

<b>Food Innovations and Media</b> <i>Available grades 10 - 12</i>	<b>19999G1000</b>	<b>Credit:1</b> <b>Fee N/A</b>
Pre-requisite: <i>None</i>		
<p>This is a one-credit course designed for students to learn how to express their creativity through foods. This course promotes critical thinking and decision making and develops food preparation, and communication and technology skills. Concepts such as the differences between images for marketing/advertising/public relations and consumer use; the differences between food for print and motion, e.g., web, video, TV; elements of styling: hyper-realism versus real-life; elements of photography: lighting, depth of field, angles; using and applying social media and digital design techniques; journalism skills; and trends in the food industry are included in the course. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.</p>		

## Health Science

The Health Science program’s instructional content incorporates project- and problem-based healthcare practices and procedures to demonstrate knowledge and skills fundamental to a variety of healthcare careers. Knowledge and skills are reinforced and enhanced through participation in HOSA – Future Health Professionals and work-based learning opportunities that are age and grade appropriate.

These courses are offered on the campus of the Houston County Career Academy.

### Health Science Course Offerings and Descriptions

Health Science Pathway			
Course Sequence			
Course Number	Course	Credit Eligible	Fee
<b>14002G1001</b>	<b>Foundations of Health Science</b>	<b>1.0</b>	<b>No Fee</b>
<b>14299G1001</b>	<b>Human Body Structure and Functions</b>	<b>1.0</b>	<b>No Fee</b>
<b>14298G1000</b>	<b>Health Science Internship*</b>	<b>1.0</b>	<b>No Fee</b>
<b>14154G1000</b>	<b>Patient Care Technician*</b>	<b>1.0</b>	<b>No Fee</b>
<i>*This course has a Pre-requisite. Please view the course description</i>			
<i>+Designates a 1 point GPA weight addition</i>			

Course Name	ALSDE Course Number	Credit/Grades
<b>Foundations of Health Science</b> <i>Available grades 11-12</i>	<b>14002G1001</b>	<b>Credits: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
This is a one-credit course that introduces students to a wide range of health careers. This course is designed to focus on basic medical terminology, body structure and function, and legal and ethical implications in health care. Students will be introduced to and practice skills required for health care careers. <b>This course is the Pre-requisite for all health science courses except Medical Terminology.</b> It is recommended for students who want to prepare for further study in health-related fields at the postsecondary level.		
<b>Human Body Structures and Functions</b> <i>Available grades 11- 12</i>	<b>14299G1001</b>	<b>Credits: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>None</i>		
This is a one-credit course designed to help students learn care content that emphasizes the structure and functions of cells, tissues, organs, organization of the human body systems, and medical terminology. Scientific processes, problem-based learning and critical thinking are integral parts of the course.		
<b>Health Science Internship</b> <i>Available grade 12</i>	<b>14298G1000</b>	<b>Credits: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Foundations of Health Science</i>		
Credential Offered: <i>Certified Patient Care Technician</i>		
Health Science Internship is a one-credit course where students will develop basic technical skills required for health career specialties including patient privacy, communication, teamwork, and occupational safety. Students will utilize problem-solving techniques while completing a minimum of 24 hours in a clinical rotation.		

<b>Patient Care Technician</b> <i>Available grade 12</i>	<b>1405G1000</b>	<b>Credits: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Foundations of Health Science</i>		
Credential Offered: <i>Certified Patient Care Technician</i>		
<p>Patient Care Technician is a one credit course that provides students the opportunity to become effective and efficient multi-skilled healthcare providers. Students will develop a working knowledge of advanced patient care skills, vital signs, 12-lead EKGs, oxygen therapy, basic phlebotomy via simulation, and specimen collection and processing. Essential workforce skills and safety will be emphasized, as well as, professional ethics and legal responsibilities. Students will ascertain employability skills and soft skills required by business and industry. Upon successful completion of required theory, lab, and simulation, students may be eligible to sit for Patient Care Technician Certification. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.</p>		

## Information Technology

The Information Technology (Network Systems and Computer Services) program is for students who are interested in careers that involve information technology security, network analysis, planning, and implementation, including design, installation, repair, maintenance, and management of network systems. Courses provide an overview of the knowledge and skills required in network and systems administration.

### Information Technology Course Offerings and Descriptions

Health Science Pathway			
Course Sequence			
Course Number	Course	Credit Eligible	Fee
<b>10111G1000</b>	<b>Computer Management and Support</b>	<b>1.0</b>	<b>No Fee</b>
<b>10001G1000</b>	<b>Information Technology Fundamentals</b>	<b>1.0</b>	<b>No Fee</b>
<b>10101G1014</b>	<b>Networking I</b>	<b>1.0</b>	<b>No Fee</b>
<b>10102G1002</b>	<b>Information Technology Support &amp; Services</b>	<b>1.0</b>	<b>No Fee</b>
<b>10101G1024</b>	<b>Networking II</b>	<b>1.0</b>	<b>No Fee</b>
<b>10102G1034</b>	<b>Networking III</b>	<b>1.0</b>	<b>No Fee</b>
<i>*This course has a Pre-requisite. Please view the course description</i>			
<i>+Designates a 1 point GPA weight addition</i>			

Course Name	ALSDE Course Number	Credit/Fee
<b>Computer Management and Support</b> <i>Available grades 11 - 12</i>	<b>10111G1000</b>	<b>Credit:1</b> <b>Fee N/A</b>
Pre-requisite: <i>None.</i>		
This is a one-credit course that provides students with skills necessary to manage a stand-alone computer on a home network.		
<b>Information Technology Fundamentals</b> <i>Available grades 11 - 12</i>	<b>10001G1000</b>	<b>Credit:1</b> <b>Fee N/A</b>
Pre-requisite: <i>None.</i>		
Credential Offered:		
This is a one-credit course that introduces students to the knowledge base and technical skills for information technology careers. Students study the nature of business and demonstrate knowledge of the functions of information systems in business.		
<b>Networking I</b> <i>Available grades 11 - 12</i>	<b>10101G1014</b>	<b>Credit:1</b> <b>Fee N/A</b>
Pre-requisite: <i>None.</i>		
Credential Offered:		
This is a one-credit course designed to provide students with skills involving a hands-on, career-oriented approach to learning networking that includes practical experiences. It is recommended that Information Technology Fundamentals be taken prior to this course.		

<b>Information Technology Support &amp; Services</b> <i>Available grades 11 - 12</i>	<b>10102G1002</b>	<b>Credit:1</b> <b>Fee N/A</b>
Pre-requisite: <i>None.</i>		
Credential Offered:		
This is a one-credit course designed to provide students with knowledge of computer hardware, operating systems, and computer software applications. This course provides students with additional skills necessary to effectively plan, develop, and administer both a local area network (LAN) and a wide area network		
<b>Networking II</b> <i>Available grades 11 - 12</i>	<b>10101G1024</b>	<b>Credit:1</b> <b>Fee N/A</b>
Pre-requisite: <i>Completion of Networking I</i>		
This is a one-credit course designed to provide students will skills involving hands-on learning by installing a router, configuring a server, and performing disaster recovery.		
<b>Networking III</b> <i>Available grades 11 - 12</i>	<b>10102G1034</b>	<b>Credit:1</b> <b>Fee N/A</b>
Pre-requisite: <i>Completion or enrollment in Networking II.</i>		
This is a one-credit course designed to provide students with the skills needed to perform routing and switching in an enterprise network. Students configure a switch with virtual local area networking and inter-switch communication.		

## Junior Reserves Officer Training Corps (JRTOC)

The Houston County School System is proud to offer our students the opportunity to participate in the Junior Reserves Officer Training Corps program. The mission of JROTC is “to motivate young people to be better citizens.” The primary focus of the program is citizenship and leadership development. This program is a broad-based progressive training program which allows cadets to develop and showcase their leadership skills. The JROTC curriculum covers subjects which prepare students for life, not the just the armed services. Within the Houston County School System, we offer Army JROTC to students at Ashford, Cottonwood, Houston County High School, and Wicksburg High School. Students at Rehobeth High School are able to participate in the Navy JROTC program at their school.

### Army JROTC

The objectives of Army JROTC program are to prepare Cadets for leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens. The program provides instruction and opportunities to benefit the student, community, and nation.

These courses are offered on the campus of the Houston County Career Academy.

### Navy JROTC

The objectives of Navy JROTC are to instill in students in United States secondary educational institutions the values of citizenship, service to the United States, personal responsibility, and a sense of accomplishment.

These courses are offered on the campus of Rehobeth High School only.

## JROTC Course Offerings and Descriptions

ARMY JROTC Pathway			
Course Sequence			
Course Number	Course	Credit Eligible	Fee
09051G1001/ 09051G1002	Army JROTC Leadership Education and Training I	2.0	No Fee
0952G1001/ 0952G1002	Army JROTC Leadership Education and Training II	2.0	No Fee
<i>*This course has a Pre-requisite. Please view the course description</i>			



Course Name	ALSDE Course Number	Credit/Fee
<b>Army JROTC Leadership Education and Training I</b> <i>Available grades 9-12</i>	<b>09051G1001/ 09051G1002</b>	<b>Credit: 2</b> <b>Fee: N/A</b>
Pre-requisite: <i>None.</i>		
This is a one-credit course that provides first-year cadets with classroom and laboratory instruction in the history, customs, traditions, and purpose of Army JROTC. Emphasis is placed on leadership skills, principles, values and attributes, and diversity. This course will be paired with another course so that students will earn two credits.		
<b>Army JROTC Leadership Education and Training II</b> <i>Available grades 9-12</i>	<b>0952G1001/ 0952G1002</b>	<b>Credit: 2</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of JROTC Leadership Ed I and Instructor approval required</i>		
This is a one-credit course designed to provide intermediate instruction in leadership and citizenry, and the expansion of skills taught in LET I. Emphasis is placed on communication techniques, cadet challenges, American citizenship, map reading, and the role of the U. S. Army. This course will be paired with another course so that students will earn two credits.		

<b>NAVY JROTC Pathway</b>			
<b>Course Sequence</b>			
Course Number	Course	Credit Eligible	Fee
<b>09101G1001/ 09101G1003</b>	<b>Naval Science I: Introduction to the US Navy</b>	<b>2.0</b>	<b>N/A</b>
<b>09102G1001/ 09102G1003</b>	<b>Naval Science II: Maritime History, Leadership, and Nautical Services*</b>	<b>2.0</b>	<b>N/A</b>
<b>09103G1001/ 09103G1003</b>	<b>Naval Science III: Naval Knowledge and Skill*</b>	<b>2.0</b>	<b>N/A</b>
<b>09104G1001/ 09104G1003</b>	<b>Naval Science IV: Advanced Naval Leadership*</b>	<b>2.0</b>	<b>N/A</b>
<i>*This course has a Pre-requisite. Please view the course description</i>			

Course Name	ALSDE Course Number	Credit/Fee
<b>Naval Science I: Introduction to the US Navy</b> <i>Available grades 9-11</i>	<b>09101G1001/ 09101G1002</b>	<b>Credit: 2</b> <b>Fee: N/A</b>
Pre-requisite: <i>None.</i>		
This is a one-credit course that provides an introduction to NJROTC, career planning, leadership skills, citizenship and American Government, US Navy ships and aircrafts, wellness and first aid, survival skills, and geography. Students are also introduced to the basic principles of leadership. This course will be paired with another course so that students will be enrolled yearlong.		

<b>Naval Science II: Maritime History, Leadership, and Nautical Services</b> <b><i>Available grades 10 - 12</i></b>	<b>09102G1001/ 09102G1002</b>	<b>Credit: 2 Fee: N/A</b>
<i>Pre-requisite: Completion of Naval Science I and Instructor approval required</i>		
This is a one-credit course designed to provide instruction in maritime history, leadership, maritime geography, oceanography, meteorology, astronomy, and physical science. The cadets will illustrate an understanding of people governments, military, and geopolitics. This course will be paired with another course so that students will be enrolled yearlong.		
<b>Naval Science III: Naval Knowledge and Skill</b> <b><i>Available grades 11 - 12</i></b>	<b>09103G1001/ 09103G1003</b>	<b>Credits: 2 Fee: N/A</b>
<i>Pre-requisite: Completion of Naval Science II and Instructor approval required</i>		
This is a one-credit course to assist students in developing competencies in sea power and national security, military and international law, ship construction and organization, basic seamanship, maritime navigation, and naval weapons and aircraft. This course will be paired with another course so that students will be enrolled yearlong.		
<b>Naval Science IV: Advanced Naval Leadership*</b> <b><i>Available grades 11-12</i></b>	<b>09104G1001/ 09104G1003</b>	<b>Credits: 2 Fee: N/A</b>
<i>Pre-requisite: Completion of Naval Science III and Instructor approval required</i>		
This is a one-credit course that provides opportunities for practical applications in leadership, case studies, citizenship, personal responsibilities, operational risk management, long- and short-range planning, and community involvement and interaction. This course will be paired with another course so that students will be enrolled yearlong.		

## Work-Based Learning (Co-op)

<b>Work Based Learning</b>			
<b>Course Sequence</b>			
<b>Course Number</b>	<b>Course</b>	<b>Credit Eligible</b>	<b>Fee</b>
<b>See Counselor/ Instructor</b>	<b>Work Based Learning</b>	<b>1.0 – 4.0</b>	<b>No Fee</b>
<i>* This course has a Pre-requisite. Please view the course description</i>			

<b>Course Name</b>	<b>ALSDE Course Number</b>	<b>Credit/Grades</b>
<b>Work Based Learning</b> <i>Available grades 11 - 12</i>	<b>See Counselor/ Instructor</b>	<b>Credit: 1-4</b> <b>Fee: N/A</b>
<i>Pre-requisite: Career Preparedness and an additional Career Technical course</i>		
<p>Cooperative Education Lab is the work portion of the Career/Technical Cooperative Education Program. The course provides students with the opportunity to evaluate and develop a career plan and update a career portfolio. Students are dismissed early from the school to work in local businesses and schools. Positions are earned through job interviews. Students must work a minimum number of hours per week and are required to keep a record of hours worked. Students must provide their own transportation.</p>		

## Dual Enrollment Information

The Houston County School System partners with Wallace Community College, Enterprise State's Alabama Aviation College, Auburn University Montgomery, and the University of Alabama to provide dual enrollment for dual credit as an enrichment opportunity allowing eligible high school students to earn high school and college credits for courses taken through an Alabama Community College System (ACCS) institution while still enrolled in high school. Other schools may be approved at the discretion of the superintendent. Dual enrollment for dual credit is available to students attending public, private, parochial or church/religious schools pursuant to §16-28-1 of the Code of Alabama 1975, or who are receiving instruction from a home school/private tutor pursuant to §16-28-5 of the Code of Alabama 1975.

### Eligibility, Requirements, and Responsibilities

Students must meet the following criteria to be determined eligible for dual enrollment for dual credit opportunities:

1. Students must satisfy the requirements prescribed in the Alabama Community College System Board of Trustees Policy 801.01: Admission: General, with the exception of proof of high school graduation or GED completion.
2. Students must be in grade 10, 11, or 12. An exception may be granted by the Chancellor of the Alabama Community College System for students documented as gifted and talented in accordance with Alabama Administrative Code §290-8-9.12.
3. Students seeking enrollment in courses leading to dual enrollment for dual credit coursework must have a minimum cumulative (unweighted) high school grade point average of 3.0 on a 4.0 scale for academic options and a minimum cumulative (unweighted) high school grade point average of a 2.5 on a 4.0 scale for career and technical courses. Specific programs may require higher GPAs and/or have other selective admission requirements.
4. Students must achieve benchmark scores on the Accuplacer Test or ACT as required by the postsecondary institution.

Required Benchmark Scores	
<b>DE English</b>	<b>18 or higher ACT English Score</b>
<b>Math 112</b>	<b>22 or higher ACT Math Score</b>
<b>Math 113</b>	<b>23 or higher ACT Math Score</b>
<b>Math 125</b>	<b>25 or higher ACT Math Score</b>

5. Transportation is the responsibility of the parent/guardian or student.
6. Students in dual enrollment for dual credit courses are responsible for the cost of tuition, fees, textbooks, and materials and supplies as required by the college, unless covered by alternative funding sources. The current tuition and fee schedules are posted on the college websites and in the College's Catalog.

7. Class attendance is considered an essential part of the educational process. Students are expected to punctually attend all classes in which they are registered. Excessive absences, regardless of the reason or circumstance, may interfere with the student's ability to successfully complete the requirements of the course.
  - a. Students will follow the college schedule of classes to include holidays and breaks unless agreements have been made between the college and high schools that dictate otherwise.
  - b. Students are expected to attend each class session, to arrive on time, and to remain for the entire class session.
  - c. When a student is absent from class, the student is responsible for all material covered in the class and for any assignments made in class. The instructor is not required to review any material missed as a result of the student being absent, nor is the instructor required to provide an opportunity for makeup work.

### **Provisions for Disability Services and Accommodations**

Participation in a dual enrollment for dual credit program is considered to be a choice on the part of the student. The Individuals with Disabilities Education Act (IDEA) requirements concerning a Free Appropriate Public Education (FAPE) do not apply in a postsecondary educational setting. Furthermore, since requirements under the IDEA do not apply to the postsecondary level, the college is not obligated to provide services described in the Individual Education Plan (IEP) for dual enrollment for dual credit courses.

The college will comply with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act (ADA) which guarantees that “no qualified individual with a disability may be excluded from participation in, denied benefits of, or otherwise be subjected to discrimination if otherwise qualified”. Students with disabilities who meet the pre-requisites for the college courses may be provided reasonable accommodations that allow equal access.

It is the student’s responsibility to disclose and provide current documentation of his or her disability to the appropriate college official. Decisions regarding accommodations provided in college courses will be made by the college upon submission of appropriate disability documentation. The college will not provide modifications to change the course content or performance expectations that would substantially alter the essential functions or physical demands of the course. Some accommodations available at the high school might not be provided by the college.

### **Course Determination**

1. All dual enrollment for dual credit courses must be approved, in advance, by the high school counselor, principal, and parent/guardian.
2. Dual Enrollment for dual credit courses may be taken online, during summer, evenings, or during the regular school day if approved by the student’s home school principal.

3. Courses selected for dual enrollment must satisfy the high school requirements established by the Alabama State Department of Education. The student's home school counselor or principal will determine the courses eligibility.
4. Courses that are taken without approval will not be counted on the student's high school transcript.
5. Scheduling conflicts between the high schools and the college may prevent dual enrollment opportunities in some cases.

### **Grades and Credits**

1. One (1) three semester credit hour postsecondary/college level course shall equal one (1) high school Carnegie credit in the same or related subject at the secondary level.
  - a. Partial credit agreements shall be developed between the college and the LEA based on additional instructional or lab time.
2. Courses successfully completed for dual credit shall be posted on both the college and LEA transcripts. Courses completed for dual credit shall be transcribed with the appropriate statement on the college transcript indicating dual enrollment credit. It shall be the responsibility of the college to report grades (in numerical format) to LEA officials.
  - a. Grades earned through approved dual enrollment credit opportunities will be posted on the high school and will be used to calculate the student's overall grade point average.
  - b. Dual enrollment courses completed during the summer will be added to the student's most recently completed calendar year.
  - c. Approved Dual enrollment for dual credit courses are granted an additional 1 point weight in the GPA calculation for a total of 5.33 possible GPA points.
3. A student cannot earn more than 12 credits in a calendar year on their high school transcript.
  - a. The calendar year is defined as August 1 – July 31.
4. In some cases, the responsibility to submit a certified copy of the college grades to the high school will rest on the student. This is specifically the case for students that take courses not associated with the Houston County School System's normal dual enrollment for dual credit process.

### **Other Understandings, Information, and/or Responsibilities**

1. In accordance with the Alabama State Department of Education and the Alabama Community College System guidelines, a student who withdraws or fails a dual enrollment course will be required to sit out one semester before enrolling in another dual enrollment course. Summer terms cannot count as the required semester off.
2. If a student withdraws or drops a dual enrollment course, the student will receive a 59/F on their high school transcript. Students requesting a schedule change of a dual

enrollment course will be placed in the best available high school equivalent course. These decisions will be made based on availability and class capacity guidelines.

3. A student who is enrolled in a career and technical dual enrollment course in which the tuition is paid by Workforce Development Dual Enrollment Grant funds must complete a minimum of one semester before dropping the class. Dropping on the above-mentioned courses required permission of the Career and Technical Education Administrator.
4. It is important to remember that all dual enrollment courses do not meet daily and attendance requirements and protocols on the days the class does not meet will be established by the student's home school.

## Dual Enrollment Course Offerings and Descriptions (Academic)

Dual Enrollment for Dual Credit General Academic Options			
English Courses			
Course Number	Course	Short Name	Credit
01999C1001	English Composition I <sup>+</sup>	ENG 101	1.0
01999C1002	English Composition II <sup>+</sup>	ENG 102	1.0
<i>Other English options are available upon request and administrative approval</i>			
Math Courses			
02999C1001	Finite Mathematics <sup>+</sup>	MTH 110	1.0
02999C1002	Precalculus Algebra <sup>+</sup>	MTH 112	1.0
02999C1003	Precalculus Trigonometry <sup>+</sup>	MTH 113	1.0
02999C1005	Calculus I <sup>+</sup>	MTH 125	1.0
<i>Other Math options are available upon request and administrative approval</i>			
Science Courses			
03999C1004	Principles of Biology I <sup>+</sup>	BIO 103	1.0
03999C1005	Principles of Biology II <sup>+</sup>	BIO 104	1.0
03999C1008	Human Anatomy and Physiology I <sup>+</sup>	BIO 201	1.0
03999C1009	Human Anatomy and Physiology II <sup>+</sup>	BIO 202	1.0
<i>Other Science options are available upon request and administrative approval</i>			
Social Studies Courses			
04999C1009	United States History I <sup>+</sup>	HIS 201	1.0
04999C1010	United States History II <sup>+</sup>	HIS 202	1.0
04999C0517	American National Government <sup>+</sup>	POL 211	1.0
04999C0503	Principles of Macroeconomics <sup>+</sup>	ECO 231	1.0
04999C0504	Principles of Microeconomics <sup>+</sup>	ECO 232	1.0
04999C1018	General Psychology <sup>+</sup>	PSY 200	1.0
<i>Other Social Studies options are available upon request and administrative approval</i>			
Art Education Courses			
05999C1001	Art Appreciation <sup>+</sup>	ART 100	1.0
05999C1026	Music Appreciation <sup>+</sup>	MUS 101	1.0
Elective Course Options			
11999C1004	Fundamentals of Public Speaking <sup>+</sup>	SPH 107	1.0
<i>Other Art Education options are available upon request and administrative approval</i>			
<i>+Designates a 1 point GPA weight addition</i>			



<b>Course Name</b>	<b>ALSDE Course Number</b>	<b>Credit</b>
<b>English Composition I</b>	<b>01999C1001</b>	<b>Credit: 1</b>
Pre-requisite: <i>Satisfactory completion of ENR 098, at least 5 on the writing section of the ACCUPLACER placement test, or a score of 18 or better on the English portion of the ACT (or equivalent SAT score).</i>		
High School Equivalent: <i>English 11 or English 12</i>		
English Composition I provides instruction and practice in the writing of at least four (4) extended compositions and the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. English Composition I may include instruction and practice in library usage.		
<b>English Composition II</b>	<b>01999C1001</b>	<b>Credit:1</b>
Pre-requisite: <i>A grade of "C" or better in ENG 101 or equivalent</i>		
High School Equivalent: <i>English 11 or English 12</i>		
English Composition II provides instruction and practice in writing four (4) formal, analytical essays, at least one of which is a research project, using outside sources and/or references effectively and legally. Additionally, the course provides instruction in developing analytical and critical reading skills in the composition process and may include instruction and practice in library use.		
<b>Finite Mathematics</b>	<b>02999C1001</b>	<b>Credit: 1</b>
Pre-requisite: <i>C or higher in MTH 098) or ACT Math 22-23 or appropriate ACCUPLACER score.</i>		
High School Equivalent: <i>Math 4 or Math 5</i>		
This course provides an overview of topics in finite mathematics together with their applications and is intended for students who are not majoring in science, engineering, commerce, or mathematics (i.e., students who are not required to take calculus). The course introduces logic, set theory, counting techniques, basic probability, statistics, and personal finance.		
<b>Precalculus Algebra</b>	<b>02999C1002</b>	<b>Credit:1</b>
Pre-requisite: <i>MTH 100 (C or higher) or ACT Math 22-23 or appropriate ACCUPLACER score.</i>		
High School Equivalent: <i>Math 4 or Math 5</i>		
This course emphasizes the algebra of functions – including polynomial, rational, exponential, and logarithmic functions. In addition, the course covers non-linear inequalities as well as systems of linear and non-linear equations and inequalities. May be paired with corequisite MTH 111.		
<b>Precalculus Trigonometry</b>	<b>02999C1003</b>	<b>Credit: 1</b>
Pre-requisite: <i>MTH 112 (C or higher) or ACT Math 22-23 or appropriate ACCUPLACER score.</i>		
High School Equivalent: <i>Math 4 or Math 5</i>		
This course includes the study of trigonometric (circular) functions and inverse trigonometric functions, as well as extensive work with trigonometric identities, equations, and formulas. The course also covers vectors, complex numbers, DeMoivre's Theorem, and polar graphs. Additional topics may include conic sections and product - sum formulas.		
<b>Calculus I</b>	<b>02999C1005</b>	<b>Credit: 1</b>
Pre-requisite: <i>MTH 113 (C or higher) or ACT Math 24 (or higher) or appropriate ACCUPLACER score.</i>		
High School Equivalent: <i>Math 4 or Math 5</i>		
This is the first of three courses in the basic calculus sequence taken primarily by students in science, engineering, and mathematics. Topics include the limit of a function; the derivative of algebraic, trigonometric, exponential, and logarithmic functions; and the definite integral and its basic applications to area problems. Applications of the derivative are covered in detail, including approximations of error using differentials, maximum and minimum problems, and curve sketching using calculus.		

<b>Principles of Biology I</b>	<b>03999C1004</b>	<b>Credit:1</b>
Pre-requisite: <i>None</i>		
High School Equivalent: <i>Science 3 or Science 4</i>		
This is an introductory course for science and non-science majors. It covers physical, chemical, and biological principles common to all organisms. These principles are explained through a study of cell structure and function, cellular reproduction, basic biochemistry, cell energetics, the process of photosynthesis, and Mendelian and molecular genetics. Also included are the scientific method, basic principles of evolution, and an overview of the diversity of life with emphasis on viruses, prokaryotes, and protist. A 120-minute laboratory is required.		
<b>Principles of Biology II</b>	<b>03999C1005</b>	<b>Credit: 1</b>
Pre-requisite: <i>A grade of C or better in BIO 103</i>		
High School Equivalent: <i>Science 3 or Science 4</i>		
This course is an introduction to the basic ecological and evolutionary relationships of plants and animals and a survey of plant and animal diversity including classification, morphology, physiology, and reproduction. A 180-minute laboratory is required.		
<b>Human Anatomy and Physiology I</b>	<b>03999C1008</b>	<b>Credit: 1</b>
Pre-requisite: <i>A grade of C or better in BIO 103 or successful placement on the Alabama Community College System Biology Placement Exam</i>		
High School Equivalent: <i>Science 3 or Science 4</i>		
Human Anatomy and Physiology I covers the structure and function of the human body. Included is an orientation of the human body, basic principles of chemistry, a study of cells and tissues, metabolism, joints, the integumentary, skeletal, muscular, and nervous systems, and the senses. Dissection, histological studies, and physiology are featured in the laboratory experience. A 120-minute laboratory is required.		
<b>Human Anatomy and Physiology II</b>	<b>03999C1009</b>	<b>Credit: 1</b>
Pre-requisite: <i>A grade of C or better in BIO 103 or successful placement on the Alabama Community College System Biology Placement Exam and a grade of C or better in BIO 201.</i>		
High School Equivalent: <i>Science 3 or Science 4</i>		
Human Anatomy and Physiology II covers the structure and function of the human body. Included is a study of basic nutrition, basic principles of water, electrolyte, and acid-base balance, the endocrine, respiratory, digestive, excretory, cardiovascular, lymphatic, and reproductive systems. Dissection, histological studies, and physiology are featured in the laboratory experience. A 120-minute laboratory is required.		
<b>United States History I</b>	<b>04999C1009</b>	<b>Credit: 1</b>
Pre-requisite: <i>None</i>		
High School Equivalent: <i>United States History 1: Beginnings to Industrial Revolution</i>		
This course surveys United States history from the pre-Columbian period to the Civil War era.		
<b>United States History II</b>	<b>04999C1010</b>	<b>Credit: 1</b>
Pre-requisite: <i>None</i>		
High School Equivalent: <i>United States History 2: Industrial Revolution to the Present</i>		
This course surveys United States history from the Civil War era to the Modern era.		
<b>American National Government</b>	<b>04999C0517</b>	<b>Credit: 1</b>
Pre-requisite: <i>Appropriate placement scores.</i>		
High School Equivalent: <i>United States Government (0.5 Credit)</i>		
This course surveys the background, constitutional principles, organization, and operation of the American political system. Topics include the U. S. Constitution, federalism, civil liberties, civil rights, political parties, interest groups, political campaigns, voting behavior, elections, the presidency, bureaucracy, Congress, and the justice system. Upon completion, students should be able to identify and explain relationships among the basic elements of American government and function as more informed participants of the American political system.		

<b>Principles of Macroeconomics</b>	<b>04999C0503</b>	<b>Credit:1</b>
Pre-requisite: <i>None</i>		
High School Equivalent: <i>Economics (0.5 Credit)</i>		
This course is an introduction to macroeconomic theory, analysis, and policy applications. Topics include the following: scarcity, demand and supply, national income analysis, major economic theories concerning monetary and fiscal policies as stabilization measures, the banking system, and other economic issues or problems including international trade.		
<b>Principles of Microeconomics</b>	<b>04999C0504</b>	<b>Credit: 1</b>
Pre-requisite: <i>As required by program.</i>		
High School Equivalent: <i>Economics (0.5 Credit)</i>		
This course is an introduction of the microeconomic theory, analysis, and applications. Topics include scarcity; the theories of consumer behavior, production and cost, markets, output and resource pricing, and international aspects of microeconomics.		
<b>Art Appreciation</b>	<b>05999C1001</b>	<b>Credit: 1</b>
Pre-requisite: <i>None</i>		
High School Equivalent: <i>1 Fine Art Credit</i>		
his course is an introduction to the appreciation of art through an examination of the themes and purposes of art, the exploration of visual arts media and methods, and culturally significant works of art from the past and present. The course informs students about the language of art and its relevance in everyday life.		
<b>Music Appreciation</b>	<b>05999C1026</b>	<b>Credit: 1</b>
Pre-requisite: <i>None</i>		
High School Equivalent: <i>1 Fine Art Credit</i>		
This course is designed for non-music majors and requires no previous musical experience. It is a survey course that incorporates several modes of instruction including lecture, guided listening, and similar experiences involving music. The course will cover a minimum of three (3) stylistic periods, provide a multi-cultural perspective, and include both vocal and instrumental genres. Upon completion, students should be able to demonstrate a knowledge of music fundamentals, the aesthetic/stylistic characteristics of historical periods, and an aural perception of style and structure in music.		
<b>Fundamentals of Public Speaking</b>	<b>11999C1004</b>	<b>Credit: 1</b>
Pre-requisite: <i>None</i>		
High School Equivalent: <i>1 Elective Credit</i>		
This course explores principles of audience and environment analysis as well as the actual planning, rehearsing and presenting of formal speeches to specific audiences. Historical foundations, communication theories and student performances are emphasized.		

***This is not an exhaustive list of academic dual enrollment options. Other course options may be available for students. Courses not listed in the preceding list and descriptions must be approved by an administrator before they can be taken in order to receive dual enrollment for dual credit status. Courses not approved by an administrator can be taken as college credit only as a part of early enrollment.***

## Career and Technical Dual Enrollment Programs through WCC



WALLACE  
COMMUNITY  
COLLEGE  
Dothan • Eufaula

The following courses are offered as dual enrollment courses with Wallace Community College on the campus of Houston County Career Academy. More information regarding these specific programs and courses can be found on the Houston County Career Academy website or by visiting with your home school guidance counselor.

### Emergency Medical Services

EMS 118: Emergency Medical Technician

EMS 119: Emergency Medical Technician Clinical

### Medical Assisting

MAT 101: Medical Terminology

MAT 102: Medical Assisting Theory I

MAT 125: Laboratory Procedures I

MAT 128: Medical Law and Ethics

### Welding

WDT 107: SMAW/Fillet/OFC/PAC/CAC

WDT 110: Industrial Blueprint Reading

WDT 120: Shielded Metal Arc Welding Groove

WDT 122: SMAW Fillet/OFC Lab

WDT 123: SMAW Fillet/PAC/CAC/Lab

WKO 106: Workplace Skills



# ENTERPRISE STATE COMMUNITY COLLEGE

## Aviation Maintenance Technology

### Suggested Course Sequence

#### Aviation Maintenance Technology (AMT), Airframe

#### For High School Dual Enrollment Students

<b>Term</b>	<b>Course Number/Name</b>	<b>Credit Hours</b>	<b>Format</b>
<b>Fall</b>	AMT 100/Technical Preparation	5	F2F
	AMT 101/Basic Electricity	5	F2F
	AMT 102/Materials and Processes	5	F2F
<b>Term</b>	<b>Course Number/Name</b>	<b>Credit Hours</b>	<b>Format</b>
<b>Spring</b>	AMT 101/Basic Electricity	5	F2F
	AMT 102/Materials and Processes	5	F2F
	AMT 111/Aircraft Sheet Metal Structures	5	F2F

Students may take additional AMT courses at the Alabama Aviation Center Ozark campus either in the evenings or summer term to continue the Aviation Maintenance Technology program.

## Programs through Alabama Fire College



### Fire Science

This program is for students who are interested in pursuing careers in emergency and fire management services. Courses provide students with information regarding career possibilities in firefighting, including instruction in application of firefighting techniques, emergency medical profession, and specialized public service jobs. Topics include forcible entry; tactical ventilation; fire control; loss control; fire origin and cause determination; firefighter survival; hazards, behavior, and identification of hazardous materials and weapons of mass destruction; and hazardous material operations, product control and personal protective equipment. Students who successfully complete Fire Science I and II and pass the certification tests will earn 160 of the 360 hours required to complete Alabama Fire College Firefighter I and II certifications.

### Fire Science Course Offerings and Descriptions

Health Science Pathway			
Course Sequence			
Course Number	Course	Credit Eligible	Fee
15152G1001	Firefighting I	1.0	No Fee
15151G1001	Fire Science I	1.0	No Fee
15152G1000	Fire Fighting II*	1.0	No Fee
15151G1000	Fire Science II*	1.0	No Fee
<i>*This course has a Pre-requisite. Please view the course description</i>			
<i>+Designates a 1 point GPA weight addition</i>			

Course Name	ALSDE Course Number	Credit/Grades
Firefighting I <i>Available grades 11 - 12</i>	1512G1001	Credits: 1 Fee: N/A
Pre-requisite: <i>None</i>		
Firefighting I is designed to provide the student with basic information on fire service organization, the fire ground environment, firefighter safety, and the science of fire and fire behavior.		

<b>Fire Science I</b> <i>Available grades 11 - 12</i>	<b>15151G1001</b>	<b>Credits: 1</b> <b>Fee: N/A</b>
Pre-requisite: None		
Fire Science I is designed to provide students with information regarding career possibilities in firefighting and instruction in firefighting techniques. Topics include emergency care provider; fire service history and orientation; fire department communications; fire behavior; firefighter safety and health; personal protective equipment; portable fire extinguishers; water supply; fire hose and streams; fire life safety initiatives; building construction; ground ladders; ropes and knots; and structure search and victim removal. Students who successfully complete Fire Science I and II and pass the certification tests will earn 160 of the 360 hours required to complete Alabama Fire College Firefighter I and II certifications.		
<b>Firefighting II</b> <i>Available grades 11 --12</i>	<b>15152G1000</b>	<b>Credits: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Firefighting I and Fire Science I</i>		
Credential Offered:		
Firefighting II is designed to provide the student with expanded information on fire service organization, fire ground environment, firefighter safety, the science of fire, and fire behavior. Specific course topics surveyed and demonstrated through practical exercises include forcible entry, ground ladders, and tactical ventilation; fire and loss control; determination of origins and causes of fires; firefighter survival; and dealing with hazardous material and weapons of mass destruction.		
<b>Fire Science II</b> <i>Available grades 11 - 12</i>	<b>15151G1000</b>	<b>Credits: 1</b> <b>Fee: N/A</b>
Pre-requisite: <i>Completion of Firefighting I and Fire Science I</i>		
Fire Science II provides students with advanced instruction and opportunities to demonstrate fire-fighting techniques. Topics include forcible entry; tactical ventilation; fire control; loss control; fire origin and causes; firefighter survival; hazards, behavior, and identification of hazardous materials and weapons of mass destruction; and hazardous material operations, product control and personal protective equipment. Students who successfully complete Fire Science I and II and pass the certification tests will earn 160 of the 360 hours required to complete Alabama Fire College Firefighter I and II certifications.		

***Please note that although we try to incorporate as many courses as we can in this guide, there may be other courses that are offered in certain circumstances and situations that are not contained in this guide.***