



2025 - 2026

# Madison City Schools

## High School Curriculum Catalog

Dr. Ed Nichols, Superintendent



# Madison City Schools

## Curriculum Catalog 2025 - 2026

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# Madison City Schools

**Vision:**

Empowering all students for global success.

**Mission:**

The mission of the Madison City School district is to create a safe, supportive, and equitable school environment where all students are inspired to meet their fullest potential academically, emotionally, and socially.

**PROCESS OF SCHEDULING**

The Semester Block Schedule is based on four approximately ninety-six minute classes per day. A student will take four courses in the fall and four different courses in the spring. In addition, students will have the opportunity to take courses outside of the traditional school day. Madison City also provides students with the opportunity to take additional classes through our Virtual Academy.

Generally students are scheduled for courses so that at least two academic required core courses are taken each semester. Additional electives or additional core courses may complete the remaining blocks in the schedule each semester. Teachers will begin teaching on the first day; therefore, it is extremely important for students to come prepared for class on the first day of each semester. Students will have fewer courses at a time but should be prepared to concentrate more on the courses and use time wisely. Students planning to apply to select colleges may want to incorporate more than two core subjects each semester. Please see the College & Career Advisor if you have questions.

After you have studied the requirements for your graduating class, the curriculum, and course descriptions, you will be ready to make decisions for your individual class schedule. At the end of this catalog, you will find Course Request Forms by **Cohort Group** for your upcoming year at Bob Jones or James Clemens. As you will see in the curriculum selections, courses are nine or eighteen weeks long. As you practice filling in the blocks to establish your schedule, keep in mind the length of time for each course. How you fill in the blocks and register for classes does not guarantee that you will have those classes at any specific time, only that you will have the class or an alternate selection. Be sure that you have requested 8 full credits of study and all alternative courses.

# Scheduling Definitions

**Graduation Cohort** - The student's graduation year.

**Block Schedule** - Schedule based on approximately four ninety-six minute class periods per day.

**Credit** - A unit of academic work(Carnegie Unit) requiring 140 hours of instruction.

**Fall Semester** - The first and second nine-week terms of the school year (18 weeks). Students will take and can earn four credits.

**Spring Semester** - The third and fourth nine-week terms of the school year (18 weeks). Students will take four new courses beginning in January and can earn four credits.

**Course** - A unit of instruction.

**Core Courses** - Those courses required for graduation as identified by the Alabama Administrative Code. (English, Math, Science & Social Science)

**Corequisite** - A course of study required to be taken simultaneously with another.

**Prerequisite** - A course of study that must be "passed" to move forward in a sequence of courses.

**Teacher Approval** - Approval required when there is a definite screening process (i.e. audition or application).

**Online Course** - Online learning, sometimes referred to as e-learning, is a form of distance education. Online courses are delivered over the Internet and can be accessed from a computer with a Web browser (ex. Google, Firefox, etc).

## Course Selection

Complete your registration form and obtain any necessary signatures. This form will be kept in your student portfolio for future reference during your time as a student in Madison City Schools. Students planning to attend college are encouraged to contact several colleges in which they are interested to determine the academic requirements for admission. This should be done early and reviewed each year.

## Points of Academic Interest

Curriculum consists of core courses which are required in order to move forward to advanced academic studies or additional electives. Elective courses offered in each department allow students' enrollment into courses that are interesting to them. A good background can be achieved for each student, whether they plan to enroll in a two or four year college or enter the workforce following graduation.

## Advanced Placement (AP)

Advanced Placement courses are accelerated in rigor and pace. Advanced Placement (AP) allows students to complete college level studies while in high school.

# Points of Academic Interest

## The VALUE of Advanced Placement

- More than 90% of four-year institutions in the United States grant credit, advanced placement, or both on the basis of qualifying AP exam scores. For more information visit the following website: [www.collegeboard.com/ap/creditpolicy](http://www.collegeboard.com/ap/creditpolicy).
- AP course experience favorably impacts 85% of admission decisions of selective colleges and universities.
- AP coursework increases scholarship opportunity and improves chances of college admission.
- The cost of the AP exam is less than most college textbooks.
- Students who take AP courses and exams are much more likely than their peers to complete a college degree on schedule in 4 years. (An additional year can cost your family on average between \$18,000 - \$29,000). For more information visit [www.collegeboard.com/research](http://www.collegeboard.com/research)
- AP prepares students majoring in engineering, biochemistry and other STEAM (science, technology, engineering, art and mathematics) majors in college.
- AP students perform better in their intermediate-level STEM coursework than students with the same SAT score who had taken the college's own introductory course.

**“One of the best standard predictors of academic success at Harvard is performance on Advanced Placement Examinations.”** - William Fitzsimmons, Dean of Admissions & Financial Aid, Harvard University

Students participating in Advanced Placement are required to take the National AP Exam as part of the courses' curriculum. This testing fee (approx. \$98) may be reduced or waived based solely upon the guidelines articulated by the Alabama State Department of Education for free/reduced lunches. Therefore, no student will be denied participation in the AP Program due to financial hardship. It is highly recommended that students consult with college(s) of choice, as college credit may be earned by scoring a 3, 4, or 5 on the exam. **Careful attention should be given when selecting an AP course or courses as students will not be allowed to drop an AP course.** Consult the grading scale to view the weight given to rigor of the AP program. All students who register for an AP class should complete the required agreement (included in the back of the curriculum catalog) and return with the registration form.

## Honors/PreAP

Honors courses are designed for the college-bound student. The curriculum is covered at an accelerated pace and provides students the opportunity to take advanced-level courses in English, world languages, math, and science. These courses follow the Alabama Course of Study and include enrichment activities, extra projects, research, and/or laboratory experiences. Honors and PreAP courses are noted in the course descriptions and receive Honors weighted credit per the current grading scale. Careful attention should be made when selecting an honors course. **Students will not be allowed to drop Honors/PreAP courses.** Consult the grading scale to view the weight given to rigor of the Honors/PreAP/AP program.

## ACCESS Virtual Learning Program

Madison City participates in ACCESS (Alabama Connecting Classrooms Educators and Students Statewide) Virtual Learning, a program sponsored by the Alabama Department of Education. ACCESS is available to all public school students in grades 7 – 12 and provides students the opportunity to take coursework that may not be available at their school or to allow for more flexible scheduling. All courses are high quality, follow Alabama Course of Study Standards and are taught by Alabama certified teachers. Flexibility of the ACCESS program allows students to complete their coursework any place where reliable computer and internet service is available. Students may work any time, any place and at any pace. Students must complete Unit/Module tests, midterms, and finals at school under direct supervision of an ACCESS trained facilitator. All coursework needed to meet graduation requirements are provided through ACCESS. For further information, you may visit the ACCESS website and select “Courses” to view courses currently available. This list may change before the beginning of next school year. All requests for ACCESS courses must be made through your school counselor. School administrators determine whether or not it is appropriate to register students for any course and will be responsible for handling the registration process.

# Procedures Related to Grades and Credits

## Deficiencies

Only deficiencies will be reason for a schedule change. Once classes are balanced and sections are established, it is most difficult to make a change without affecting the overall balance of teachers and class counts. For students who are not successful during the regular school year and must repeat a class, summer school is suggested. You may also have the option to participate in credit recovery.

## Schedule "Changes" vs. Schedule "Corrections"

To provide the greatest probability for students to receive requested courses, a two week window was provided and then deadline given to make schedule "changes". From there the master schedule was constructed and even teachers hired to best ensure that what was requested would be received. Knowing that not every course request can be honored due to conflicts in the student's schedule, the above procedure does provide the greatest potential for requests to be honored. **Therefore, at this time only schedule "corrections" will be made and only when approved by administration under the following criteria: duplication of courses, courses are out of sequence, or Sports PE/Band to be entered due to auditions.**

## Partial Completion

Students will only earn credit for the total duration of a course. No credit will be given for partial completion.

## Transfer Students

Students who transfer to Madison City Schools must complete all state mandated minimum graduation requirements and any additional local graduation requirements. For mid-year or mid-semester transfer students from non-block scheduled high schools, credits earned or coursework completed shall be correlated to the block-scheduled courses.

## Transfer Grades

Letter grades transferred from previous schools will be placed on Madison City Schools' Grade Point Average(GPA) scale using the following guide:

- Give weight to incoming Advanced Placement (or International Baccalaureate), and Dual Enrollment courses based upon the MCS weighted grading scale.
- Give weight to Honors/PreAP courses that are recognized as such by Madison City Schools and/or Honors/PreAP courses that are recognized on the transcript of the previous school.
- Give MCS weight to Advanced Placement (or International Baccalaureate) courses even if the previous school did not weight AP since AP is a nationally standardized curriculum.

## Early Completion

Students may complete required coursework early from Madison City Schools by meeting all requirements for an Alabama High School Diploma as described in the Alabama Administrative Code 290-030-010-.6 (11) and meeting the requirements of School Board Policy File: IHFB. Graduation is official and diploma awarded at the end of the regular school year. See a counselor for details.

## Graduation Participation

In order to participate in graduation ceremonies, a student must have met the requirements for a diploma or certificate from Madison City Schools. See graduation requirements by Graduation Cohort year to review necessary coursework and diploma/endorsement options for your graduating class.

## Selection for Valedictorian and Salutatorian

The Valedictorian and Salutatorian are selected according to grade point average (GPA) rank at the end of the senior year. To be eligible for Valedictorian and Salutatorian, a student must enroll prior to the end of the Madison City School's first 9 week term of his/her senior year.

## NCAA Requirements for College Athletes

Not all courses offered at Madison City Schools meet the NCAA eligibility requirements. It is the student's responsibility to review the requirements, schedule classes accordingly, and make sure the NCAA Initial-Eligibility Clearinghouse has the documents to certify eligibility. Courses taken through the Credit Recovery program are not accepted by the NCAA Eligibility Center. See Table of Contents for location of additional information.

Grading Scale

A: 100 - 90	B: 89 - 80	C: 79-70	D: 69 - 65	F: 64 - 0
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Grade Point Average (GPA) Scale

Students electing to participate in rigorous academic courses such as Honors/PreAP, Advanced Placement are given additional weight. The weighted Grade Point Average (GPA) will be recorded on the student’s report card, high school official transcript, and included in the student’s overall GPA calculation. **Students who enroll in Dual Enrollment courses are responsible for verifying the high school credit and applicable GPA calculation that will be received for the course from Madison City Schools.** AP weight will be considered if the DE courses are determined to have the rigor of AP courses, and students have exhausted the MCS AP offerings in that discipline. Before enrolling in a Dual Enrollment course, students are responsible for verifying the high school credit and applicable GPA calculation that will be received for the course from Madison City Schools. Requests for approval of new DE courses must be submitted by September 1 for consideration in the following school year’s curriculum catalog.

Credit bearing courses shall be awarded according to the following scales:

	Regular	Honors/Pre AP	AP
A	4	5	6
B	3	4	5
C	2	3	4
D	1	2	3
F	0	0	0

All board policies are located on the Madison City website at <https://www.madisoncity.k12.al.us/Page/2122> under Policies.

# Graduation Requirements - Option A - Traditional

Subject	Requirements	Credits
English Language Arts	English 9, 10, 11, and 12 or any CTE/AP/IP equivalent courses.	4
Mathematics	<p>Geometry with Data Analysis</p> <p>Algebra I with Probability (unless 7th and 8th accelerated were taken)</p> <p>Algebra II with Statistics</p> <p>Additional course(s) to complete the four credits in mathematics must be chosen from the Alabama Course of Study: Mathematics or CTE/AP/IB equivalent courses</p>	4
Science	Biology and a Physical Science (i.e. Physical Science, Chemistry, Physics). Additional course(s) to complete the third and fourth science credits must be chosen from the Alabama Course of Study: Science or CTE/AP/IB equivalent courses	4
Social Science	World History, US History I, US History II, and Government/Economics or AP/IB equivalent courses	4
Physical Education	Beginning Kinesiology (PE)	1
Health Education	Health Education or Foundations of Health Science	0.5 1.0
Career Preparedness	Career Preparedness Course (to include topics of Career and Academic Planning, Computer Applications, Financial Literacy) or Career Preparedness A and B	1 0.5 + 0.5
CTE and/or World Language and/or Arts Education	Students choosing CTE, Arts education and/or World Language are encouraged to complete two courses in sequence.	3
Elective	Additional courses to be completed for the remaining 4.5 credits should be selected from the various elective and core offerings	4.5
Additional Graduation Requirements	<ul style="list-style-type: none"> <li>Civics Exam (taken during Government)</li> <li>Financial Literacy Exam (taken during Career Prep)</li> <li>College &amp; Career Ready (see page 10 for requirements)</li> </ul>	
	Total Credits Required for Graduation	26



# Graduation Requirements Option B - Workforce Pathway

Subject	Requirements	Credits
English Language Arts	English 9, 10, 11, and 12 or any CTE/AP/IP equivalent courses.	4
Mathematics	Geometry with Data Analysis Algebra I with Probability (unless 7th and 8th accelerated were taken) OR Algebra II with Statistics (if 7th and 8th accelerated were taken)	2
Science	Biology and a Physical Science (i.e. Physical Science, Chemistry, Physics).	2
Social Studies	World History, US History I, US History II, and Government/Economics or AP/IB equivalent courses	4
Physical Education	Beginning Kinesiology (formerly LIFE PE)	1
Health Education	Health Education or Foundations of Health Science	0.5 1.0
Career Preparedness	Career Preparedness Course (to include topics of Career and Academic Planning, Computer Applications, Financial Literacy) or Career Preparedness A and B	1 0.5 + 0.5
CTE	3 courses in an Approved Program of Study	3
Electives	Additional courses to be completed for the remaining 8.5 credits should be selected from the various elective and core offerings	8.5
Additional Graduation Requirements	<ul style="list-style-type: none"> <li>Civics Exam (taken during Government)</li> <li>Financial Literacy Exam (taken during Career Prep)</li> <li>College &amp; Career Ready (see page 10 for requirements)</li> </ul>	
**This diploma option may not meet the requirements of colleges and universities or NCAA.**	Total Credits Required for Graduation	26

# College and Career Readiness Graduation Requirement

<p>CCR Requirement Cohort 2026 and beyond</p>	<p>On <a href="#">November 10, 2022</a>, the Alabama State Board of Education amended the Alabama Administrative Code, Rule No. 290-3-1.02, which added a College and Career Readiness Indicator to the Alabama High School Graduation Requirements. Beginning with the 2026 cohort, students are required to earn College and Career Readiness (CCR) status in order to graduate. CCR can be earned through one of the nine options listed below. (Students are only required to earn CCR through one of the options listed.) Visit the <a href="#">MCS website</a> for additional details on <a href="#">College and Career Readiness</a>.</p> <ul style="list-style-type: none"><li>• Earn a benchmark score in any subject area on the ACT College Entrance Exam.</li><li>• Earn a qualifying score of three or higher on an Advanced Placement Exam.</li><li>• Earn a qualifying score of four or higher on an International Baccalaureate Exam.</li><li>• Earn college credit while in high school.</li><li>• Earn a silver or gold level on the ACT WorkKeys Exam.</li><li>• Complete an in-school youth apprenticeship program.</li><li>• Earn a career tech industry credential listed on the compendium of valuable credentials of the Alabama Committee on Credentialing and Career Pathways.</li><li>• Military enlistment.</li><li>• Attain Career and Technical Education (CTE) completer status.</li></ul>	
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# Alabama High School Diploma

## Substitute Courses for Students with Disabilities

Areas of Study	Requirements	Credit
English Language Arts	English 9, 10, 11, and 12 or any AP or postsecondary equivalent option of these courses <u>or</u> * English Essentials 9, 10, 11 and 12 <u>or</u> **AAS English 9, 10, 11, and 12.	4
Math	Essentials Geometry with Data Analysis Essentials Algebra I with Probability Essentials Algebra II with Statistics <u>AND</u> Essentials Algebra with Finance <u>OR</u> Essentials Mathematical Modeling	4
Science	Biology and a Physical Science The third and fourth science credits may be used to meet both the science and the CTE requirement and must be chosen from the Alabama Course of Study: Science or CTE/AP equivalent courses. <u>or</u> *Life Skills Science I, II, III and IV <u>or</u> **AAS Science 9, 10, 11, and 12	4
Social Studies	World History, US History I, US History II, and Government/Economics or AP/Dual Enrollment equivalent courses. <u>or</u> *World History for Living, US History for Living 10, US History for Living 11, and Economics for Living/US Government for Living <u>or</u> **AAS Social Studies 9, 10, 11 and 12	4
Physical Education	Beginning Kinesiology (PE)	1
Health Education	Alabama Course of Study: Health Education <u>or</u> **AAS Pre-Vocational, AAS Vocational, AAS Community Based Instruction, and/or AAS Elective Course	0.5
CTE and/or World Languages and/or Arts Education	Students choosing CTE, World Languages, and/or Arts Education are encouraged to complete two courses in sequence. <u>or</u> *two CTE courses and Workforce Essentials <u>or</u> **AAS Life Skills	3
Electives	*Students earning core credit through the Essentials/Life Skills courses are required to take Cooperative Education Seminar/Work-Based Experience. **AAS Pre-Vocational, AAS Vocational, AAS Community Based Instruction, and/or AAS Elective Course.	2.5
	<b>Total Credits Required for Graduation</b>	<b>24</b>

# Diploma Endorsements

Diploma	Requirements
Alabama State Diploma	See page 9 for requirements
Alabama State Diploma <ul style="list-style-type: none"> <li>with Madison City Advanced Academics Endorsement</li> </ul>	<ul style="list-style-type: none"> <li>2 World Language Credits of the Same Language</li> <li>Algebra II with Statistics</li> <li>1 Advanced Placement Credit</li> </ul>
Alabama State Diploma <ul style="list-style-type: none"> <li>with Madison City Seal of Academic Distinction</li> </ul>	<ul style="list-style-type: none"> <li>2 World Language Credits of the Same Language</li> <li>Algebra II with Statistics</li> <li>3 Advanced Placement Credits</li> </ul>

## Seal of Biliteracy

Requirements
<ul style="list-style-type: none"> <li>Successful completion of all graduation requirements</li> <li>Proof of English Proficiency as demonstrated by one (1) of the following options (please note the last two options are only available to non-native speakers) <ul style="list-style-type: none"> <li>ACT English: Score of 18 or higher</li> <li>ACT Reading: Score of 20 or higher</li> <li>AP Language and Composition Exam: Score of three (3) or higher</li> <li>IB Examination: Score of five (5) or higher</li> </ul> </li> <li>WIDA ACCESS 2.0: For non-native English speakers, the student must meet and maintain Alabama exit criteria in English Proficiency. A composite score of Level 4.8 or higher</li> <li>American Council of Teacher of Foreign Language Assessment of Performance toward Proficiency in Languages. For non-native English speakers, an intermediate Mid-3 or higher score in English</li> <li>Proof of World Language proficiency via a benchmark score on an <a href="#">approved state assessment (see document linked here)</a>.</li> <li>Complete application and submit application fee*</li> <li>*All students are encouraged to apply regardless of financial ability.</li> </ul>

# Frequently Asked Questions

## **How are grades reported?**

PowerSchool Parent Portal, Progress Reports and Report Cards

## **Is there a specific supply list?**

The individual teacher will provide a list of materials needed in addition to the routine school supplies on the first day of class.

## **What classes are typically offered in Summer School?**

Summer School is mainly for credit recovery and not credit advancement; however, US Government and Economics online, Health online, Career Prep A and B online, as well as Driver's Ed are also offered. Registration for Summer School will be posted on the individual school website.

## **How do I know which courses are considered a Physical Science?**

Physical Science, Chemistry, and Physics all meet the state requirement.

## **What courses meet the Health graduation requirement?**

Health and Foundations of Health Science both meet the state requirement.

## **What courses meet the Physical Education graduation requirement?**

Beginning Kinesiology, Athletic PE, Color Guard, Marching Band, Percussion Marching Band, Percussion Indoor Drum Line, and both Army and Air Force JROTC courses all satisfy the Physical Education state requirement.

## **What is AVID?**

AVID, which stands for Advancement Via Individual Determination, is a college-readiness program that places a strong emphasis on growing writing, critical thinking, teamwork, organization, and reading skills – all skills needed to prepare students for academic success.

## **How can I learn more about AVID?**

If parents or student have any additional questions about the AVID program, they should reach out to their school counselor or school administrator.

## **What is the difference between the Biomedical program and the Health Science program?**

Both are the same in that through the completion of the courses, a student will have one regular weighted credit and three honors weighted credits. Also, both are high interest programs and both provide wonderful experiences for students interested in any health related field. However, the biomed program consists of four tiered classes that may be entered in either the 9th or 10th grade years and include research, diagnostics, medicine as a science, and treatment options. Health Science may be entered as late as the junior or senior year and is focused more on patient care in diagnosis and treatment.

## **What Advanced Placement courses are appropriate for 9th and 10th grade students?**

AP World History, AP Human Geography, AP Psychology, and AP Computer Science are now offered at the 9th grade level for students who want to begin AP coursework. AP World History, AP US History, AP Human Geography, AP European History, AP Psychology, and AP Computer Science and AP Chemistry are appropriate course for students at the 10th grade level.

## **How do I know if I could be successful in an Advanced Placement course?**

While we may use student data to identify and inform students of academic areas for which they have demonstrated the ability to be successful in advanced coursework, any student who has a passion for the content, good study habits, and a strong personal work ethic should consider an Advanced Placement course.

## **Do I have to take all Advanced Placement courses?**

We encourage a student to push themselves to the highest academic rigor possible. It is recommended for students going to college to take at least one AP course in their area of academic strength, personal interest and/or relevance to a planned career path. AP courses mirror the rigor of college level classes.

### **What is AP Capstone?**

AP Capstone is a diploma program developed by Advanced Placement that is based on two AP courses: AP Seminar and AP Research. These courses are designed to complement other AP courses that the AP Capstone student may take. Instead of teaching specific subject knowledge, AP Seminar and AP Research use an interdisciplinary approach to develop the critical thinking, research, collaboration, time management, and presentation skills students need for college-level work.

### **What is the AP Capstone Diploma and how do students earn the AP Capstone Diploma? What is the difference between the AP Capstone Diploma and the AP Seminar and Research Certificate?**

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams receive the AP Research and Seminar Certificate. Students who earn these awards can view and print their diploma or certificate online. The award is also acknowledged on an AP score report that is sent to colleges after the award has been conferred.

### **Do I have to take Honors/PreAP or AP courses in order to earn an Alabama High School Diploma?**

Students can meet the requirements of an Alabama High School Diploma without taking Honors/PreAP or AP courses.

### **What is the difference between regular and Honors/PreAP?**

Both regular and Honors/PreAP courses will use the Alabama College and Career Ready grade level standards. Honors/PreAP courses have additional rigor. The same textbook will be used, yet different readings and materials may supplement courses.

### **May students receive credit toward graduation for courses in the 8th grade?**

Yes. Students may bring up to one credit of a World Language, and 0.5 credit of Career Prep A to the 9th grade (high school) transcript.

### **What is the Seal of Biliteracy?**

The Seal of Biliteracy is an acknowledgement of a student's proficiency in both the social (speaking and listening) and academic (reading and writing) uses of language. The Seal of Biliteracy is awarded to graduating seniors who prove proficiency in English and one or more language(s). Developing a student's readiness for college and career opportunities and modeling global citizenship are just two of the benefits of this achievement. Students may contact their World Language instructor for additional information.

### **What determines my grade level?**

Grade level assignment at the senior high level is determined by the number of years a student has attended at any senior high school. For example, a student in his/her second year of high school will be labeled as a sophomore.

Students who have not met the requirements for graduation at the end of their fourth year in high school (senior year) will continue to be labeled as seniors in subsequent school years until graduation requirements are obtained or the students are no longer enrolled.

### **Why is it so difficult to change my class schedule? What's the big deal?**

Administrators and counselors spend an incredible amount of time building class schedules that reflect the students' goals and interests, fairly distributing students among similar classes, and placing courses at times in the day when the most students can take requested classes. Once classes are balanced and sections are established, it is most difficult to make a change without affecting the overall balance of teachers and class counts. Teachers are hired and textbooks are purchased based on the course enrollment as projected in the spring thereby limiting availability of classes and textbooks.

### **What happens if I fail a class?**

For students who are not successful during the regular school year and must repeat a class, summer school may be a necessity. You may also have the option of participation in credit recovery or re-enroll the following semester.

# Course Descriptions



# The Academies of Career Technology Education

Course Number	Course Name	Credit	Fee
<b>CAREER PREPAREDNESS</b>			
22153G1000	Career Preparedness	1.0	
22153G0512	Career Preparedness A	0.5	
22153G0522	Career Preparedness B	0.5	
<b>MEDICAL ACADEMY</b>			
<b>Biomedical Science (PLTW four course sequence)</b>			
14252G1002	Principles of the Biomedical Sciences - PLTW	1.0	\$30
14299G1002	Human Body Systems - PLTW Honors	1.0	\$30
14299G1003	Medical Interventions - PLTW Honors	1.0	\$30
14255G1000	Biomedical Innovations - PLTW Honors	2.0	\$70
1499G1000	Medical Academy Seminar Honors	1.0	
<b>Health Science (three course sequence*)</b>			
14002G1001	Foundations of Health Science*	1.0	\$30
14299G1001	Human Body Structures & Functions Honors*	1.0	\$20
14298G2000	Health Science Internship* 2 blocks/Honors	2.0	\$70
14999G1000	Medical Academy Seminar Honors	1.0	
14152G1000	Introduction to Pharmacy Honors	1.0	\$20
<b>Emergency Medical Technician</b>			
	Emergency Medical Technician (Dual Enrollment)	1.0	TBD
<b>ENGINEERING ACADEMY</b>			
<b>Project Lead the Way (three course sequence*)</b>			
21017G1000	Introduction to Engineering Design*	1.0	\$20
21018G1000	Principles of Engineering Honors*	1.0	\$20
21019G1000	Aerospace Engineering Honors JCHS	1.0	\$20
21023G1000	Digital Electronics Honors JCHS	1.0	\$20



ENGINEERING ACADEMY (CON'T)			
21021G1000	Civil Engineering and Architecture Honors BJHS	1.0	\$20
21047G1001	Engineering Internship: Research and Design	2.0	\$20
21022G1000	Computer Integrated Manufacturing - PLTW Honors BJHS	1.0	\$20
21998G1000	Advanced Manufacturing and Machining	1.0	
BUSINESS ACADEMY			
Business Information Technology			
1005G1001	Business Software Applications I	1.0	\$20
1005G1002	Business Software Applications II	1.0	\$20
11153G1001	Digital Media Design(BJHS)	1.0	\$20
11153G1002	Digital Publications Design (BJHS)	1.0	\$20
12047G1001	Career Pathway Project - Business, Management & Admin.	1.0	\$20
12047G1002	Creating Entrepreneurial Opportunities (CEO) Honors	2.0	
Marketing Sales and Services			
1005G1001	Business Software Applications I	1.0	\$20
12164G1001	Marketing Principles	1.0	\$20
12663G1003	Sports and Entertainment Marketing	1.0	\$20
12197G1001	Career Pathway Project - Marketing Sales and Service	1.0	
FINANCE ACADEMY - ACCOUNTING			
12002G1001	Business Software Applications	1.0	\$20
12104G1012	Accounting	1.0	
19262G1001	Personal Finance	1.0	
12147G1002	CTE Lab Finance - RFCU School Branch I	1.0	
12147G1003	Career Pathway Project - Finance	1.0	
ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS ACADEMY			
11153G1010	Media Production Foundations (replacing Intro to TV Production)	1.0	\$20
11062G1020	Film Production I (replacing JetsPress I)	1.0	\$20
11051G1021	Film Production II (replacing Jets Press II)	1.0	\$20
11051G1012	Broadcasting I (replacing Studio Operations)	1.0	\$20

ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS ACADEMY (CON'T)			
11051G1013	Broadcasting II (replacing Studio Operations)	1.0	\$20
11994G1001	CTE Lab (Internship I)	1.0	\$20
11994G1005	Career Pathway Project - Arts, A/V Tech & Comm. (Internship II)	1.0	\$20
HUMAN SERVICES ACADEMY			
Clothing, Textiles & Interior Design			
19251G1000	Family and Consumer Science	1.0	\$20
19256G1001	Fashion Fundamentals (replacing Fashion)	1.0	\$30
12161G1001	Retail and Fashion Marketing (replacing Fashion Design)	1.0	\$30
19256G1015	Fashion Merchandising (replacing Retail and Fashion Marketing)	1.0	\$30
19297G1000	Career Pathway Project - Fashion	1.0	
Family Studies and Community Services			
19251G1000	Family and Consumer Science	1.0	\$20
19253G1002	Nutrition and Food	1.0	\$35
19262G1032	Family Financial Planning	1.0	
19297G1000	Career Pathway Project - Family and Consumer Science	1.0	
Educators In Training			
19151G1001	Foundations in Education (replacing Education and Training)	1.0	\$15
19152G1001	Practices in Education (replacing Teaching I)	1.0	\$20
19152G1002	Methods in Education (replacing Teaching II)	1.0	\$20
19198G1000	Education and Training Internship	2.0	\$20
Hospitality and Tourism			
16001G1000	Introduction to Hospitality & Tourism	1.0	\$60
16053G1012	Culinary Arts I (BJHS)	1.0	\$70
06053G1022	Culinary Arts II (BJHS)	1.0	\$70
16056G1000	Baking & Pastry Arts (BJHS)	1.0	\$70
16097G1001	Career Pathway Project - Culinary Arts (BJHS)	1.0	

INFORMATION TECHNOLOGY			
<b>Computer Science</b>			
10152G1001	Programming Foundations	1.0	\$20
10152G1003	Object Oriented Programming I	1.0	\$20
10157E1000	AP Computer Science A	1.0	\$20 + AP Exam Fee
10019E1000	AP Computer Science Principles	1.0	AP Exam Fee
10997G1010	Career Pathway Project - Information Technology	1.0	\$10
<b>Cybersecurity and Infrastructure</b>			
10001G1000	IT Fundamentals	1.0	\$20
10020G1011	AP Cybersecurity I (replacing Network Fundamentals)	1.0	\$20
10020G1012	AP Cybersecurity II (replacing Cybersecurity I)	1.0	\$20
10020G1013	Cybersecurity III Honors	1.0	\$20
10997G1010	Career Pathway Project - Cybersecurity	1.0	\$10
CONSTRUCTION TECHNOLOGY PROGRAM			
<b>Building Science</b>			
17002G1002	Architectural and Construction Foundations	1.0	\$30
17002G1011	Construction Foundation Layout	1.0	\$30
17013G1001	Carpentry: Commercial Framing and Layout	1.0	\$30
17011G1001	Construction Finishing	1.0	\$30
18056G1001	Landscape Design and Management	1.0	\$30
13207G1014	Welding I	1.0	
17047G1001	Career Pathway Project: Architecture and Construction	1.0	
ADDITIVE MANUFACTURING PROGRAM			
13001G1000	Introduction to Manufacturing	1.0	\$20
21107G1012	3-D Solid Modeling 1	1.0	\$20
AIR FORCE JUNIOR ROTC - BJHS			
09151G1000	AFJORTC: Leadership and Aviation History Part I	1.0	\$25
09002G0501	AFJROTC: Leadership and Aviation History – Part II	1.0	\$25

AIRFORCE JUNIOR ROTC - BJHS (CON'T)			
09002G1001	AFJROTC: Leadership and Cultural Studies – Part I	1.0	\$25
09151G0500	AFJROTC: Leadership and Cultural Studies – Part II	1.0	\$25
09154G1000	AFJROTC: Leadership and Science of Flight – Part I	1.0	\$25
09152G0500	AFJROTC: Leadership and Science of Flight – Part II	1.0	\$25
09153G1000	AFJROTC: Leadership and Exploration of Space	1.0	\$25
09154G1000	AFJROTC: Leadership and Management of the Cadet Corps	1.0	\$25
09002G1002	AFJROTC: Leadership and Survival	1.0	\$25
09990G1005	Drill & Ceremonies Leadership App	1.0	\$35
ARMY JUNIOR ROTC - JCHS			
09051G1001	Army JROTC Leadership Education and Training I (LET I)	1.0	\$25
09052G1001	Army JROTC Leadership and Training II (LET II)	1.0	\$25
09053G1001	Army JROTC Leadership and Training III (LET III)	1.0	\$25
09054G1001	Army JROTC Leadership and Training IV (LET IV)	1.0	\$25
09990G1005	Drill & Ceremony	1.0	\$35
Cooperative Education (Co-op)			
22998G1014	Cooperative Education (Co-op)	1.0	\$20

## Career Preparedness

### Career Preparedness

**18 weeks/1 credit**

A full 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, computer skills application, and financial literacy. The required 20-hour online experience can be met by successful completion of this course.

### Career Preparedness A

**9 weeks/0.5 credit**

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 computer skill application. This course is a prerequisite to Career Preparedness-B. The required 20-hour online experience can be met by successfully completing both Career Preparedness A and Career Preparedness B.

### Career Preparedness B

**9 weeks/0.5 credit**

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 prerequisite 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.

# Medical Academy

**BIOMEDICAL SCIENCE** - A four course sequence\*

## **Principles of the Biomedical Sciences\***

**18 weeks/1 credit**

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

## **Human Body Systems\***

**18 weeks/1 credit**

**Prerequisite: Principles of the Biomedical Sciences, Chemistry**

### **Honors Credit Awarded**

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. This course may count as a science core credit.

## **Medical Interventions\* 18 weeks/1 credit**

**Prerequisite: Human Body Systems**

### **Honors Credit Awarded**

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

## **Biomedical Innovations\***

**18 weeks/2 credits/ double block**

**Prerequisite: Medical Interventions**

### **Honors Credit Awarded**

In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution. As a part of the course students complete a clinical internship at local health care facilities which provides students with the knowledge and skills necessary for becoming a health care worker, or assisting with research in a laboratory setting or for preparing students for postsecondary health care education programs. Throughout the course, students are expected to present their work to an audience of professionals. Recommendation: C average in Biomedical Science course sequence. Due to increasing student interest and a specific number of clinical placements, an application process will occur. The application process is skills-based, but discipline, attendance, and teacher recommendations will also be considered. \*Some clinical sites require students to have a background check. Therefore, all students should be prepared to have a background check completed and pay the fee associated with the background check. Students may see their teacher(s) for more information on having the background check completed.

## **Medical Academy Seminar**

**18 weeks/1 credit**

**Prerequisite: Human Body Systems and Principles of Biomedical Sciences**

### **Honors Credit Awarded**

This is hands-on lab will allow students time to practice and demonstrate mastery of medical skills that will prepare them for immediate work in a healthcare field or entrance into a health related post-secondary program. During this lab course, students will also have the opportunity to gain valuable knowledge and become certified through the National Healthcare Association as a Certified Patient Care Technician (CPCT), Certified EKG Technician (CET), or Certified Clinical Medical Assistant (CCMA).

## **HEALTH SCIENCE** - A three course sequence\*

### **Foundations of Health Science\***

**18 weeks/1 credit**

Foundations of Health Science introduces students to a wide range of health careers. Integrated academics combined with health care knowledge and skills provide the framework for a strong healthcare delivery system in the twenty-first century. This course is a prerequisite for Health Science Internship and the Emergency Medical Technician (EMT) course. It is recommended for all students who want to prepare for further study in an array of health-related fields at the postsecondary level. This course is a substitute for the state required health credit. It is recommended that students take this class their sophomore or junior year if planning to take senior Health Science Internship.

### **Human Body Structures and Functions (Human Anatomy & Physiology)\***

**18 weeks/1 credit**

**Prerequisite: Biology or concurrent Chemistry**

**Honors Credit Awarded**

Prepares students for biomedical, nursing, and other health-related careers, and is a prerequisite for Health Science Internship: organized to follow a logical sequence of the eleven systems of the human body with emphasis on diseases and disorders. Laboratory dissection includes anatomical study of a mammal. This course may count as a science core credit.

### **Health Science Internship\* (12th grade)**

**18 weeks/2 credits double-block**

**Prerequisites: Foundations of Health Science and Human Body Structures and Functions (Human A&P)**

**Honors Credit Awarded**

Health Science Internship provides students with the knowledge and skills necessary for becoming a health care worker or for preparing students for postsecondary health care educational programs. Theory and laboratory components comprise at least ten percent of the course. Health Science Internship is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imaging center, laboratory, or other health care facilities. Due to increasing student interest and a specific number of clinical placements, an application process will occur. The application process is skills- based, but discipline, attendance, and teacher recommendations will also be considered.

\*Some clinical sites require students to have a background check. Therefore, all students should be prepared to have a background check completed and pay the fee associated with the background check. Students may see their teacher(s) for more information on having the background check completed.

### **Introduction to Pharmacy**

**18 weeks/1 credit**

**Prerequisites: Foundations of Health Science and Human Body Structures and Functions (Human A&P) OR Principles of Biomedical Sciences and Human Body Systems**

**Honors Credit Awarded**

A one-credit course that introduces students to the pharmaceutical profession. The course covers content related to the history of medicine, mathematics, technology, legal issues, and technical skills. Upon completion of this course, students will be eligible to take the national pharmacy technician exam; a high school diploma is required to sit for this exam. Students are responsible for the cost of the certification exam.

### **Medical Academy Seminar**

**18 weeks/1 credit**

**Prerequisite: Foundations of Health Science and Human Body Structures & Functions**

**Honors Credit Awarded**

This is hands-on lab will allow students time to practice and demonstrate mastery of medical skills that will prepare them for immediate work in a healthcare field or entrance into a health related post-secondary program. During this lab course, students will also have the opportunity to gain valuable knowledge and become certified through the National Healthcare Association as a Certified Patient Care Technician (CPCT), Certified EKG Technician (CET), or Certified Clinical Medical Assistant (CCMA).

# Engineering

**PROJECT LEAD THE WAY** –A three course sequence (IED, POE, and Internship) with optional specialization classes (Aerospace, Civil/Architecture, Computer Integrated Manufacturing, Digital Electronics).\*

## **Introduction to Engineering Design\* (IED)**

**18 weeks/1 credit**

**Prerequisite:** Geometry with Data Analysis

**Corequisite:** Algebra I with Probability

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 3D modeling software to help them design solutions to solve proposed problems, analyze engineering data, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

## **Principles of Engineering\* (POE)**

**18 weeks/1 credit**

**Prerequisite:** Introduction to Engineering Design

**Corequisite:** Algebra II with Statistics

**Honors Credit Awarded**

Designed for 10th or 11th grade students, this survey course exposes students to major concepts they'll encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate effectively.



## **Aerospace Engineering**

**18 weeks/1 credit**

**Prerequisite:** Principles of Engineering

**Honors Credit Awarded**

In a one-credit course, Aerospace Engineering students explore fundamentals of flight in air and space through software simulations and hands-on experiences. Students explore the physics of flight, aircraft control and navigation, airfoil design, gas turbine propulsion, rocket propulsion, remotely operated vehicles, human factors in spaceflight, and orbital mechanics. Students use industry-standard software to accomplish projects, make presentations, and gain a deeper understanding of aerospace careers.



## **Digital Electronics**

**18 weeks/1 credit**

**Prerequisite:** Completion of Introduction to Engineering and Design and Geometry

**Corequisite:** Algebra II with Statistics

**Honors Credit Awarded**

Digital Electronics is a course of study in applied digital logic. Students will be introduced to digital circuits found in video games, watches, calculators, digital cameras, and thousands of other devices. Students will study the application of digital logic and how digital devices are used to control automated equipment. The use of digital circuitry is present in virtually all aspects of our lives, and its use is increasing rapidly. This course is similar to a first semester college course and is an important course of study for a student exploring a career in engineering or engineering technology.



## **Civil Engineering and Architecture**

**18 weeks/1 credit**

**Prerequisite:** Introduction to Engineering OR Construction Finishing

**Honors Credit Awarded**

A one-credit course that provides opportunities for students to learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software.

**bj Computer Integrated Manufacturing (PLTW)**  
**18 weeks/1 credit**

**Prerequisite:** Introduction to Engineering Design

**Honors Credit Awarded**

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.

**Engineering Internship: Research and Design with Career Pathway Project\***

**18 weeks/2 credits double-block**

**Prerequisite:** Principles of Engineering

**Honors Credit Awarded**

The pinnacle of the Engineering Academy presents students with the opportunity to apply the knowledge and skills they have obtained in the previous two engineering classes. This senior-level class will solidify the student's understanding of engineering principles as they leave the campus to intern at local engineering companies. Class time will be spent polishing communication skills and participating in a senior project and report. Students must have a driver's license and be able to provide their own transportation to and from job sites.

**Advanced Manufacturing and Machining**

**18 weeks/1 credit**

**Honors Credit Awarded**

This course will provide students with the opportunity to develop the skills and abilities that will allow them to be well-prepared and well-versed when entering the advanced manufacturing and machining job market. It is recommended that students complete, but it is not required, Computer Integrated Manufacturing as a prerequisite or corequisite for this course. Four areas of intensive study are included in this course: Safety (fire and electrical safety, hazardous material safety), Maintenance Awareness (electrical circuits, machine automation), Manufacturing Process and Production (machining processes and tooling), and Quality Assurance (blueprint reading, dimensional gauging). Each of these areas will provide the opportunity to earn focused credentials that are specifically sought out by industry. For example, students have the opportunity to earn the MSSC CPT credential, which is an advanced manufacturing industry credential. The possibility of earning 3.0 college credit hours for each of the focus areas through an articulation agreement with local community colleges is being considered.

## **Business Academy**

### **BUSINESS MANAGEMENT AND ADMINISTRATION**

**Business Software Applications I (BSA)**

**18 weeks/1 credit**

Course meets the state requirement for computer proficiency for the State of Alabama. Students master skills in word processing, database, spreadsheet, presentation, and Internet use. A major emphasis is placed on preparing students for Microsoft Office Specialist (MOS) certification after mastering each MS Office application. (MOS Certifications offered: Word and PowerPoint and other MS Office applications).

**Advanced Business Software Applications II**

**18 weeks/1 credit**

**Prerequisite:** BSA

**Honors Credit Awarded**

This honors business course refines concepts learned in Business Technology Applications I. Microsoft Office skills and projects are integrated throughout the course. A major emphasis is placed on preparing students for Microsoft Office Specialist (MOS) certification after mastering each MS Office application. (MOS Certifications offered: Excel and Access or other MS Office applications).



## **Digital Media Design** 18 weeks/1 credit

Course designed to provide students with hands-on skills involving graphic design, digital photography, Web publishing, and digital video production. Students use various hardware peripherals and software for completing documents. Students contribute material for school websites and their own personal portfolios. FBLA is the Career Technical organization that is an integral, co-curricular component of the course. A prerequisite of Creative Writing is recommended but not required. A major emphasis is placed on preparing students for optional credentialing through Adobe certification available upon completion of this course.

## **Digital Publications Design** 18 weeks/1 credit

**Prerequisite: Creative Writing I OR Digital Media Design**

Course designed to further the hands-on skills of graphic design, digital photography, Web publishing, and digital video production. Students use various hardware peripherals and software for completing documents. Students contribute material for print publications, school websites, and their own personal portfolios. FBLA is the Career Technical organization that is an integral, co-curricular component of the course. A major emphasis is placed on preparing students for optional credentialing through Adobe (to include InDesign, Illustrator, Flash, Dreamweaver, and Photoshop) certification available upon completion of this course.

## **Senior Career Pathway Project-Business, Management & Administration**

18 weeks/1 credit

**Prerequisite: Digital Publications Design**

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.

## **Creating Entrepreneurial Opportunities (CEO)**

36 weeks/2 credits

**Honors Credit Awarded**

**Prerequisite: Application Process**

Creating Entrepreneurial Opportunities (CEO) is a year-long course designed to utilize partnerships that provide an overview of business development. In this course, local business partners and community leaders work with area schools to create project-based experiences for students by providing funding, expertise, meeting space, business tours, and one-on-one mentoring. Through this course, students will visit area businesses, learn from guest speakers, write business plans, and start and operate their own businesses. Business concepts learned through the experiential CEO class are critical; the 21st century skills of problem-solving, teamwork, self-motivation, responsibility, higher-order thinking, communication, and inquiry are at the heart of a student's development throughout the course. This course meets off-campus in an effort to fully immerse students in the world of successful business partners and community leaders. Students must provide transportation. Contact your College and Career Counselor for additional questions. Students may apply at [www.madisonalceo.com](http://www.madisonalceo.com)

## **MARKETING SALES AND SERVICE**

### **Business Software Applications (BSA)**

18 weeks/1 credit

Course meets the state requirement for computer proficiency for the State of Alabama. Students master skills in word processing, database, spreadsheet, presentation, and Internet use. A major emphasis is placed on preparing students for Microsoft Office Specialist (MOS) certification after mastering each MS Office application. (MOS Certifications offered: Word and PowerPoint and other MS Office applications). This course also provides college credit at any community college in the state of Alabama. Please see Alabama Community College System State-Wide Articulation Agreements for details.

### **Marketing Principles**

18 weeks/1 credit

Course provides students with an overview of in-depth marketing concepts. Students develop a foundational knowledge of marketing and its functions, including marketing information management, pricing, product and service management, entrepreneurship, promotion and selling. Students examine the need for sales and marketing strategies, practice customer relationship skills, ethics, technology and communication in the workplace. FBLA is the Career/Technical organization that is an integral, co-curricular component of the course.

## **Sports and Entertainment Marketing**

**18 weeks/1 credit**

Students will develop skills in advertising, publicity, special events, visual merchandising, displays, promotional campaigns, and advertisements to aid in promotional planning. The skills will all be taught with an emphasis on professional sports teams. Partnerships with local teams will be utilized. FBLA is the Career/Technical organization that is an integral, co- curricular component of the course.

## **Career Pathway Project - Marketing Sales and Service**

**18 weeks/1 credit**

**Prerequisite:** BSA, Marketing Principles OR Sports and Entertainment Marketing

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.

# **Finance Academy**

## **ACCOUNTING**

### **Business Software Applications (BSA)**

**18 weeks/1 credit**

Course meets the state requirement for computer proficiency for the State of Alabama. Students master skills in word processing, database, spreadsheet, presentation, and Internet use. A major emphasis is placed on preparing students for Microsoft Office Specialist (MOS) certification after mastering each MS Office application. (MOS Certifications offered: Word and PowerPoint and other MS Office applications). This course also provides college credit at any community college in the state of Alabama. Please see Alabama Community College System State-Wide Articulation Agreements for details.

### **Accounting**

**18 weeks/1 credit**

This course is designed to help students understand the basic principles of the accounting cycle. Emphasis is placed on basic accounting, analyzing and recording business transactions, preparing and interpreting financial statements, and performing banking/payroll activities.

### **Personal Finance**

**18 weeks/ 1 credit**

This course is a survey of topics of interest to the consumer. Topics include budgeting, financial institutions, basic income tax, credit, consumer protection, insurance, house purchase, retirement planning, estate planning, investing, and consumer purchases.

### **RFCU School Branch I**

**18 weeks/1 credit**

This course is being offered in conjunction with Redstone Federal Credit Union and will require some summer training and additional training during the school year. Students will have the opportunity to run a school branch of the credit union during this course. This course is only available to juniors and seniors.

### **RFCU School Branch II**

**18 weeks/1 credit**

This course is being offered in conjunction with Redstone Federal Credit Union and will require some summer training and additional training during the school year. Students will have the opportunity to run a school branch of the credit union during this course. This course is only available to juniors and seniors.

### **Career Pathway Project – Finance**

**18 weeks/1 credit**

Senior Pathway Project in Finance is a capstone course designed for students who have earned two or more credits from the same pathway in the Finance Academy. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent learning skills. This course contributes to the educational plan of challenging courses and practical experiences that prepares a student for the workplace or for pursuing further education.

# Arts, A/V Technology, Communications Academy

## ENTERTAINMENT AND MEDIA

### **Media Production Foundations (replacing Television Production)**

**18 weeks/1 credit**

This course provides an overview of media production across multiple disciplines, including drone photography, audio production, broadcasting, film production, and technical theatre. The ethical use of artificial intelligence is woven throughout the course of study. This course is the prerequisite for audio, broadcasting, film production, and technical theatre courses.

### **Film Production I (replacing JetsPress I)**

**18 weeks/1 credit**

#### **Prerequisite: Media Foundations I**

This course provides an overview of basic film production skills. Course content includes pre-production, production, post-production, and distribution of film products, as well as historical background of the motion picture industry, legal and ethical considerations, and responsibilities of film production crew members.

### **Film Production II (replacing JetsPress II)**

**18 weeks/1 credit**

#### **Prerequisite: Media Production Foundations and Film Production I**

This course builds on the concepts presented in Film Production I to extend students' production skills. Course content includes film genres, camera technique, color theory, casting, sets, costuming, props, music, visual effects, production design, finances, and marketing and distribution. Students will have the opportunity to create a professional portfolio as well as become more familiar with professions in the film industry. The course is designed to prepare students for post-secondary study in the field.

### **Broadcasting I (replacing Studio Operations I)**

**18 weeks/1 credit**

#### **Prerequisite: Media Production Foundations**

This course presents the basic elements of radio, television, and web-based broadcasting for the dissemination of information or for entertainment through standard journalistic practices. This course expands upon basic concepts in Media Production Foundations with emphasis on scriptwriting, storyboarding, camera and microphone techniques, video and audio editing, and on-camera presentation. Content also includes the history of broadcasting, various broadcast mediums, and the roles and responsibilities of professionals in the industry. The course provides hands-on experience creating and producing broadcast projects in multiple formats and incorporates creativity and important communication and critical thinking skills.

### **Broadcasting II (replacing Studio Operations II)**

**18 weeks/1 credit**

#### **Prerequisite: Media Production Foundations and Broadcasting I**

This course builds on concepts presented in Broadcasting Production I by providing expanded broadcasting skills and opportunities. Topics include audience research, developing a creative vision for programming, advanced video production techniques, and broadcast journalism. Students will also have the opportunity to work on larger-scale projects and explore their own creative interests within the broadcasting field.

### **CTE Lab (Internship I)**

**18 weeks/1 credit**

#### **Prerequisite: Application Process**

This course is designed to enhance the student's general understanding and mastery of the Arts, A-V Technology, and Communications program. 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.

### **Career Pathway Project Arts, A/V Technology, and Communications (Internship II)**

**18 weeks/1 credit**

#### **Prerequisite: Application Process**

This capstone course which allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.

# Human Services Academy

## CLOTHING, TEXTILES AND INTERIOR DESIGN

### **Family and Consumer Science**

**18 weeks/1 credit**

This course will allow students to explore nutrition and cooking, communication, family relationships, interior design, fashion and sewing techniques and much more. As an overview course, this allows students to explore all the pathways offered in FACS.

### **Fashion Fundamentals (replacing Fashion)**

**18 weeks/1 credit**

#### **Prerequisite: Family and Consumer Science**

This course introduces students to the design and selection of apparel and textile products. It provides opportunities for students to explore fashion history, fashion design, apparel and construction methods, and sustainability and globalization in fashion. Fashion Fundamentals exposes students to career options in the fashion industry and addresses the safe use of relevant tools and machinery.

### **Fashion & Retail Marketing (replacing Fashion Design)**

**18 weeks/1 credit**

#### **Prerequisite: Family and Consumer Science and Fashion Fundamentals**

This course is designed to provide students with an overview of retail and fashion marketing principles and practices. This course introduces students to the retail industry, including the fundamentals of fashion marketing, key marketing concepts essential to every business, types of businesses involved in the industry, fashion industry economics, and an array of career opportunities in the fashion industry.

### **Fashion Merchandising (Retail and Fashion Marketing)**

**18 weeks/ 1 credit**

#### **Prerequisite: Family and Consumer Science, Fashion Fundamentals, and Retail and Fashion Marketing**

This course is designed to provide students with an overview of retail and fashion marketing principles and practices. This course introduces students to the retail industry, including the fundamentals of fashion marketing, key marketing concepts essential to every business, types of businesses involved in the industry, fashion industry economics, and an array of career opportunities in the fashion industry.

### **Career Pathway Project**

**18 weeks/1 credit**

#### **Prerequisite: Completion of Fashion & Retail Marketing**

This is a capstone course which allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent learning skills.

## FAMILY STUDIES AND COMMUNITY SERVICES

### **Family and Consumer Science**

**18 weeks/1 credit**

This course will allow students to explore nutrition and cooking, communication, family relationships, interior design, fashion and sewing techniques and much more. As an overview course, this allows students to explore all the pathways offered in FACS.

### **Nutrition and Food**

**18 week/1 credit**

#### **Prerequisite: Family and Consumer Science**

Topics include the impact of daily nutrition and wellness practices on long-term health and wellness; physical, social, and psychological aspects of healthy nutrition and wellness choices; selection and preparation of nutritious meals and snacks based on USDA Dietary Guidelines, including My Plate; safety, sanitation, storage, and recycling processes and issues associated with nutrition and wellness; impacts of science and technology on nutrition and wellness issues; and nutrition and wellness career paths.

### **Family Financial Planning**

**18 weeks/1 credit**

#### **Prerequisite: Family and Consumer Science**

Family Financial Planning introduces students to the fundamentals of personal and family finance, asset protection, and financial services through the life cycle. Topics include financial planning, consumer credit, emerging technologies, consumer debt, consumer insurance, global markets, and sustainability. This course is designed to help students develop the skills necessary to be informed consumers and prepare for their financial future, including the creation of a personal financial plan.

## **Career Pathway Project - Family Studies and Community Services**

**18 weeks/1 credit**

This is a capstone course which allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent learning skills.

## **EDUCATION AND TRAINING**

### **Foundations in Education (replacing Education and Training)**

**18 weeks/1 credit**

This foundation course is designed for students who are interested in pursuing careers in education. Course content includes the organizational structure of education, careers, the role of the teacher, characteristics of effective teachers, communication skills, the teaching and learning processes, learning styles, research, characteristics of positive classroom environments, human growth and development, curriculum development, student characteristics, teaching techniques, learning activities, educational initiatives, technology, and careers. Observational experiences are a required component of this course.

### **Practices in Education (replacing Teaching I)**

**18 weeks/1 credit**

#### **Prerequisite: Foundations in Education**

The course includes content that helps students implement the teaching and learning processes. Major topics included in this course are funding sources, budget preparations, legal aspects, research, teaching and learning theories, curriculum development, positive learning environments, creative teaching techniques, appropriate learning activities, instructional resources, community resources and services, scope and sequence charts, course outlines, lesson plans, testing, grading, developing partnerships, technology, and careers. School-based laboratory experiences are essential for students to develop skills in teaching. Observational experiences are a required component of this course.

### **Methods in Education (replacing Teaching II)**

**18 weeks/1 credit**

#### **Prerequisite: Practices in Education**

This course provides students with advanced knowledge and utilization of skills in the field of education and is an extension of Teaching 1; embedded service learning through job shadowing in area schools will be an integral component of this course.

### **Education and Training Internship**

**18 weeks / 2 credits / double block**

#### **Prerequisite: Teaching II**

This course is designed for students interested in pursuing an internship experience in an educational field. Students who have completed Teaching II are eligible to enroll in the Education and Training Internship. Enrollment in this course requires a skills-based application process in which discipline, attendance, and teacher recommendations will also be considered.

## **HOSPITALITY AND TOURSIM**

### **Introduction to Hospitality & Tourism**

**18 weeks / 1 credit**

Introduction to Hospitality and Tourism is the prerequisite for all other courses in the cluster. Major topics include sports, recreation, and attractions; management of hotels, resorts, and lodgings; travel and tourism; restaurants and food and beverage services; and customer relations and quality services.

### **Culinary I**

**18 weeks/1 credit**

#### **Prerequisite: Introduction to Culinary Arts (Hospitality & Tourism)**

Students learn basic food production, management, and service activities in both the back- and- front-of-the- house. Emphasis is placed on sanitation, safety, and basic food preparation. Skills in mathematics, science, and communication are reinforced in this course. The required school-based laboratory for Culinary1 is a commercial food service kitchen with a food serving and dining area. School-based laboratory experiences are essential for students to develop skills in the hospitality and tourism industry.



## Culinary II

18 weeks /1 credit

**Prerequisite:** Culinary 1 and Teacher Approval

Culinary Arts II builds on concepts presented in Culinary Arts I to provide expanded experiences in food production, management, and service. Topics include food safety and sanitation, foodservice operations, advanced food production, and international, regional, and cultural cuisine. Skills in mathematics, communication, creative thinking, and entrepreneurship are reinforced in this course. This course requires a fully-equipped, school-based commercial kitchen with food service and dining areas.



## Baking & Pastry Arts

18 weeks /1 credit

**Prerequisite:** Hospitality and Tourism and Culinary I

This course is designed to equip students with the principles and techniques of baking and pastry-making from fundamentals to the latest trends. The course includes baking technologies, equipment, preparation procedures, production methods, pastry methods, science of bread baking, confections and desserts, showpieces, cost control, food safety, and presentation techniques. This course is fully-equipped, school-based commercial kitchen with food service and dining areas.



## Career Pathway Project in Hospitality & Tourism

18 weeks /1 credit

**Prerequisite:** Two Culinary Arts classes

This is a capstone course which allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.

# Computer Science Academy

## COMPUTER SCIENCE

### Programming Foundations

18 weeks/1 credit

**Prerequisite:** Accelerated Math 7 & 8 or Algebra I with Data Analysis - B or higher average is strongly recommended.

After being introduced to basic computer terminology, students will learn to program in C and will acquire a thorough understanding of variables, loop techniques, functions, and procedures. Good programming techniques will also be stressed. It will be expected that students have solid basic math skills, keyboarding skills, and experience using several computer applications.

### Object Oriented Programming I

18 weeks/1 credit

**Honors Credit Awarded**

**Prerequisite:** Programming Foundations - B or higher average is strongly recommended.

Students will learn the fundamentals of C++ and object-oriented programming languages. Good programming techniques will also be stressed.

### AP Computer Science A

18 weeks/1 credit

**Prerequisite:** Object Oriented Programming I (a B or higher average is strongly recommended)

This advanced placement course is accelerated in rigor and pace. Students will cover an in-depth study of JAVA and object-oriented programming languages. **Participation in the national AP test is a mandatory component in the rigor of this course.**

### AP Computer Science Principles

18 weeks/1 credit

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for computer science. This course is designed to introduce students to the seven central ideas of computing and computer science. The content is focused on creativity, abstraction, algorithms, programming, big data, Internet/networking, and societal impact. Throughout the course there will be a significant amount of research, writing, and programming. This course is **NOT** the prerequisite for any of the other computer science courses.

**Participation in the national AP test is a mandatory component in the rigor of this course. The AP exam consists of two parts – multiple choice exam and a portfolio.**

## **Career Pathway Project – Computer Science (Independent Computer Research)**

**18 weeks/1 credit**

**Prerequisite:** Object Oriented Programming I AND Teacher Approval

**Corequisite (if not already taken):** AP Computer Science A

**Honors Credit Awarded**

Each student will complete a research project on an independent study basis and will also assist as an aide in the C and/or C++ Programming class. This course will also provide opportunities for job shadowing and internships with local companies.

## **CYBERSECURITY AND INFRASTRUCTURE**

### **IT Fundamentals**

**18 weeks/1 credit**

**Prerequisite:** Accelerated Math 7 & 8 or Algebra I with Data Analysis - B or higher average is strongly recommended.

This is an introductory level course that covers the fundamentals of software, hardware, security, and networking, as well as basic IT skills such as workstation set-up, operating system navigation, simple support services, backup protocols, and safety. Upon completion of the course, students will understand the essential functions of IT professionals and be better positioned to make decisions about a career in information technology.

### **AP Cybersecurity I (replacing Networking Fundamentals)**

**18 weeks/1 credit**

**Prerequisite:** IT Fundamentals

This is a course that covers the fundamentals of networking. It is equivalent to a college-level Introduction to Networking course. The course interweaves essential networking concepts with relevant, hands-on problem-solving activities to maximize students' understanding of network hardware and configuration, the use of protocols to enable reliable and accurate transmission of data between different hosts around the world, and relevant security practices that secure the transmission of data both within and between computer networks. This course is designed to be the equivalent of a 3-credit course taken in the first or second year of a college cybersecurity degree or certificate program. Developed in partnership with higher education faculty, this course meets all of the requirements necessary to earn college credit. Certification: Career Kickstart Networking Fundamentals is designed to help students develop understanding and skills that will contribute to their ability to pass widely recognized professional cybersecurity certifications such as CompTIA Network+, Cisco Certified Networking Associate (CCNA), and Cisco Certified Support Technician (CCST): Networking.

### **AP Cybersecurity II (replacing Cybersecurity II)**

**18 weeks/1 credit**

**Prerequisite:** AP Cybersecurity I

Cybersecurity Fundamentals is a course covering foundational cybersecurity concepts and skills and is equivalent to a college-level Introduction to Cybersecurity course. Students will explore the current cyber threat landscape to understand the types of adversaries organizations face and the techniques adversaries use to compromise systems and data. Students will learn how vulnerabilities create risk and how organizations implement security controls to manage that risk. Topics in the course include physical, operational, application, and network security; security controls; cryptography; access control; attacks and detection; and response and recovery. Students will research emerging trends in cybersecurity and gain hands-on experience implementing security protocols. This course is designed to be the equivalent of a 3-credit course taken in the first or second year of a college cybersecurity degree or certificate program. Developed in partnership with higher education faculty, this course meets all of the requirements necessary to earn college credit. Certification: Career Kickstart Cybersecurity Fundamentals is designed to help students develop understanding and skills that will contribute to their ability to pass widely recognized professional cybersecurity certifications such as CompTIA Security+ and Cisco Certified Support Technician (CCST): Cybersecurity.

### **Cybersecurity III Honors**

**18 weeks/1 credit**

**Prerequisite:** AP Cybersecurity II

Cybersecurity III Honors is an advanced-level course designed to prepare students for specialized careers in cybersecurity analysis, network penetration testing, cybersecurity forensics, and related fields, including law enforcement support at local, state, and federal levels. This course builds upon foundational cybersecurity concepts, emphasizing both offensive and defensive security strategies through penetration testing, digital forensics, governance frameworks, and real-world security applications. Students will engage in rigorous problem-solving, scenario-based exercises, and independent projects that reflect industry standards. Additionally, the course highlights essential technical training to prepare students for industry certification exams. To fully participate, students need access to computers capable of running virtual machines (VMs) or a high-speed Internet connection with access to a cyber range environment. Ethical responsibility is a key component, and students must develop a strong ethical foundation before engaging in the course's hands-on, active security exercises. Therefore, it is recommended that students take this course in 11th or 12th grade.

## **Senior Career Pathway Project – Cybersecurity (Independent Computer Research)**

**18 weeks/1 credit**

**Prerequisite:** Cybersecurity II

**Corequisite:** Cybersecurity III

**Honors Credit Awarded**

Each student will complete a research project on an independent study basis and will also assist as an aide in the C and/or C++ Programming class. This course will also provide opportunities for job shadowing and internships with local companies.

# **Construction Technology Program**

## **CONSTRUCTION TECHNOLOGY PROGRAM**

### **Architectural and Construction Foundations**

**18 weeks/1 credit**

This course is the first course in the Construction Academy series and introduces students to NCCER core curriculum and the OSHA 10 hour general industry qualification. Students will learn basic safety, knowledge and skills in the areas of design, preconstruction, hand and power tools, communication and employability skills, rigging and material handling, and construction drawings. These skills will prepare students for careers related to architecture, construction, and manufacturing industries.

### **Carpentry: Commercial Framing and Layout**

**18 weeks/1 credit**

**Prerequisite:** Architectural and Construction Foundations

Provides students with an understanding of the framing phase of a structure, including framing components. Topics include career opportunities, safety, lumber, material estimation, floor systems, wall framing, ceiling framing, stair construction, roof framing, and roof materials in various structures.

### **Construction Foundation Layout**

**18 weeks/1 credit**

**Prerequisite:** Architectural and Construction Foundations

Designed to facilitate students' understanding of the first phases of construction and include types of structures and their uses.

### **Construction Finishing**

**18 weeks/1 credit**

**Prerequisite:** Architectural and Construction Foundations

Provides instruction on the exterior and interior finishing of a structure. Students will make a project out of woodworking tools and the following topics will be taught: plumbing, electricity, drywall, insulation and cabinet making. \*Students who successfully complete the Architecture and Building Construction Academy three course sequence (Construction Framing, Construction Site Preparation and Foundations, and Construction Finishing and Interior Systems) are eligible to take the Civil Engineering and Architecture course.

### **Landscape Design and Management**

**18 weeks/1 credit**

This course allows students to become more knowledgeable about and appreciative of landscape design and management. Students receive instruction that allows them to participate in hands-on activities in the areas of landscape drawing and design; landscape plant identification, classification, and selection; landscape growth and the environment; landscape establishment and management; landscape tools and equipment; landscape drainage and irrigation; insects, diseases, and weeds; landscape features; residential turf grass management; interior landscapes; xeriscaping; business management; and environmental issues.

### **Welding I**

**18 weeks/1 credit**

This course is designed to complete all core requirements for NCCER core credentialing and to provide students with fundamental knowledge and skills emphasizing the use of hand tools, power tools, and welding theory and practices, which are utilized in the manufacturing and construction industry. In NCCER Welding I, students will learn the following skills: shielded metal arc welding (SMAW), gas metal arc welding (GMAW), and flux-cored arc welding (FCAW) and will have the opportunity to earn several credentials that they may carry on to a post-secondary welding program or directly to the workforce. Transportation to Discovery Middle School is required.



## Senior Career Pathway Project: Architecture & Construction

18 weeks/1 credit

Application process required

**Prerequisite:** Architectural and Construction Foundations and one of the two Construction Finishing Courses or Construction Foundation Layout

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.

# Additive Manufacturing

## ADDITIVE MANUFACTURING

**Introduction to Manufacturing**

18 weeks/1 credit

Introduction to Manufacturing focuses on the fundamental knowledge and skills needed in the manufacturing industry. Emphasis is placed on job safety, use of manufacturing materials, primary manufacturing processes, secondary manufacturing processes, and manufacturing systems. Upon successful completion of this course, students perform basic tasks related to the manufacturing industry.

**3-D Solid Modeling I**

18 weeks/1 credit

**Prerequisite:** Introduction to Manufacturing

This course introduces students to three-dimensional modeling utilizing the three-dimensional capabilities of computer-aided design (CAD) software. Emphasis is placed on working planes, profile creation, protrusions, extrusions, and rendering techniques. Students create two-dimensional part drawings relative to three-dimensional models.

# JROTC Academy



AIR FORCE JUNIOR ROTC

AFJROTC creates tomorrow's leaders and develops citizens of character. It is NOT a military recruitment program; students incur NO military service obligation. Students learn and demonstrate patriotism, citizenship, personal obligation to contribute to individual/community/national goals, leadership and life skills. Physical fitness is emphasized in each course. Military drill is used in every course to teach leadership & discipline and to give students opportunities to practice leadership skills. The courses include an emphasis on aerospace science as an important component of the US military and industry. Students may participate in many organized activities outside of class (field trips, leadership schools, marksmanship competitions, drill meets, parades, military balls, model rocketry, and community service projects.) Students who have not taken AFJROTC before begin the program by completing the first two introduction courses; the remaining courses may be taken in any sequence.

For each AFJROTC courses:

1. Students are required to properly wear the AFJROTC uniform one day a week and on special occasions.
2. Students must sign an agreement to adhere to AFJROTC grooming standards for correct uniform wear (including proper hair length and style, and no unnatural hair coloring).
3. A fee is required.

**The completion of a single Air Force Junior ROTC course fulfills the physical education requirement for the Alabama High School diploma.**

**Introduction to AFJROTC:**

**09151G1000 AFJROTC: Leadership and Aviation History – Part 1 (18 Weeks/ 1 credit)**

Students learn the historical development of flight and the role of the military in history, from ancient legends through the Korean War. Students are also taught career readiness and how to prepare for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st century. Students participate in military drill and ceremonies execution and performance, and learn how drill helps the individual, builds the team, and develops leaders. Students participate in a physical training program to reach fitness goals and encourage life-long wellness.

**09153G0500 / 09002G0501 AFJROTC: Leadership and Aviation History – Part II (18 Weeks/ 1 credit)**

Students learn the historical development of flight and the role of the military in history, from the Korean War through the present. Students also learn life skills, such as financial planning and choosing a career/college. Students participate in military drill and ceremonies execution and performance, and learn how drill helps the individual, builds the team, and develops leaders. Students participate in a physical training program to reach fitness goals and encourage life-long wellness.

**09002G1002 AFJROTC: Leadership and Survival (18 Weeks/ 1 credit)**

Students learn skills & knowledge to successfully perform fundamental tasks for survival, using basic Air Force survival training. Students also learn management basics, theories, and approaches and planning & decision making. Students participate in military drill and ceremonies execution and performance, and learn how drill helps the individual, builds the team, and develops leaders. Students participate in a physical training program to reach fitness goals and encourage life-long wellness.

**09002G1001 AFJROTC: Leadership and Cultural Studies – Part I (18 Weeks/ 1 credit)**

Students learn the impact of world cultures on our society through the study of world affairs, regional studies, and cultural awareness. Regions of study for this course are the Middle East, Asia, and Africa. Students also learn how to organize to manage change, stress, and innovation and to lead individuals & groups. Students participate in military drill and ceremonies execution and performance, and learn how drill helps the individual, builds the team, and develops leaders. Students participate in a physical training program to reach fitness goals and encourage life-long wellness.

**Advanced AFJROTC:****09154G1000 AFJROTC: Leadership and Science of Flight – Part I (18 Weeks/ 1 credit)**

Students learn about the aerospace environment and the human requirements of flight. Students will also learn effective communication and increased awareness of self and others. Students participate in military drill and ceremonies execution and performance, and learn how drill helps the individual, builds the team, and develops leaders. Students participate in a physical training program to reach fitness goals and encourage life-long wellness.

**09152G0500 / 09002G0502 AFJROTC: Leadership and Science of Flight – Part II (18 Weeks/ 1 credit)**

Students learn about principles of aircraft flight, and principles of navigation. Students will also learn values of personal integrity, service, & excellence and improve leadership techniques. Students participate in military drill and ceremonies execution and performance, and learn how drill helps the individual, builds the team, and develops leaders. Students participate in a physical training program to reach fitness goals and encourage life-long wellness.

**09151G0500 / 09002G0503 AFJROTC: Leadership and Cultural Studies – Part II (18 Weeks/ 1 credit)**

Students learn the impact of world cultures on our society through the study of world affairs, regional studies, and cultural awareness. Regions of study for this course are Russia, Latin America, and Europe. Students also learn about citizenship, character, Air Force heritage & traditions, and individual self-control. Students participate in military drill and ceremonies execution and performance, and learn how drill helps the individual, builds the team, and develops leaders. Students participate in a physical training program to reach fitness goals and encourage life-long wellness.

**09153G1000 AFJROTC: Leadership and Exploration of Space (18 Weeks/ 1 credit)**

Students learn the basics of space exploration including orbits & trajectories, spacecraft & launch vehicles, and space- systems operations. Students also learn theories of wellness, health, and fitness and US citizenship and government. Students participate in military drill and ceremonies execution and performance, and learn how drill helps the individual, builds the team, and develops leaders. Students participate in a physical training program to reach fitness goals and encourage life-long wellness.

**480077 Drill & Ceremony****18 Weeks/ 1 credit**

The Drill and Ceremonies course provides fundamental and in-depth instruction in Air Force drill and ceremonies. The fundamentals of Drill and Ceremonies, to include cadet ability to perform the AFJROTC 30-step drill sequence at the appropriate level commensurate with their enrollment experience, are taught as a part of the Leadership Education component for each AFJROTC class. The Drill and Ceremonies course concentrates on the elements of military drill, and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of command voice. Though each class will follow an established lesson plan, most of the work is to be hands-on.

The Army Junior ROTC teaches citizenship, leadership, and aerospace science. It is NOT a military recruitment program; students incur NO military service obligation. The objectives of the program are to teach students patriotism, citizenship, and personal obligation to community/national goals, aerospace basics, leadership, and life skills. Physical fitness is emphasized in each course. Military drill is used to teach leadership and discipline and to give students opportunities to practice leadership skills. Students can participate in many outside activities (field trips, leadership schools, drill meets, parades, military balls, model rocketry, and community service projects.) Courses have no prerequisites, and students may take courses in any sequence. For each Army JROTC course:

1. Students are required to properly wear the ARJROTC uniform one day a week and on special occasions.
2. Students must sign an agreement to adhere to ARJROTC grooming standards for correct uniform wear (including proper hair length for males.)
3. A fee is required.

The completion of Leadership Education and Training II fulfills the physical education requirement for the Alabama High School diploma.

### **ARMY JROTC Leadership Education and Training I (LETI)**

**18 weeks/1 credit**

A course that provides first year cadets with classroom and laboratory instruction in the history, customs, traditions, and purpose of the Army JROTC. Emphasis is placed on leadership skills, principles, values and attributes, and diversity.

### **ARMY JROTC Leadership Education and Training II (LETII)**

**18 weeks/1 credit**

A course designed to provide intermediate instruction in leadership and citizenry, and the expansion of skills taught in LETI. Emphasis is placed on communication techniques, cadet challenges, American citizenship, map reading, and the role of the U.S. Army.

### **ARMY JROTC Leadership Education and Training III (LETIII)**

**18 weeks/1 credit**

A course designed to provide advanced instruction in leadership and citizenry, communication, history and career opportunities, and technology awareness. Students will have hands-on experiences as teacher/leaders within the cadet battalion.

### **ARMY JROTC Leadership Education and Training IV (LETIV)**

**18 weeks/1 credit**

A course that provides opportunities for students to demonstrate leadership potential in an assigned command or staff position within the cadet battalion organizational structure. Emphasis is placed on negotiation skills and management principles.

## **Cooperative Education (Co-Op)**

### **COOPERATIVE EDUCATION (Co-op)**

Cooperative Education is a structured component of the Career and Technical Education (CTE) curriculum that integrates classroom instruction with paid or unpaid supervised, work-based experiences. Student work hours and wages earned are monitored and documented by the student and Co-op Coordinator.

#### **Requirements**

- Only open to 11th and 12th grade students
- Students may enroll in 1 or 2 consecutive blocks of Co-op. Students may not take Co-op in the middle of the day. For example, you may not be enrolled in only a 2nd or 3rd block Co-op.
- Students must work a minimum of 140 continuous, documented hours of employment per credit of Co-op. For example, students enrolled in two blocks of Co-op must work a minimum of 280 continuous, documented hours.
- Students must have reliable transportation and be off campus during their Co-op blocks.
- Students must have earned a College Career Readiness Indicator (CCRI) in order to be eligible for Co-op. There are a few exceptions to this:
  - The Co-op work experience is the final class in a CTE Completer sequence (job duties must align with the program area). For example, the student has taken two Culinary classes in sequence and works in Food Service or taken two Health Science classes in sequence and works in a medical office for their Co-op job.
  - The student is enrolled in a CTE class in the first semester where an industry credential may be earned. If the credential is not achieved in the first semester, the student would be removed from Co-op for the second semester.
  - The student is enrolled in a dual enrollment class concurrently with Co-op first semester. If CCRI is not achieved during the first semester, the student would be removed from Co-op for the second semester.

# The Arts

Course Number	Course Name	Credit	Fee
<b>Theatre Arts</b>			
05052G1001	Theatre Level I, Beginning Drama	1.0	\$20
05052G1002	Theatre Level II, Intermediate Drama	1.0	\$20
05052G1003	Theatre Level III, Advanced Drama**	1.0	\$20
05099G1003	Theatre Level IV, Advanced Drama**	1.0	\$20
05056G1001	Theatre Designing/Technical Theatre	1.0	\$20
05056G10T2	Intermediate Technical Theatre	1.0	\$20
05056G10T3	Advanced Technical Theatre (Fall)	1.0	\$20
05056G10S3	Advanced Technical Theatre (Spring)	1.0	\$20
05053G1002	Advanced Theatre Production** (Fall)	1.0	\$20
05053G1003	Advanced Theatre Production ** (Spring)	1.0	\$30
<b>Visual Arts</b>			
05154G1001	Visual Arts Level I Beginning Art	1.0	\$25
05154G1002	Visual Arts Level II Intermediate Art	1.0	\$25
05154G1003	Visual Arts Level III** Studio Seminar	1.0	\$25
05154G1004	Visual Arts Level IV** Advanced Studio Seminar	1.0	\$25
05199G1004	Visual Art Elective** Advanced Art (Fall)	1.0	\$25
05153E1000	AP Art History (does not meet Art Education requirement) (Spring)	1.0	AP Exam Fee
05172E1000	AP Studio Art Drawing**(does not meet Art Ed. requirement) (Spring)	1.0	\$25 + AP Exam Fee
05174E1000	AP Studio Art: 2-D Design	1.0	\$25 + AP Exam Fee
05175E1000	AP Studio Art: 3-D Design	1.0	\$25 + AP Exam Fee

Course Number	Course Name	Credit	Fee
	<b>Performing Arts</b>		
05110G1001	Vocal I (Beginning Choir – Fall)	1.0	\$30
05110G1002	Vocal II (Beginning Choir – Spring)	1.0	\$30
05111G10W1	Vocal III (Advanced Choir – Fall)	1.0	\$30
05111G10W2	Vocal IV (Advanced Choir – Spring)	1.0	\$30
05107G1001	Instrumental Level I, Piano I	0.5	\$20
05107G1002	Instrumental Level II, Piano II	0.5	\$20
05107G1003	Instrumental Level III, Piano III	1.0	\$20
05107G1004	Instrumental Level IV, Piano IV	1.0	\$20
05105G1001	Jazz Band (BJHS)	1.0	
05103G1001 / 05103G1002	Instrumental Level I** Marching Band / Competition Band (Fall)	1.0	\$50
05109G10P1	Instrumental Level IV, Percussion Marching Band (Fall)	1.0	\$50
05003G10D1	Dance Level I**Color Guard (BJHS) (Fall)	1.0	\$50
05003G10D2	Dance Level II**Dance Team (BJHS) (Fall)	1.0	\$50
05003G10D1/ 05003G10D2	Dance Level I**Color Guard / Dance Line – Band (JCHS) (Fall)	1.0	\$50
05003G1003	Dance Level II**Competition Dance Team (JCHS) (Fall)	1.0	\$50
05102G1001	Instrumental Level II**, Concert Band (Spring)	1.0	\$50
05109G10W1	Instrumental Level III**, Wind Ensemble (Spring)	1.0	\$50
05109G10P2	Instrumental Level IV**, Spring Percussion (Indoor Drum Line)	1.0	\$50
05149G10C1	Instrumental Techniques and Music Theory	1.0	\$12
05108G10G1	Guitar Level I (JCHS)	0.5	
05108G10G2	Guitar Level II (JCHS)	0.5	
05114E1000	AP Music Theory (does not meet Art Education requirement)	1.0	*Exam Fee

\*\*Denotes if Teacher Approval/Audition is required. Check your schools' website for audition dates and times.

## **THEATRE ARTS**

### **Theatre I (Beginning Drama)**

**18 weeks/1 credit**

Students will learn theatre history, basic acting technique (including stage directions), basic staging concepts, and production components. Topics such as improvisation, auditioning, pantomime, readers' theatre, and vocal presentation will be studied. Students will participate in competition (fall) and perform plays for an audience.

### **Theatre II (Intermediate Drama)**

**18 weeks/1 credit**

**Prerequisite: Theatre I**

Focuses on the performance aspects of drama such as improvisation, monologues, duets, and ensemble acting. Topics such as staging techniques, pantomime, reader's theatre, and technical theatre will be covered in greater detail with participation in published plays, as well as student-written monologues, duets, and solos.

### **Theatre III (Advanced Drama) (Fall)**

**18 weeks/1 credit**

**Prerequisite: Intermediate Drama AND Teacher Approval**

Advanced acting techniques and includes directing, dramatic literature study, and technical theatre components. Students will participate in competition and perform a full length play.

### **Theatre IV (Advanced Drama) (Spring)**

**18 weeks/1 credit**

**Prerequisite: Intermediate Drama AND Teacher Approval**

Advanced acting techniques and includes directing, dramatic literature study, and technical theatre components. Students will participate in competition and perform a full length play.

### **Theatre, Design Tech (Technical Theatre)**

**18 weeks/1 credit**

Design, implement, and execute lighting and sound designs using a variety of lighting and sound systems. Students will develop costume, scene, and makeup designs for ongoing productions as well as individual portfolios.

### **Intermediate Technical Theatre**

**18 weeks/1 credit**

**Prerequisite: Theatre, Design Tech**

Design, implement, and execute lighting and sound designs using a variety of lighting and sound systems. Development of costume, scene, and makeup designs for ongoing productions as well as individual portfolios for secondary and post-secondary competition.

### **Theatre, Designing/Technical Theatre (Advanced)**

**18 weeks/1 credit**

**Prerequisite: Intermediate Technical Theatre AND Teacher Approval**

Advanced light board programming skills, advanced sound system programming and scenic design construction techniques. Live performance technology, venue management skills and assume leadership roles in technical theatre positions running school performances for a variety of school groups. Emphasis on theatre management and advanced theatre technology.

### **Advanced Theatre Production**

**18 weeks/1 credit**

**Prerequisite: Audition**

Students will experience the complete production process as they prepare multiple plays. Students will also prepare monologues and duets for competition and college scholarship auditions. Students will work with guest artists to learn theatre history, styles, and professional theatre. After school rehearsals, performances, and festival trips are required. Additional fees are required in order to cover the cost of transportation, festival registration, rights/royalties and production expenses. Fundraising opportunities will be available to cover the fees.

\*Students who audition and are accepted into the Advanced Theatre Production class are required to take both the fall and spring semester courses.

## **VISUAL ARTS**

### **Visual Arts I (Beginning Art)**

**18 weeks/1 credit**

Provides a foundation for additional art courses that follow. This course is primarily devoted to providing systemic presentation of various art processes, theories, and historical developments. The approach to art experiences during this time is experimental in terms of materials but structured in terms of providing students a strong foundation in design, drawing, and vocabulary.

### **Visual Arts II (Intermediate Art)**

**18 weeks/1 credit**

#### **Prerequisite: Art I or Application Process**

Continues building on Art 1 skills, providing a stronger, broader, foundation for the more advanced Art courses which follow. This course is devoted primarily to the conscious and systemic presentation of various art procedures, theories and historical developments. While the approach to art experiences during this time is experimental in terms of materials, it is still structured in terms of providing a strong foundation in design, drawing, painting, and vocabulary.

### **Visual Arts III\* (Studio Seminar)**

**18 weeks/1 credit**

#### **Prerequisite: Art II AND Teacher Approval**

Focuses on in-depth art experiences. It is flexible in scope, allowing students to make choices from a broad range of art disciplines. The approach is accelerated as students continue to build on a strong foundation of basics.

### **Visual Arts IV\* (Advanced Studio Seminar)**

**18 weeks/1 credit**

#### **Prerequisite: Art III AND Teacher Approval**

Students select the area or areas of personal interest in which they desire to work in depth. Students explore increasingly complicated, challenging processes and media and develop personal style and critical evaluation skills. Course is accelerated as students begin to prepare portfolio work.

### **Visual Art Elective\* (Advanced Art) (Fall)**

**18 weeks/1 credit**

#### **Prerequisite: Art 4 AND Portfolio Review**

Accelerated portfolio preparation class for students concentrating on art as a career. Students will produce a body of work for several portfolios that will compete statewide and nationally for recognition, awards and scholarships. Portfolio review and teacher approval required.

### **Advanced Placement Studio Art Drawing (Spring)**

**18 weeks/1 credit**

#### **Prerequisite: Advanced Art and Portfolio review**

The AP Studio Art Drawing portfolio is designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. Students will demonstrate knowledge of visual elements and principles of design through a broad interpretation of drawing issues and media which will include skills such as: line quality, light, rendering, composition, surface manipulation and mark making. Media may include, drawing, painting, print making and mixed media. AP Studio Art is a portfolio-based course. AP Studio Art Drawing sets a national standard for performance in the visual arts that contributes to the significant role the arts play in academic environments. **Participation in national AP test is a mandatory component in the rigor of this course. This course does not meet the Arts Education requirement. This course does not meet the Arts Education requirement.**

### **Advanced Placement Art History (Spring)**

**18 weeks/1 credit**

This Advanced Placement course is accelerated in rigor and pace. Students will study Western and non-western art; cultural influences in art; prehistoric through contemporary art; discovery and preservation of art, aesthetics; criticism; analysis and interpretation. Participation in national AP test is a mandatory component in the rigor of this course. This course does not meet the Arts Education requirement.

### **Advanced Placement 2-D Art (Spring)**

**18 weeks/1 credit**

**Prerequisite:** Advanced Art and portfolio audition

Students will develop an understanding of 2-D design through processes such as graphic design, digital imaging, photography, collage, fabric design, fashion, illustration, and print making. Students must be proficient with the visual elements and principles of design. Participation in national AP test is a mandatory component in the rigor of this course. This course does not meet the Arts Education requirement.

### **Advanced Placement 3-D Art (Spring)**

**18 weeks/1 credit**

**Prerequisite:** Advanced Art and portfolio audition

Students will continue to develop their knowledge of the visual elements and principles of design through the integration of depth, space, volume, and surface. Sculpture may be figurative or non-figurative and may include architectural models, metal work, ceramics, installation, assemblage, and fiber arts. **Participation in national AP test is a mandatory component in the rigor of this course. This course does not meet the Arts Education requirement.**

## **PERFORMING ARTS**

### **Vocal I (Beginning Choir – Fall)**

**18 weeks/1 credit**

Introduces students to performance of a varied repertoire of vocal music. Fundamentals of musical history, theory, sight singing and proper vocal technique are emphasized. Winter/Spring term is a continuation of Fall term and is taught at a more advanced level. Students wishing to participate in Winter/Spring term should enroll in this course both terms. Requirements: purchase of a uniform, rehearsals, and performances outside regular school hours.

### **Vocal II (Beginning Choir – Spring)**

**18 weeks/1 credit**

Introduces students to performance of a varied repertoire of vocal music. Fundamentals of musical history, theory, sight singing and proper vocal technique are emphasized. Winter/Spring term is a continuation of Fall term and is taught at a more advanced level. Students wishing to participate in Winter/Spring term should enroll in this course both terms. Requirements: purchase of a uniform, rehearsals, and performances outside regular school hours.

### **Vocal III (Advanced Choir – Fall)**

**18 weeks/1 credit**

**Prerequisite:** Audition Required

This advanced chorus class is for selected students based on audition. Students will participate in the performance of a varied repertoire of challenging vocal music. This course includes more advanced concepts in musical history, theory, sight singing and proper vocal techniques. Winter/Spring term is a continuation of Fall term and is taught at a more advanced level. Students wishing to participate in Winter/Spring term should enroll in this course both terms. Requirements: purchase of a uniform, additional expenses/fees, rehearsals, performances, and competitions outside regular school hours.

### **Vocal IV (Advanced Choir – Spring)**

**18 weeks/1 credit**

**Prerequisite:** Audition Required

This advanced chorus class is for selected students based on audition. Students will participate in the performance of a varied repertoire of challenging vocal music. This course includes more advanced concepts in musical history, theory, sight singing and proper vocal techniques. Winter/Spring term is a continuation of Fall term and is taught at a more advanced level. Students wishing to participate in Winter/Spring term should enroll in this course both terms. Requirements: purchase of a uniform, additional expenses/fees, rehearsals, performances, and competitions outside regular school hours.

### **Instrumental I (Piano I)**

**9 weeks/0.5 credit**

This is an introductory course open to any student who has had no formal piano/keyboard training. Students will perform alone and in groups, interpret basic musical notation, define and use fundamental musical terms, discuss the various stylistic periods of musical history, and listen to and evaluate performances by peers as well as recorded performances by professional musicians.



### **Instrumental II (Piano II)**

**9 weeks/0.5 credit**

#### **Prerequisite: Piano I AND Teacher Approval**

Students will perform alone and in groups, interpret basic musical notation, define and use fundamental musical terms, discuss the various stylistic periods of musical history, and listen to and evaluate performances by peers as well as recorded performances by professional musicians.

### **Instrumental III (Piano III)**

**18 weeks/1.0 credit**

#### **Prerequisite: Piano II AND Teacher Approval**

This class is a continuation of the students' development in performance and interpretation of musical notation. In addition, students will continue to define and use musical terms, discuss the various stylistic periods of musical history, and listen to and evaluate performances by peers as well as recorded performances by professional musicians.

### **Instrumental IV (Piano IV)**

**18 weeks/1.0 credit**

#### **Prerequisite: Piano III AND Teacher Approval**

This class is a continuation of the students' development in performance and interpretation of musical notation. In addition, students will continue to define and use musical terms, discuss the various stylistic periods of musical history, and listen to and evaluate performances by peers as well as recorded performances by professional musicians.

### **Jazz Band** **9 weeks/0.5 credit**

#### **Prerequisite: music audition**

This is an audition-based ensemble in both fall and spring semesters and provides an opportunity for students to participate in a performing ensemble. Each ensemble will rotate their meeting time each week. One ensemble will meet two days a week during the zero block, while the other ensemble would meet two days a week during the 5th block. Then the ensembles would alternate their meeting times the following week.

### **Marching Band (Fall)**

**18 weeks/1 credit**

#### **Prerequisite: summer band camp (BJHS)**

This is a performance-based class. Students must audition for placement in this group in the spring of the previous year. Musical knowledge is required. Summer band camp, other expenses, and after-school activities are required. **This course satisfies the state course of study for the physical education requirement.**

### **Competition Band (Fall)**

**18 weeks/1 credit**

#### **Prerequisite: music audition, summer band camp**

This is a performance-based class. Students must audition for placement in this group in the spring of the previous year and the roster is finalized during summer band camp based on instrumentation needs. Musical knowledge and experience is required. Summer band camp, other expenses, and after school activities are required. **This course satisfies the state course of study for the physical education requirement.**

### **Percussion Marching Band (Fall)**

**18 weeks/1 credit**

#### **Prerequisite: audition and summer band camp**

This is a performance-based class for students who play percussion instruments. Additional fees will be paid to the Band Boosters in order to cover the cost of transportation, uniforms, and equipment. Fundraising opportunities will be available to cover the fee paid to the Band Boosters. Requirements: purchase of uniform, rehearsals and performances outside regular school hours. **This course satisfies the state course of study for the physical education requirement.**

### **Dance I (Color Guard) (Fall)** **18 weeks/1 credit**

#### **Prerequisite: audition required**

Designed to study all aspects of flag and/or rifle performance including practice on fundamental marching techniques. Summer band camp, uniform purchase, other expenses, and after-school activities are required. This course satisfies the state course of study for the physical education requirement.



## Dance II (Dance Team) (Fall)

18 weeks/1 credit

**Prerequisite:** audition required

Designed to study elements of movement and dance—time, space, and energy—as compositional components; technical and perception skills; awareness and analysis of movement sequences; spontaneous creation, critical evaluations; understanding of basic concepts through Dance team performances and competitions. This course satisfies the state course of study for the physical education requirement.



## Color Guard and Dance Line (Band) (Fall)

18 weeks/1 credit

**Prerequisite:** audition required

Designed to study all aspects of flag and/or rifle performance including practice on fundamental marching techniques. Summer band camp, uniform purchase, other expenses, and after-school activities are required. **This course satisfies the state course of study for the physical education requirement.**



## Competition Dance Team (Fall)

18 weeks/1 credit

**Prerequisite:** audition required

Designed to study elements of movement and dance—time, space, and energy—as compositional components; technical and perception skills; awareness and analysis of movement sequences; spontaneous creation, critical evaluations; understanding of basic concepts through Dance team performances and competitions. **This course satisfies the state course of study for the physical education requirement.**

## Instrumental Techniques & Music Theory

18 weeks/1 credit

Students will learn reading, writing and structure of music. Students will also have individualized practice time on the instrument of their choice. Since the class is both individualized, and is taught in small groups, there are no prerequisites for this course. Students must provide their instruments. This course can be repeated as determined by the teacher.



## Guitar Level I

9 weeks/0.5 credit

This course provides students with the opportunity to learn the basics of playing guitar and music making. Objectives of the course include playing chords, scales, and melodies as well as the basics of reading music, lead sheets, and tablature. This provides students with the skills needed to accompany a singer, participate in a band, and write original music. Additionally, guitar history, cultural influence, and instrument maintenance will be discussed and analyzed. The curriculum for the class is designed for a beginner as well as someone who has previously never played guitar. Students will need to provide their own guitar, however there is no requirement for quality.



## Guitar Level II

9 weeks/0.5 credit

**Prerequisite:** Guitar Level I

Guitar II is designed for students with at least one unit of classroom guitar, regardless of grade. Students should display an expansion of their abilities to create a more professional tone, play with a variety of techniques, and develop the skills necessary to become independent learners. Many advanced playing techniques find themselves inappropriate for a beginning guitar setting, yet are often crucial for developing students into lifelong guitarists and hobbyists. Aligning with the Alabama COS, there will be an emphasis on the “Four Artistic Processes”, students will perform, create, read/write, and listen/respond/evaluate music both alone and in collaboration with their peers.

## Concert Band (Spring)

18 weeks/1 credit

**Prerequisite:** audition required

This is a performance based instrumental music class. Additional fees will be paid to the Band Boosters in order to cover the cost of transportation, uniforms, and equipment. Fundraising opportunities will be available to cover the fee paid to the Band Boosters. Requirements: previous instrumental music experience, purchase of uniform, rehearsals and performances outside regular school hours.

**Wind Ensemble - (Spring)****18 weeks/1 credit****Prerequisite: audition and participation in Marching Band—BJHS requirement**

This is a performance-based, advanced instrumental music class. Students must audition for placement in this class in the the fall semester of the previous year. Additional fees will be paid to the Band Boosters in order to cover the cost of transportation, uniforms, and equipment. Fundraising opportunities will be available to cover the fee paid to the Band Boosters. Requirements: placement audition, previous instrumental music experience, purchase of uniform, rehearsals and performances outside regular school hours.

**Spring Percussion—formerly Indoor Drum Line****18 weeks/1 credit****Prerequisite: audition required**

This is a performance-based class for students who play percussion instruments. Additional fees will be paid to the Band Boosters in order to cover the cost of transportation, uniforms, and equipment. Fundraising opportunities will be available to cover the fee paid to the Band Boosters. Requirements: purchase of uniform, rehearsals and performances outside regular school hours. **This course satisfies the state course of study for the Physical Education requirement.**

**AP Music Theory (Spring)****18 weeks/1 credit**

This Advanced Placement course is a high level study of music theory, composition, and aural skills. Prior participation in an instrumental or vocal performing organization, OR prior private music lessons is strongly encouraged. Participation in the national AP test is a mandatory component in the rigor of this course. **This course does not meet Art Education requirement.**

## English

Course Number	Course Name	Credit	Fee
ENGLISH CORE			
01001G1000	English Grade 9	1.0	
01001H1000	English Grade 9 PreAP, Advanced	1.0	
01002G1000	English Grade 10	1.0	
01002G1000	English Grade 10 PreAP, Advanced	1.0	
01003G1000	English Grade 11	1.0	
01003H1000	English Grade 11 Honors	1.0	
01005H1000	AP English Language and Composition	1.0	\$20 + Exam Fee
04103H1000	American Studies 11 (Integrated Modern US History and Advanced Placement Language and Composition)	2.0	\$20 + Exam Fee
01004G1000	English Grade 12	1.0	
01004H1000	English Grade 12 Honors	1.0	
01006H1000	AP English Literature & Composition	1.0	\$20 + Exam Fee
04158E1000	AP Politics and Literature: Super Seminar	3.0	\$20 + 3 Exam Fees

ENGLISH ELECTIVES			
01151G1000	Public Speaking	0.5	
01008G1000	EL Elective	1.0	
01069G1000	Literature, Mythology and Fable (Myths & Legend)	0.5	\$5
01104G1000	Creative Writing I	1.0	\$20
01104G0500	Creative Writing II (JCHS Literary Magazine—BJHS Literary Magazine in Multimedia Publications)	1.0	\$20
11104X10	Yearbook Fall	1.0	
11104X10aa	Yearbook Spring	1.0	
11104X10ab	School Publications (JCJetStream.com)	1.0	\$20
01099G1000	Innovations/Inquiry Based Learning	1.0	
23992X10	Test Prep ACT Fall	0.5	\$20
23992X10aa	Test Prep ACT Spring	0.5	\$20
23992X10	Test Prep ACT Senior Focus	0.5	\$20
23992X10ab	Test Prep PSAT	0.5	\$20
01068G0000	Reading Lab	1.0	

## ENGLISH

**Graduation requirements:** Four credits to include the equivalent of English 9, English 10, English 11, and English 12.

### English 9

**18 weeks/1 credit**

This course delves into literature (pre-1599) from outside of the United States and the British Isles; however, not all American Literature or British Literature will be excluded. The purpose of this course is to teach students a variety of literacies (critical, digital, language, and research) that will provide a solid foundation for thinking abstractly and appreciating literature. This course satisfies the state requirement for one of the four English credits needed for graduation. The summer reading list is provided in the Spring Semester.

### English 9 PreAP

**18 weeks/1 credit**

#### Honors Credit Awarded

This accelerated paced course focuses on literature (pre-1599) from outside of the United States and the British Isles; however, not all American Literature or British Literature will be excluded. Students will leave this course with a continued preparation level to move into PreAP 10 and then Advanced Placement English Language and Advanced Placement English Literature. English 9 PreAP will continue to build a student's critical, digital, language, and research literacies. Summer reading is required. The summer reading list is provided in the Spring Semester.

### English 10

**18 weeks/1 credit**

#### Prerequisite: English 9

This course spans American Literature and will continue to build on a student's critical, digital, language, and research literacies. This course satisfies the state requirement for one of the four English credits needed for graduation. The summer reading list is provided in the Spring Semester.

### **English 10 PreAP**

**18 weeks/1 credit**

**Prerequisite:** English 9

**Honors Credit Awarded**

This accelerated pace course spans American Literature and will continue to build on a student's critical, digital, language, and research literacies. In addition, students will interact with expository texts frequently. This course provides skills for literary analysis of readings, as well as advanced composition that will prepare students for Advanced Placement English Language or Advanced Placement English Literature. This course satisfies the state requirement for one of the four English credits needed for graduation. The summer reading list is provided in the Spring Semester.

### **English 11**

**18 weeks/1 credit**

**Prerequisite:** English 10

This course spans American Literature and will continue to build on a student's critical, digital, language, and research literacies. Vocabulary expansion, comprehension, and word recognition are emphasized in reading activities. This course coordinates literature, composition, grammar, and vocabulary through representative readings from historical documents, essays, dramas, short stories, and novels of significant American writers. This course fulfills the requirements needed for post-secondary education including college preparation. Summer reading is required. The summer reading list is provided in the Spring Semester.

### **English 11 Honors**

**18 weeks/1 credit**

**Prerequisites:** English 10

**Honors Credit Awarded**

This accelerated pace course spans American Literature and will continue to build on a student's critical, digital, language, and research literacies. Vocabulary expansion, comprehension, and word recognition are emphasized in reading activities. This course coordinates literature, composition, grammar, and vocabulary through representative readings from historical documents, essays, dramas, short stories, and novels of significant American writers. This course fulfills the requirements needed for post-secondary education including college preparation. Summer reading is required. The summer reading list is provided in the Spring Semester.

### **AP English Language and Composition**

**18 weeks/1 credit**

**Prerequisite:** English 10

This course is accelerated in rigor and pace of a college level course. It provides skills for rhetorical analysis of writings, as well as advanced composition (portfolio, essays and on-demand assignments). It is designed for advanced readers and writers who are eager to examine the use of language in depth. Summer reading is required. The summer reading list is provided in the Spring Semester. This course fulfills the English 11 core requirement. **Participation in the national AP test is a mandatory component in the rigor of this course.**

### **American Studies 11 (Integrated Modern US History and Advanced Placement Language and Composition)**

**36 weeks/2 credits**

**Prerequisite:** English 10 and US History 10

**Honors Credit Awarded**

In this integrated class, students consider the ways literature reflects American politics and the human experience as they refine their awareness of language and the writer's craft. They make connections between history and literature while examining the American landscape. Completion of this integrated course will fulfill 11th grade English and History requirements. **Participation in the national AP test is a mandatory component in the rigor of this course.**

### **English 12**

**18 weeks/1 credit**

**Prerequisite:** English 11

This course is a survey of classical British Literature from the Anglo-Saxon period to the Modern Age. In addition, students will explore and analyze expository text and engage in critical listening, speaking, reading, and writing activities designed to integrate the strands of the language arts and further develop thinking and problem-solving abilities. This course fulfills the requirements needed for post-secondary education including college preparation. Summer reading is required. The summer reading list is provided in the Spring Semester.

## English 12 Honors

18 weeks/1 credit

Prerequisite: English 11

Honors Credit Awarded

This accelerated pace course covers a survey of British Literature from the Anglo-Saxon period to the Modern Age. Students will engage in critical listening, speaking, reading, and writing activities with a strong emphasis on analysis. This course fulfills the requirements needed for post-secondary education including college preparation. Summer reading is required. The summer reading list is provided in the Spring Semester.

## AP English Literature and Composition

18 weeks/1 credit

Prerequisite: English 11, or Honors English 11 or AP Language and Composition

The AP English Literature and Composition course is intended to give you the experience of a typical introductory college level literature course. It includes intensive study of representative works from various genres, periods, and cultures. Skills you'll learn: how to read a text closely and draw conclusions from details; how to identify the techniques used by an author and their effects; how to develop an interpretation of a text; and how to present your interpretation and make an argument for it in writing. Summer reading and summer reading assignment is required. The summer reading list is provided in the Spring Semester. This course fulfills the English 12 core requirement.

**Participation in the national AP test is a mandatory component in the rigor of this course.**



## AP Politics and Literature (AP Comparative Government, AP Government, & AP Literature & Composition)

36 weeks/3 credits

Prerequisite: English 11 or AP Language and Composition and US History II

This integrated experience combines 3 Advanced Placement classes so that highly motivated students can develop a critical perspective on government and politics within the United States and explore the rich diversity of political life outside the United States, all while developing skills necessary for analysis of literature and advanced composition to communicate their ideas effectively. Students will develop an understanding of political science concepts and theories as they apply critical thinking skills to interpret and analyze the American political system, as well as political systems across the globe. They will specifically examine six selected countries: Great Britain, Mexico, Russia, Iran, China and Nigeria. This course will provide students with an understanding of how governments solve problems they have in common by comparing the effectiveness of governmental approaches. Summer reading is required, the summer reading list is provided in the spring semester. **Participation in 3 national AP tests is a mandatory component in the rigor of this course.**

## ENGLISH ELECTIVES

### Public Speaking

9 weeks/ 0.5 credit

This course will provide a basic overview of the communications process and provide students with an opportunity to begin developing public speaking skills. Persuasive, informative and expository speeches will be delivered. Short units on interview techniques, debate procedures and stage guidelines will be included.

### Literature, Mythology and Fable (Myth and Legend)

9 weeks/0.5 credit

This class will offer students an opportunity to study world cultures through mythology, folklore, and legends. This class will not only include classical mythology but also multicultural folk literature from such areas as African American, Native American, the Orient, and others. Local legend and folklore will be highlighted through story telling from the community.

### Creative Writing I

18 weeks/1 credit

Students will study and write in the following genres: poetry, prose, creative nonfiction, theatre, journalism, comics, television, and film. They will also employ graphic design principles in the creation of multimedia and web design projects. They will submit their final portfolios for literary magazine consideration and participate in a variety of writing contests.

## **Creative Writing II (Literary Magazine)**

**18 weeks/1 credit**

### **Prerequisite: Creative Writing**

This course engages students in becoming skilled writers of fiction, poetry, creative non-fiction, and screenplay. Students will develop writing techniques which will enhance structure, syntax, diction, characters, setting, and basic plot. Students will investigate publication opportunities as well as possible career avenues in fields of writing. Students will further their writing through self-reflection and workshops with published authors. Students will create, contribute, and publish the James Clemens Literary Magazine. **Bob Jones Literary Magazine is created and published through the Multimedia Publications course: number 410017.**



## **School Publications (JCJetStream.com)**

**18 weeks/1 credit**

### **Prerequisite: teacher approval**

Students create, design, and publish the school's online student "newspaper," entitled Jet Stream (jcjetstream.com). Students will use industry-standard web-based tools to create and publish custom content including opinion articles, school culture pieces, global news stories, student spotlights, and many other types of content geared toward student expression and life. Requirements for becoming a staff member are as follows: fill out an application, obtain two recommendations (one of which must be a recent English teacher).

## **Yearbook Fall**

## **Yearbook Spring**

**Each 18 weeks/1 credit**

### **Prerequisite: Teacher Approval & Application Process**

In this course, students create, publish, and market the school's yearbook. Yearbook staff members learn and use various publishing tools such as Adobe InDesign and PhotoShop; conduct interviews of students and faculty; take pictures at school events; write journalistic style articles; work under established deadlines; sell ads to local businesses; and create promotional campaigns. Because the school yearbook is a costly undertaking affecting the entire student body, staff members may be required to stay after school on occasion in order to complete deadlines. Requirements for becoming a staff member are as follows: fill out an application, be interviewed by the advisor and present staff, and obtain two recommendations (one of which should be the present English teacher), and possess a B or better in English. Students are highly encouraged to take both fall and spring courses.

## **Innovations/Inquiry-Based Learning Class**

**18 weeks/1 credit**

Innovations is a project-based learning environment where students explore, create, partner, and produce both individually and in groups. Collaboration with business and industry partners will be at the heart of this class as students identify and pursue projects that are relevant to the community and will make an impact on society. Innovations allows students to pursue their own academic and research interests, enabling students to play a significant role in identifying innovative opportunities. Projects that students pursue in this class must contain evidence from the Alabama Courses of Study; exploration into content areas may be different for each student.

## **Test Prep: ACT**

**9 weeks/0.5 credit**

### **Prerequisite: Geometry**

This open enrollment course provides all students with necessary test-taking skills and content knowledge to improve their ACT scores and will include diagnostic testing, direct instruction, and practice tests of ACT. Recommend course pairing with Career Preparedness B (Grade 10).

## **Test Prep ACT Senior Focus**

**Fall semester 1st 9 weeks/0.5 credit**

This course is designated for seniors who need to build test taking skills prior to the senior October administration of the ACT.

## **Test Prep PSAT**

**Fall semester/1st 9 weeks/0.5 credit**

### **By invitation only**

This course is designated for incoming 10th graders and other 11th graders who have shown National Merit potential by scoring in the 85th or above percentile on their last PSAT. It will be targeted to assisting these students in pursuing National Merit distinction.

## Reading Lab

18 weeks/1 credit

Reading lab delivers highly concentrated core curriculum to strengthen skills such as reading literature, reading informational text, writing, speaking and listening, and language. This course does not fulfill any of the four English credits required for graduation.

## EL Elective

18 weeks/1 credit

Content-based English acquisition instruction. This course will count as an elective credit for active English Learner students. It is designed for ELs who need individualized support in 4 ELD domains based on their WIDA level.

# Health, Physical Education, Driver's Ed

Course Number	Course Name	Credit	Fee
Health, Physical Education, Driver's Ed			
08051G0500	Health	0.5	
08152G05	Driver and Traffic Safety Education (Fall)	0.5	\$30
08152G05aa	Driver and Traffic Safety Education (Spring)	0.5	\$30
08017G1000	Beginning Kinesiology	1.0	uniform fee
08019G1000	Sports Officiating Certification	1.0	TBD

## HEALTH, PHYSICAL EDUCATION & DRIVER'S ED

**Graduation requirements:** One credit Beginning Kinesiology (or an equivalent) and ½ credit of Health (or an equivalent). Check with your school for athletic PE specific course numbers.

### Health

9 weeks/0.5 credit

The course will consider the relationship between lifestyle health-related issues, including sexual responsibility, family issues, mental health, and personal safety. In addition, an application of proper nutrition, weight control, fitness, stress management, tobacco, drug and alcohol abuse, and emergency care (CPR) will be presented. This required course is primarily for tenth graders. It should be paired with another 0.5 credit course. **Note: Foundations of Health Science is a substitute for this course.**

### Driver and Traffic Safety Education

9 weeks/0.5 credit

Driver's Ed is a 0.5 credit elective for students who will be 15 years of age before taking the course. Students must have their learner's permit prior to the first day of class or will be rescheduled and assessed a \$20 scheduling change fee. **The learner's permit is required the first day of class.**

### Beginning Kinesiology

18 weeks/1 credit

The focus of this state required course is health enhancing physical activity. Beginning Kinesiology provides the knowledge for a lifetime of healthy living. Through this course students learn to apply the various aspects of fitness and to assess their own fitness levels. Students are required to develop and maintain an individual level of fitness that forms the foundation for a healthy future. This course provides students with the knowledge and ability to construct and implement a lifelong plan for physical activity. Students will use a variety of health enhancing physical activities as the vehicle for reinforcing and applying fitness components and principles. This course satisfies the physical education requirement.



**Sports Officiating Certification****18 weeks/1 credit****Prerequisite: Beginning Kinesiology**

Students must be age 16 or older, or turn age 16 during the school year. This course is an elective that focuses on the professional philosophy and requirements for officiating sports for athletic contests. This course will cover officiating football, basketball, wrestling, volleyball, soccer, baseball, track and field, and softball. Upon completion of the course students will be afforded the option to take certification exams for any of the sport components and become a restricted certified official with the Alabama High School Athletic Association at the middle/junior high school level.

# Math

Course Number	Course Name	Credit	Fee
MATH CORE			
02073G1000	Geometry with Data Analysis	1.0	
02996G10aa	Geometry with Data Analysis Workshop	1.0	
02073H1000	Geometry with Data Analysis PreAP Honors	1.0	
02073E1000	Geometry with Data Analysis PreAP (Math Team) Honors	1.0	
02052G1000	Algebra I with Probability	1.0	
02996G1000	Algebra I with Probability Workshop	1.0	
02155G1000	Algebra with Finance	1.0	
02056G1000	Algebra II with Statistics	1.0	
02996G10ab	Algebra II with Statistics Workshop	1.0	
02056H1000	Algebra II with Statistics Honors	1.0	
02056E1000	Algebra II with Statistics (Math Team) Honors	1.0	
02136G1000	Applications of Finite Mathematics	1.0	
02137G1000	Mathematical Modeling	1.0	
02110G1000	Precalculus Honors	1.0	
02999G1001	AP Precalculus (Math Team)	1.0	\$20 + Exam Fee
	AP Precalculus	1.0	\$20 + Exam Fee
02121G1000	Calculus A Honors	1.0	
02124E1000	AP Calculus AB	1.0	\$20 + Exam Fee
02125E1000	AP Calculus BC	1.0	\$20 + Exam Fee
02203E1000	AP Statistics	1.0	\$10 + Exam Fee
02996G0000	Math Lab	1.0	
02153G1001	Career Mathematics	1.0	

## MATH

### Graduation requirements

Option A: Four credits to include Geometry with Data Analysis, Algebra I with Probability (unless Accelerated Math 7 & 8 is taken during middle school), Algebra II with Statistics and any courses marked with an asterisk below to make 4 math credits.

Option B: Two credits to include Geometry with Data Analysis, Algebra I with Probability (unless 7th and 8th accelerated were taken) or Algebra II with Statistics (if 7th and 8th accelerated were taken)

### Math Lab

#### 18 weeks/1.0 credit

This course is designed for students who need support with math-related topics such as properties of number systems, algebraic thinking, and geometry. Students will receive individualized help on the concepts and skills that they need to successfully complete their math course. It is recommended that this course be taken in conjunction with a required math course. This course does not fulfill any of the four math credits required for graduation.

### Algebra I with Probability

#### 18 weeks/1 credit

#### Corequisite: Geometry with Data Analysis

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.

### Algebra I with Probability Workshop

#### 18 weeks/1 credit

#### Corequisite: Algebra I with Probability

The math lab provides instructional support for students in the Algebra I with Probability course. Students will complete a curriculum that provides instruction on foundational math skills necessary for success in the Algebra I with Probability course. Students completing the course will earn an elective credit. **This course does not fulfill any of the four math credits required for graduation.**

### Geometry with Data Analysis

#### 18 weeks/1 credit

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.

### Geometry with Data Analysis Workshop

#### 18 weeks/1 credit

#### Corequisite: Geometry with Data Analysis

The math lab provides instructional support for students in the Geometry with Data Analysis course. Students will complete a curriculum that provides instruction on foundational math skills necessary for success in the Geometry with Data Analysis course. Students completing the course will earn an elective credit. **This course does not fulfill any of the four math credits required for graduation.**

### Geometry with Data Analysis PreAP

#### 18 weeks/1 credit

#### Honors Credit Awarded

In Geometry with Data Analysis PreAP 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.

### Geometry PreAP (Math Team) (Honors)

#### 18 weeks/1 credit

#### Honors Credit Awarded

Geometry PreAP Math Team is based on the Alabama College and Career Ready Standards for Geometry. This course places a higher emphasis on advanced Algebra 1 concepts and solving real world problems by applying geometric concepts in modeling situations. Additional material is also covered in preparation for math tournaments. Because of the additional material and increased rigor, this course will have a faster pace than Geometry. A calculator with trigonometric functionality is encouraged.

**\*Algebra with Finance****18 weeks/1 credit****Prerequisite: Algebra II with Statistics**

Algebra with Finance is a college and career preparatory course that integrates algebra, precalculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics that are taught at a higher level. This course may be used as the fourth math credit required for graduation.

**Algebra II with Statistics****18 weeks/1 credit****Prerequisite: Geometry or Geometry with Data Analysis and Algebra I or Algebra I with Probability or Accelerated Math 7 & 8**

Provides a more in-depth treatment of algebraic concepts presented in Algebra 1 while introducing several higher-level topics. Quadratic equations function graphing, systems of equations and inequalities, and trigonometry are topics expanded in this course. Complex numbers, exponential and logarithmic functions, and matrices are introduced. Statistics focuses on inferential statistics, which allows students to draw conclusions about populations and cause-and-effect based on random samples and controlled experiments.

**Algebra II with Statistics Workshop****18 weeks/1 credit****Corequisite: Algebra II with Statistics**

The math lab provides instructional support for students in the Algebra II with Statistics course. Students will complete a curriculum that provides instruction on foundational math skills necessary for success in the Algebra II with Statistics course. Students completing the course will earn an elective credit. **This course does not fulfill any of the four math credits required for graduation.**

**Algebra II with Statistics Honors****18 weeks/1 credit****Prerequisite: Geometry or Geometry with Data Analysis and Algebra I or Algebra I with Probability or Accelerated Math 7 & 8****Honors Credit Awarded**

Covers quadratic equations, function graphing, systems of equations and inequalities, and trigonometry. Sequences and series, complex numbers, exponential and logarithmic functions, and matrices are introduced. Statistics focuses on inferential statistics, which allows students to draw conclusions about populations and cause-and-effect based on random samples and controlled experiments. Graphing calculator use is recommended. Projects and presentations may be included in this course.

**Algebra II with Statistics Honors (Math Team)****18 weeks/1 credit****Prerequisite: Geometry or Geometry with Data Analysis and Algebra I or Algebra I with Probability or Accelerated Math 7 & 8****Honors Credit Awarded**

Algebra II with Statistics Honors Math Team is based on the Alabama College and Career Ready Standards for Algebra II with Statistics. The course covers quadratic equations, function graphing, systems of equations and inequalities, and trigonometry. Sequences and series, complex numbers, exponential and logarithmic functions, and matrices are introduced. Statistics focuses on inferential statistics, which allows students to draw conclusions about populations and cause-and-effect based on random samples and controlled experiments. Additional material is also covered in preparation for math tournaments. Graphing calculator use is recommended. Projects and presentations may be included in this course.

**\*Applications of Finite Mathematics****18 weeks/1 credit****Prerequisite: Algebra II with Statistics**

Applications of Finite Mathematics is 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.

### **\*Mathematical Modeling**

**18 weeks/1 credit**

**Prerequisite:** Algebra II with Statistics

Mathematical Modeling is developed to expand on and reinforce the concepts introduced in Geometry, Algebra I, and Algebra II 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. **Note: Students may not receive credit for both Mathematical Modeling and Algebra with Finance, as Mathematical Modeling includes mathematics content that also appears in the Algebra with Finance course.**

### **\*Precalculus Honors**

**18 weeks/1 credit**

**Prerequisite:** Algebra II with Statistics or Discrete Math

**Honors Credit Awarded**

This is a college-preparatory course with a rigorous intensity and pace intended for highly motivated students who have successfully completed Algebra II with Trigonometry. A variety of topics are reviewed and expanded upon, including trigonometry, complex numbers, functions, graphing and logarithms. Many topics are combined to explore new areas such as polar coordinates, polar graphing, conic sections, vectors, matrices, polynomial theory and induction proofs. Graphing is studied in-depth to determine properties of functions. Limits and derivatives are introduced. Many other areas are covered to give the college-bound student a basis for calculus. Graphing calculator use is encouraged.

### **AP Precalculus (Math Team)**

**18 weeks/1 credit**

**Prerequisite:** Algebra II with Trigonometry, Algebra II with Statistics or Discrete Math Honors Credit Awarded

Precalculus Honors Math Team is based on the Alabama College and Career Ready Standards for Precalculus. This is a college-preparatory course with a rigorous intensity and pace intended for highly motivated students who have successfully completed Algebra II with Trigonometry. A variety of topics are reviewed and expanded upon, including trigonometry, complex numbers, functions, graphing and logarithms. Many topics are combined to explore new areas such as polar coordinates, polar graphing, conic sections, vectors, matrices, polynomial theory and induction proofs. Graphing is studied in-depth to determine properties of functions. Limits and derivatives are introduced. Many other areas are covered to give the college-bound student a basis for calculus and preparation for math tournaments. Graphing calculator use is encouraged.

### **AP Precalculus**

**18 weeks/1 credit**

**Prerequisite:** Algebra II with Statistics

This Advanced Placement course is accelerated in rigor and pace. AP Precalculus centers on functions modeling dynamic phenomena. This research-based exploration of functions is designed to better prepare students for college-level calculus and provide grounding for other mathematics and science courses. In this course, students study a broad spectrum of function types that are foundational for careers in mathematics, physics, biology, health science, social science, and data science. Students are encouraged to provide graphing calculators for use in this course. College credit at most universities may be earned for Precalculus by scoring a 3, 4, or 5 on the AP Precalculus Exam. Participation in the national AP test is a mandatory component in the rigor of this course.

### **\*Calculus A (Honors)**

**18 weeks/1 credit**

**Prerequisite:** Precalculus

**Honors Credit Awarded**

Calculus A (Honors) is the beginning calculus for students who have completed Precalculus. This course is an in-depth study of elementary functions, limits, and differential calculus. Some topics of integration are also introduced. A graphing calculator is encouraged.

**\*AP Calculus AB–Spring****18 weeks/1 credit****Prerequisite: Calculus A**

This Advanced Placement course is accelerated in rigor and pace. Advanced Placement (AP) Calculus AB is a continuation of Calculus A. The primary focus of the course is preparing students for the AP Calculus AB exam. Topics covered include transcendental functions, techniques of integration, and applications of integration. Also, the material from Calculus A will be reviewed extensively in preparation for the AB exam. Students are encouraged to provide graphing calculators for use in this course. **Calculus A should be taken in the fall of the school year that a student is taking AP Calculus AB.** College credit at most universities may be earned for Calculus I by scoring a 3, 4, or 5 on the AP Calculus AB Exam. **Participation in the national AP test is a mandatory component in the rigor of this course.**

**\*AP Calculus BC–Spring****18 weeks/1 credit****Prerequisite: Calculus A**

This Advanced Placement course is accelerated in rigor and pace. Advanced Placement (AP) Calculus BC is a continuation of Calculus A. The primary focus of the course is preparing students for the AP Calculus BC exam. Topics covered include transcendental functions, techniques of integration, applications of integration, and infinite series. Also, the material from Calculus A will be reviewed extensively in preparation for the BC exam. Students are encouraged to provide graphing calculators for use in this course. Calculus A should be taken in the fall of the school year that a student is taking AP Calculus BC. College credit at most universities may be earned for Calculus I and II by scoring a 3, 4 or 5 on the AP Calculus BC Exam. **Participation in the national AP test is a mandatory component in the rigor of this course.**

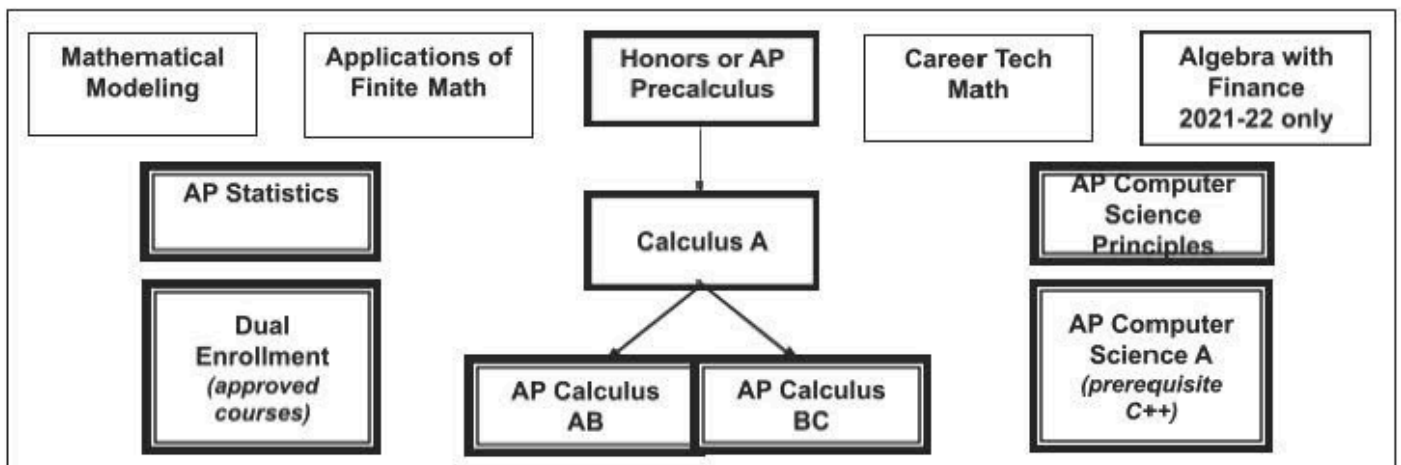
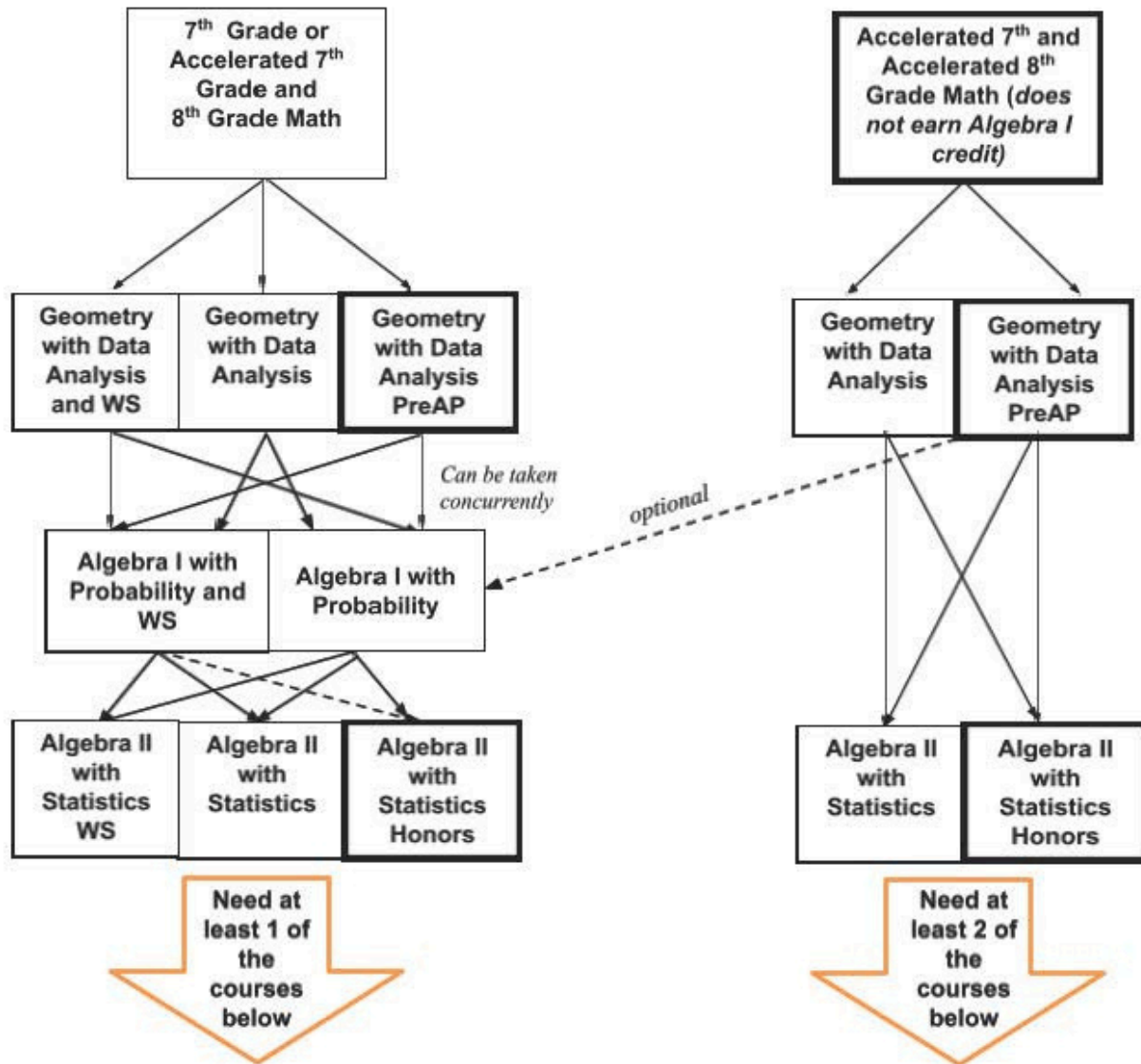
**\*AP Statistics****18 weeks/1 credit****Prerequisite: Algebra II with Statistics**

This Advanced Placement course is accelerated in rigor and pace. This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four conceptual themes: observing patterns by exploring data, deciding what and how to measure in planning study, producing models using probability theory and simulation, and making statistical inferences from models. Students should expect an intensive course requiring the use of a graphing calculator. There will be applications of concepts through written work. A TI-83, TI-84 or NSPIRE will be utilized in this course. **Participation in the national AP test is a mandatory component in the rigor of this course.**

**\*Career Mathematics****18 weeks/1 credit**

A one credit course that provides students with the foundational knowledge and procedures needed to apply mathematic concepts in a career setting. Emphasis is placed on applied problems in the areas of algebra, geometry, measurement, and probability and statistics. This course does not meet NCAA requirements.

## High School Math Course Progression



A minimum grade of 80 in the previous course is suggested when progressing to a PreAP or AP course, but not required. PreAP courses have thick borders around the course title, and AP courses have double borders.

# Science

SCIENCE CORE			
Course Number	Course Description	Credit	Fee
03159G1000	Physical Science	1.0	\$5
03051G1000	Biology	1.0	\$10
03051H1000	Biology PreAP Honors	1.0	\$10
03056E1000	AP Biology	1.0	\$20 + AP Exam Fee
14252G1001	Introduction to Biotechnology(formerly Genetics) Honors	1.0	\$20
03207E1000	Environmental Science	1.0	\$10
03207E1000	AP Environmental Science	1.0	\$20 + Exam Fee
03008G1000	Earth and Space	1.0	\$10
03101H1000	Chemistry PreAP Honors	1.0	\$20
03101G1000	Chemistry I	1.0	\$20
03149G1000	Chemistry II	1.0	\$20
03106E1000	AP Chemistry	1.0	\$20 + Exam Fee
15055G1000	Forensic Science and Crime Scene Investigation	1.0	\$15
03049G1000	Astronomy	1.0	\$5
03151G1000	Physics	1.0	\$10
03165E1000	AP Physics I: Algebra Based	1.0	\$20 + Exam Fee
03164E1000	AP Physics C: Mechanics	1.0	\$20 + Exam Fee
03163E1000	AP Physics C: Electricity / Magnetism	1.0	\$20 + Exam Fee
14299G1001	Human Body Structures and Functions (Human Anatomy & Physiology) Honors	1.0	\$20
03999G1000	Molecular Biology Honors	1.0	\$20

## SCIENCE

**Graduation Requirements:** Four credits to include Biology and a Physical Science (i.e. Physical Science, Chemistry, Physics). The third and fourth science credits may be used to meet both the science and the CTE course requirement and must be chosen from the Alabama Course of Study: Science or CTE/AP/IB equivalent courses.

### Physical Science

**18 weeks/1 credit**

Surveys concepts taught in chemistry and physics requires basic math skills, prepares the student for continued study in science and meets the physical science graduation requirement and is recommended for students going through Algebra 1A and 1B to help better prepare them for Chemistry.

## **Biology**

**18 weeks/1 credit**

### **Required for graduation**

Biology introduces students to the vast diversity of organisms and the characteristics that define life. Units include biodiversity, cells, interdependence, genetics, and evolution. Inquiry based laboratory work is required.

## **Biology PreAP**

**18 weeks/1 credit**

### **Honors Credit Awarded**

This is an accelerated course designed to prepare students for Advanced Placement Biology. The curriculum is compacted to provide more time for the in-depth study of current topics and presentation of additional topics not usually found in the regular classroom. Students taking Biology PreAP should realize that there is an obligation to do enrichment work outside the classroom, both in individual studies and in group work. Students should be self-motivated and self-starters. This course meets the biology graduation requirement.

## **AP Biology**

**18 weeks/1 credit/**

### **Prerequisite: Molecular Biology**

This course encourages students to cultivate a deeper understanding of biology through inquiry-based investigations. Concepts of genetics, macroevolution, microevolution, taxonomy, and ecology will be explored. **Participation in national AP test is a mandatory component in the rigor of this course.**

## **Introduction to Biotechnology (Genetics)**

**18 weeks/1 credit**

### **Honors Credit Awarded Prerequisite: Biology and Chemistry**

This course focuses on Mendelian genetics, gene structure and function, inheritance patterns, genetic abnormalities, biotechnology, and the Human Genome Project. Case studies in biotechnology and scenarios in bioethics help students understand the implications and complicated issues that are emerging as the science of genetics continues to develop.

## **Environmental Science**

**18 weeks/1 credit**

### **Prerequisite: Chemistry or Physical Science**

Focuses on the study of ecological principles and their application to field studies and human interaction. Students will learn how certain current trends, such as population growth, water pollution, and depletion of natural resources affect the ability of the human population to sustain itself. Ways to modify these trends to benefit civilization is also strongly emphasized.

## **AP Environmental Science**

**18 weeks/1 credit**

### **Prerequisite: Biology and Chemistry**

This is a course that provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. **Participation in national AP test is a mandatory component in the rigor of this course.**

## **Earth and Space**

**18 weeks/1 credit**

### **Prerequisite: Biology and a physical science**

Earth and Space Science is based on the Earth and space science domain, with content focused on our ever-changing planet and its weather, Earth's place in the universe, and the integration of its constantly evolving systems. Content also includes historical perspectives on the universe and Alabama's contributions to space exploration.



## **Chemistry I**

**18 weeks/1 credit**

**Prerequisite:** Algebra I with Probability or Geometry with Data Analysis

**Corequisite:** Algebra I with Probability

This course focuses on the composition, structure, and behavior of matter. Due to the emphasis on advanced problem-solving, incorporating algebraic skills, it is highly recommended that students have earned a “B” or higher average in Algebra I before taking this course. It has generally been noted that students who have not yet taken Algebra I struggle more with the mathematical applications in Chemistry. It is recommended that students first take physical science while building their foundational skills.

## **Chemistry I PreAP**

**18 weeks/1 credit**

**Honors Credit Awarded**

**Prerequisite:** Biology

**Corequisite:** Algebra II with Statistics

This is an accelerated course designed to prepare students for success in Advanced Placement Chemistry. This class is designed to foster independent learning, good study habits, and critical thinking. The course covers the content described in the Alabama Course of Study and also includes organic chemistry, analytical chemistry techniques, and colligative properties. This course involves a great deal of mathematical thinking and problem solving. Students are expected to do a great deal of independent study and come to class prepared to discuss, practice and ask questions.

## **Chemistry II**

**18 weeks/1 credit**

**Prerequisite:** Biology and Chemistry I

Focuses on organic chemistry, biochemistry, and the relevance of these subjects to everyday life. Emphasis is placed on laboratory investigations and scientific inquiry activities. Math skills required prior to this course include dimensional analysis, significant figures, calculations with scientific notation, reaction and solution stoichiometry, percentage error, percentage yield, and logarithms.

## **AP Chemistry**

**18 weeks/1 credit**

**Prerequisite:** Chemistry PreAP or Chemistry I

**Corequisite:** Algebra II with Trigonometry or Algebra II with Statistics

This course is the equivalent of the first two inorganic college chemistry classes. Topics such as the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, and the basic concepts of thermodynamics are presented in considerable depth. Students are expected to do a great deal of independent study and come to class prepared to discuss, practice and ask questions. Optional practice and resources are provided to all students to encourage students to do the work necessary to be successful in the class. Lab work is an integral part of the course. Chemistry topics stipulated by the College Board will be covered in depth and detail. For additional information, visit College Board’s class description. Participation in national AP test is a mandatory component in the rigor of this course.

## **Forensic Science and Crime Scene Investigations**

**18 weeks/1 credit**

**Prerequisite:** Biology and a physical science to include Physical Science, Chemistry, or Physics.

A project-based course that explores the science of crime scene analysis with real-life application of Biology, Chemistry, Anatomy and Physics. Students will solve high level problems, process and manage crime scenes, and collect and analyze fingerprints, impressions, ballistics, blood spatter, and handwriting. Students will also study forensic anthropology, forensic odontology, forensic entomology, autopsy, forensic pathology, forensic toxicology, DNA, and multiple famous case studies.

## **Astronomy**

**18 weeks/1 credit**

**Prerequisite:** Biology and a physical science to include Physical Science, Chemistry, or Physics.

This course will focus on characteristics and life cycles of stars, formation of the solar system, comparison of planets, orientation and placement of the Earth in the Milky Way galaxy, formation of galaxies, and theories about the formation of the universe.

## **Physics**

**18 weeks/1 credit**

**Prerequisite:** Chemistry I and Algebra II with Statistics

This science explores the relationship between matter and energy. A strong background in math is recommended.

## **Advanced Placement Physics I**

**18 weeks/1 credit**

**Prerequisite:** Chemistry I and Algebra II with Statistics

**Corequisite:** Precalculus

This course is designed to teach the concepts from the Algebra-Based Advanced Placement Physics 1. This course focuses on the big ideas of physics, which encompass core scientific principles, theories, and processes of the discipline. The framework encourages instruction that allows students to make connections across domains through a broader way of thinking about the physical world. This is an accelerated paced course taught on a high math level designed to prepare students to move onto AP Physics C Mechanics or Electricity & Magnetism. A strong background in math is recommended. Participation in national AP test is a mandatory component in the rigor of this course. This course will prepare students to take the AP Physics 1 exam.

## **AP Physics C: Mechanics**

**18 weeks/1 credit**

**Prerequisite:** Physics or AP Physics 1

**Corequisite:** Calculus A (Honors)

This is a calculus-based physics course equivalent to engineering college physics. Topics include: motion, forces, energy, rotation, gravitation, and oscillations. Calculus will be used freely in formulating principles and in solving problems. It is recommended that Calculus PreAP be taken before this course or simultaneously. Participation in national AP test is a mandatory component in the rigor of this course.

## **AP Physics C: Electricity and Magnetism**

**18 weeks/1 credit**

**Prerequisite:** Precalculus and either Physics or AP Physics 1

**Corequisite:** Calculus A (Honors)

This is a calculus-based physics course equivalent to engineering college physics. Topics include: electric fields, Gauss's Law, electrical potential, capacitance, DC and AC circuits, magnetic fields, Faraday's Law, and inductance. Calculus will be used freely in formulating principles and in solving problems. It is recommended that Calculus PreAP be taken before this course or simultaneously. Participation in national AP test is a mandatory component in the rigor of this course.

## **Human Body Structures and Functions (Human Anatomy & Physiology)**

**18 weeks/1 credit**

**Prerequisite:** Biology or Biology PreAP

**Corequisite:** Chemistry

**Honors Credit Awarded**

Prepares students for biomedical, nursing, and other health-related careers, and is a prerequisite for Health Science Internship: organized to follow a logical sequence of the ten systems of the human body with emphasis on diseases and disorders. Laboratory dissection includes anatomical study of a mammal.

## **Science Electives**

### **Molecular Biology**

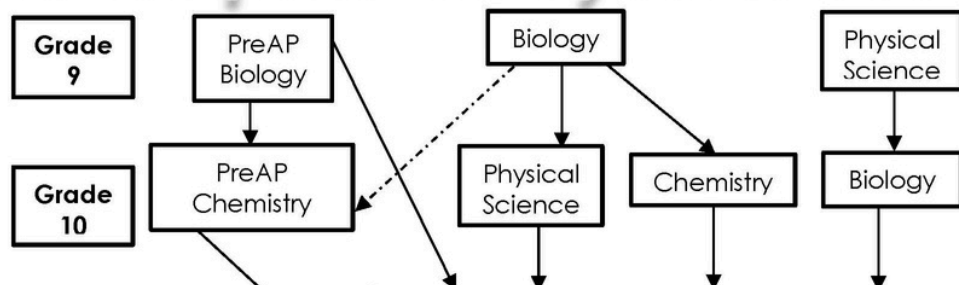
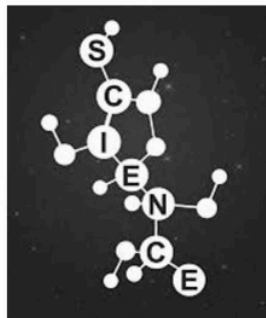
**18 weeks/1 credit**

**Honors Credit Awarded Prerequisite:** Biology

**Corequisite or Prerequisite:** Chemistry I PreAP or Chemistry I

This course encourages students to cultivate a deeper understanding of biology through inquiry-based investigations. Concepts of biochemistry, cellular organization, cellular processes, bioenergetics, cell communication and genetics will be explored. This course does not meet the science education requirement.

# Which science path will you take?



This chart only shows some of the possible paths for courses.  
**Consult the Curriculum Handbook for additional prerequisites.**

## Students must take:

- 1 Biology or 1 Pre-AP Biology
- 1 physical science  
(Physical Science, Chemistry, or Pre-AP Chemistry)
- 2 additional sciences

## Lots of Choices:

**Grades 10 – 12**

Astronomy  
Chemistry  
Environmental Science  
Marine Science  
★ Chemistry II  
★ Forensics  
★ Genetics  
★ Human Body Structures and Functions  
★ Physics  
★ Molecular Biology + AP Biology  
★ AP Chemistry  
★ AP Environmental Science  
★ AP Physics 1 (trigonometry based)  
⌘ AP Physics C: Mechanics (calculus based)  
⌘ AP Physics C: E&M (after AP Phys C: Mech)

## Prerequisites:

★ = Chemistry  
⌘ = Physics **OR** AP Physics 1

Graduation Requirements:		Prerequisites
Choose 1	Biology	
	PreAP Biology	
Choose 1	Physical Science	
	Chemistry	Prereq: Algebra I or Geometry with Data Analysis; Coreq: Algebra I with Probability
	PreAP Chemistry	Algebra II/Trig or Algebra II/ Stats (can be concurrent)
Choose 2	Astronomy	Physical Science or Chemistry
	Marine Science	
	Environmental Science	
	Chemistry	Prereq: Algebra I or Geometry with Data Analysis; Coreq: Algebra I with Probability
	Chemistry II	Chemistry
	Forensics	Chemistry
	Genetics	Chemistry
	Human Body Structures and Functions	Chemistry
	Physics	Chemistry, Algebra II/Trig or Algebra II/ Stats
	AP Environmental Science	Chemistry
	AP Chemistry	Chemistry or Pre-AP Chem, Algebra II/Trig or Algebra II/Stats
	AP Physics 1	Chemistry or Pre-AP Chem, Algebra II/Trig or Algebra II/Stats
	Molecular Biology with AP Biology (1 semester each, 1 credit each)	Chemistry
	AP Physics C: Mechanics	Physics or AP Physics 1, Calculus recommended
	AP Physics C: Electricity & Magnetism	Physics or AP Physics 1, Precalculus and either Physics or AP Physics 1, Calculus recommended *typically taken after Mechanics

# Social Science

SOCIAL SCIENCE CORE			
Course Number	Course Name	Credit	Fee
04053G1000	World History: 1500 to Present Grade 9	1.0	
04057E1000	AP World History 1200 to Present Grade 9	1.0	\$30 + Exam Fee
04102G1000	United States History I: Beginnings to the Industrial Revolution (Grade 10 Course)	1.0	
04103G1000	United States History II: the Industrial Revolution to the Present (Grade 11 Course)	1.0	
04103H1000	American Studies 11 (Integrated Modern US History and Advanced Placement Language and Composition)	2.0	\$20 + Exam Fee
04104E1000	AP US History (fall) AP US History (spring)	2.0	\$30 + Exam Fee
04151G0500	US Government	0.5	
04158E1000 04202E1000 01006E1000	AP Politics and Literature: Super Seminar	3.0	\$20 + (3) Exam Fees
04201G0500	Economics	0.5	
04157E1000	AP US Government and Politics	1.0	\$20 + Exam Fee
04202E1000	AP Macroeconomics	1.0	\$10 + Exam Fee
04158E1000	AP Comparative Government	1.0	Exam Fee

SOCIAL SCIENCE ELECTIVES			
Course Number	Course Description	Credit	Fee
04258G1000	Sociology	1.0	
04254G1000	Psychology	1.0	
04064G1000	Contemporary World Issues & Civic Engagement	1.0	
04256E1000	AP Psychology	1.0	\$20 + Exam Fee
04004E1000	AP Human Geography	1.0	\$20 + Exam Fee
04056E1000	AP European History	1.0	\$20 + Exam Fee
22110E1000	AP Seminar	1.0	Exam Fee
22112E1000	AP Research	1.0	Exam Fee
22107X1000	Peer Helpers (Student 2 Student)	1.0	\$20
22051X1000	Student Aide**	1.0	
22994X1001	Student Leadership**	1.0	

\*\*Denotes teacher approval required.

### SOCIAL SCIENCES

**Graduation requirements:** Four credits to include the equivalents of World History and Geography, US History I: Beginnings to the Industrial Revolution, US History II: the Industrial Revolution to the Present, Government and Economics.

#### **World History: 1500 to Present (Grade 9 Course)**

**18 weeks/1 credit**

World History is a survey course with added emphasis on the geographic impact of events. The course also highlights the causes and consequences of world events as they relate to the modern world.

#### **AP World History: 1200 to Present (Grade 9 Course)**

**18 weeks/1 credit**

**Recommended B or above in prior Social Sciences courses. Summer assignment required.**

Accelerated in rigor and pace, this course develops a greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. Strong reading comprehension and critical thinking skills will be tested by essay writing, document analysis and outside reading assignments. Summer assignment is required. **Participation in national AP test is a mandatory component in the rigor of this course.**

#### **United States History I: Beginnings to the Industrial Revolution (Grade 10 Course)**

**18 weeks/1 credit**

**Prerequisite: World History: 1500 to Present**

Studies critical issues and events in United States history from Colonial America through 1900. Studies will include the changing social, political, economic, and cultural forces at work within the nation.

## **United States History II: the Industrial Revolution to the Present (Grade 11 Course)**

**18 weeks/1 credit**

**Prerequisite:** United States History I

Studies critical issues and events in United States history from the 1900's to present day America. Studies will include the changing social, political, economic, and cultural forces at work within the nation.

## **American Studies 11 (Integrated Modern US History and Advanced Placement Language and Composition)**

**36 weeks/2 credits**

**Prerequisite:** English 10 and US History 10 Honors Credit Awarded

In this integrated class, students consider the ways literature reflects American politics and the human experience as they refine their awareness of language and the writer's craft. They make connections between history and literature while examining the American landscape. Completion of this integrated course will fulfill 11th grade English and History requirements. **Participation in the national AP test is a mandatory component in the rigor of this course.**

## **AP US History– Fall/Spring**

**36 weeks/2 credits**

**Prerequisite:** World History; recommended B or above in prior Social Sciences courses. Summer assignment is required.

Accelerated in rigor and pace, emphasis will be placed on learning to deal analytically with the social, economic and political issues of American's past. This course meets the graduation requirement for both Early and Modern U.S. History. **Participation in national AP test is a mandatory component in the rigor of this course.**

## **US Government**

**9 weeks/0.5 credit**

**Prerequisite:** US History I and US History II

This 0.5 credit course is normally paired with Economics and focuses on the nature and theory of civic responsibility, virtue, and participation. This course is an in-depth study of all three governmental branches.



## **AP Politics and Literature: Super Seminar**

**(AP Comparative Government, AP Government, & AP Literature & Composition)**

**36 weeks/3 credits**

**Prerequisite:** English 11 or AP Language and Composition and US History II

This integrated experience combines 3 Advanced Placement classes so that highly motivated students can develop a critical perspective on government and politics within the United States and explore the rich diversity of political life outside the United States, all while developing skills necessary for analysis of literature and advanced composition to communicate their ideas effectively. Students will develop an understanding of political science concepts and theories as they apply critical thinking skills to interpret and analyze the American political system, as well as political systems across the globe. They will specifically examine six selected countries: Great Britain, Mexico, Russia, Iran, China and Nigeria. This course will provide students with an understanding of how governments solve problems they have in common by comparing the effectiveness of governmental approaches. Summer reading is required, the summer reading list is provided in the spring semester. **Participation in 3 national AP tests is a mandatory component in the rigor of this course.**

## **Economics**

**9 weeks/0.5 credit**

**Prerequisite:** World History, US History I, and US History II

This 0.5 credit course is normally paired with U.S. Government and focuses mainly on the American economic system's concepts and theories; however, other economic systems will be incorporated into the study.

## **AP Government**

**18 weeks/1 credit**

**Prerequisite:** World History, US History I, and US History II

Accelerated in rigor and pace, this course is designed to give students critical perspective on government and politics within the United States. The course involves generalized political science concepts and political theories. Critical thinking and analysis skills are used to interpret the American political system. **Participation in national AP test is a mandatory component in the rigor of this course.**

## AP Macroeconomics

18 weeks/1 credit

**Prerequisite:** World History, US History to 1877 Grade 10(Early) & US History from 1877 – Present Grade 11(Modern)

Accelerated in rigor and pace, this course is designed to give the student a thorough understanding of the principles of economics that apply to an economic system as a whole. The curriculum places particular emphasis on the study of national income and price determination and develops student familiarity with economic performance measures, economic growth, and international economics. **Participation in national AP test is a mandatory component in the rigor of this course.**

## AP Comparative Government

18 weeks/1 credit

**Prerequisite:** World History, US History I, and US History II

Accelerated in rigor and pace, this course introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. **Participation in national AP test is a mandatory component in the rigor of this course.**

## SOCIAL SCIENCE ELECTIVES

(These courses do not satisfy required Social Science credits for graduation.)

### Sociology

18 weeks/1 credit

This course focuses on culture and society; social inequalities; social institutions; and social change. Topics included will broaden students understanding of the influences of genetics, demographics, religion, and personal behaviors upon society.

### Psychology

18 weeks/1 credit

This course is designed to introduce students to the vast and diverse field of psychology. The program teaches students the principles, concepts, and theories of psychology. Students will gain insight to better understand themselves, their lives, and their communities.

### Contemporary World Issues & Civic Engagement

18 weeks/1 credit

Current events of local, state, national, and international interest; media information analysis, political coverage, and techniques; analysis of current events from geographical, historical, political, social, and cultural perspectives.

### AP Psychology

18 weeks/1 credit

Accelerated in rigor and pace, this course will introduce students to the systematic and scientific study of behavior and mental processes of human beings. Students are exposed to the psychological facts, principles, and phenomena associated with each of the subfields within psychology. They also learn about the methods psychologist use in their science and practice. **Participation in national AP test is a mandatory component in the rigor of this course.**

### AP Human Geography

18 weeks/1 credit

Accelerated in rigor and pace, this course serves as an introduction to geography as the science of location, with emphasis on spatial patterns of human activities. The concepts of population, cultural patterns and processes, political organization of space, agriculture and rural land use, industrialization and economic development, cities and urban land use form the core of the course. **Participation in national AP test is a mandatory component in the rigor of this course.**

### AP European History

18 weeks/1 credit

**Prerequisite:** World History

Accelerated in rigor and pace, this course is the equivalent of a freshman college Western Civilization survey course which begins with the Renaissance and ends with present day. All areas of history are covered including political, economic, intellectual, cultural, social, and art history. Emphasis placed on analytical writing, class discussion, use of primary sources, and critical reading. Students should possess strong reading and writing skills and be willing to devote time to study and the completion of class assignments. **Participation in national AP test is a mandatory component in the rigor of this course.**

## **AP Seminar**

**18 weeks/1 credit**

This class provides sustained practice of investigating issues from multiple perspectives and cultivates student writing abilities so they can craft, communicate, and defend evidence-based arguments. Students are empowered to collect and analyze information with accuracy and precision and are assessed through a team project and presentation, an individual written essay and presentation, and a written exam.

**Participation in national AP test is a mandatory component in the rigor of this course, in addition to a team project and presentation and an individual research-based essay and presentation.**

## **AP Research**

**18 weeks/1 credit**

**Prerequisite: Advanced Placement Seminar**

In this class, students develop the skills and discipline necessary to conduct independent research to produce and defend a scholarly academic thesis. This second course in the AP Capstone experience allows students to explore deeply an academic topic, problem, or issue of individual interest and through this inquiry, students design, plan, and conduct a year-long mentored, research-based investigation. The course culminates in an academic thesis paper of approximately 5,000 words and a presentation, performance, or exhibition with an oral defense. **An academic paper will be produced during this class and student is required to present and defend his/her findings.**



## **Peer Helping (Student 2 Student)**

**18 weeks/1 credit**

**Prerequisite: Based upon National Peer Helping Organization guidelines/application required**

The mission of the Peer Helper Program in Madison City is to empower students to be successful academically, socially, and emotionally; to recognize and resolve conflict; to value diversity; to be tobacco, alcohol and drug free; to be advocates for positive change and healthy choices through learning to help and helping to learn. Peer Helpers will model and teach these skills, values, and character traits to their peers through a collaborative classroom setting as well as elementary students in the community.

## **Student Aide**

**18 weeks/1 credit**

**Prerequisite: Approval required**

This class is for seniors only. Students will assist with clerical needs of the main office, guidance office, media center, attendance office, principals' offices, and others as assigned. Students will receive a grade and 1 credit. Workplace skills such as filing, typing, and reception duties will be emphasized. Enrollment requires an application process and will be limited. Selection will be based, in part, on good attendance and conduct. Students must have passed all parts of the graduation exam to participate.



## **Student Leadership**

**18 weeks/1 credit**

**Prerequisite: Student Government Sponsor approval**

The Leadership and Student Government course is a recommended course for all elected class and associated student body officers. Non-elected students may apply and be accepted into the course. The students will be responsible for school wide activities, fundraisers, service projects and assemblies, with an emphasis on event planning and information dissemination required to build community and create a positive educational environment. The overall objective of the course is to facilitate the process of being effective leaders who support their educational community. School membership requirements for the State, Southern Association and National Associations of Student Councils will be maintained and members will compete at some or all of these levels at the respective conferences. Students who wish to develop the following skills are encouraged to apply for the Student Leadership course: Develop leadership skills, Prepare students to take leadership roles in the school and community, Promote good citizenship and service



# Special Services Courses

For students served by Individual Education Plans (IEP) pursuing the Essentials/Life Skills Pathway

SPECIAL SERVICES CORE			
Course Number	Course Description	Credit	Fee
01001X1001	English Essentials 9	1.0	
01002X1002	English Essentials 10	1.0	
01003X1003	English Essentials 11	1.0	
01004X1004	English Essentials 12	1.0	
02073X1000	Essentials Geometry with Data Analysis	1.0	
02052X1000	Essentials Algebra I with Probability	1.0	
02056X1001	Essentials Algebra II with Statistics	1.0	
02155X1000	Essentials Algebra with Finance	1.0	
02137X1000	Essentials Mathematical Modeling	1.0	
03159X1000	Life Skills Sci I / Physical Science	1.0	
03051X1000	Life Skills Sci II / Biology	1.0	
03008X1000	Life Skills Sci III / Earth and Space	1.0	
03003X1000	Life Skills Sci IV / Environ Science	1.0	
04051X1000	World History for Living	1.0	
04102X1011	US History for Living 10	1.0	
04103X1011	US History for Living 11	1.0	
04201X0511	Economics for Living	1.0	
04151X0511	U.S. Government for Living	1.0	
SPECIAL SERVICES ELECTIVES			
01068G0000	Reading Intervention	1.0	
02996G0000	Math Intervention	1.0	
22151X1000	Transitional Services I	1.0	
	Transitional Services Elective	1.0	
22152G1001	Workforce Essentials I	1.0	

## **SPECIAL SERVICES**

### **English Essentials 9**

### **English Essentials 10**

### **English Essentials 11**

### **English Essentials 12**

18 weeks each/1 credit each

This course is designed to provide a practical knowledge of reading, literature, writing and language, research and inquiry, and oral and visual communication. They are designed to equip students with the skills necessary for employment and independent living.

### **Essentials Geometry with Data Analysis**

**18 weeks/1 credit**

Essentials Geometry with Data Analysis is the first of three required courses in high school mathematics for students on the Essentials Pathway. In Essentials 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 Essentials Geometry with Data Analysis is Grade 8 Mathematics.

### **Essentials Algebra I with Probability**

**18 weeks/1 credit**

Essentials 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. Essentials Algebra I with Probability is the second of three courses required for students on the Essentials Pathway. Students may enroll in this course after completing Essentials Geometry with Data Analysis.

### **Essentials Algebra II with Statistics**

**18 weeks/1 credit**

Essentials Algebra II with Statistics builds on the students' experiences in previous mathematics in Essentials Geometry with Data Analysis and Essentials Algebra I with Probability. It is the third of three required courses for students on the Essentials Pathway, and it is to be taken following the successful completion of Essentials Geometry with Data Analysis and Essentials Algebra I with Probability. 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. Essentials Algebra II with Statistics is the prerequisite for Essentials Algebra with Finance and Essentials Mathematical Modeling.

### **Essentials Algebra with Finance**

**18 weeks/1 credit**

Algebra with Finance contains the course content for students following the Essentials pathway. This course integrates foundational algebra, probability and statistics, and geometry to solve financial problems that occur in everyday life. These skills are identified in the general education Algebra with Finance course. The course includes real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting, and planning for retirement in order to equip students with the skills necessary for employment and independent living.

### **Essentials Mathematical Modeling**

**18 weeks/1 credit**

Essentials Mathematical Modeling is developed to expand on and reinforce the concepts introduced in Essentials Geometry with Data Analysis, Essentials Algebra I with Probability, and Essentials 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. Essentials 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. The prerequisite for Essentials Mathematical Modeling is Essentials Algebra II with Statistics. Note: Students may not receive credit for both Essentials Mathematical Modeling and Essentials Algebra with Finance, as Essentials Mathematical Modeling includes mathematics content that also appears in the Essentials Algebra with Finance course.

### **LS Science II / Biology**

**18 weeks/1 credit**

This course is designed to provide students with a practical knowledge of biology including scientific process and application skills, cell processes, cell theory, photosynthesis and cellular respiration, genetics, classification, plants, animals, ecology, and biogeochemical cycles.

### **LS Science III / Earth and Space**

#### **18 weeks/1 credit**

This course is designed to provide students with a practical knowledge of earth and space science including scientific process and application skills; energy in the Earth system; weather; seasons; theories for origin and age of the universe; stars, pulsars, quasars, black holes, and galaxies; earth and space scientists; and space exploration.

### **LS Science IV / Environmental Science**

#### **18 weeks/1 credit**

This course is designed to provide students with a practical knowledge of environmental science including scientific process and application skills, natural and human impact on the environment, carrying capacity, renewable and nonrenewable energy resources, properties and importance of water, land use practices, and composition and erosion of soil.

### **World History for Living 10**

#### **18 weeks/1 credit**

This course is a study of world history from 1500 to the present. Students are able to apply and utilize their knowledge to develop informed opinions about issues such as the quest for peace, human rights, trade, global ecology, and the impact each has on everyday life situations.

### **US History for Living 10**

#### **18 weeks/1 credit**

This course follows a chronological study of major events, issues, movements, leaders, and groups of people of the United States through Reconstruction from a national and Alabama perspective.

### **US History for Living 11**

#### **18 weeks/1 credit**

This course begins with the post-Reconstruction United States and its shift into a more industrialized society and continues through the twentieth century to the present.

### **Economics for Living**

#### **18 weeks/1 credit**

This course is a one-semester course that focuses on the functions and institutions of modern-day economic systems and theory. Students gain skills that will enable them to anticipate changes in economic conditions and how to adjust to the changes to improve their lives and their communities.

### **US Government for Living**

#### **18 weeks/1 credit**

This course is a one-semester course that focuses on the origins, structure, and functions of government at all levels. It also includes a detailed study of the constitution of the United States and its provisions.

### **SPECIAL SERVICES ELECTIVES**

#### **Transition Services I**

#### **18 weeks/1 credit**

This course will prepare students to become self-advocates, participate in postsecondary education and/or training to gain meaningful employment, and support community participation as they plan for life after high school.

#### **Transition Services Elective**

#### **18 weeks/1 credit**

This course focuses students - in community-based instruction, pre-vocational experience, and community integration development.

#### **Workforce Essentials I**

#### **18 weeks/1 credit**

A one-credit course that provides students with higher-level academic and occupational skills that are transferable across jobs and occupational areas. Emphasis is placed on career development and employment.

**Other requirements for students pursuing the Essentials/Life Skills Pathway (24 credits).**

- Cooperative Education Seminar (COOP) / Work-based experience will be required for any students with disabilities earning core credits through Essentials / Life Skills courses (formerly known as AOD courses). Each student must complete a minimum of 140 hours of a documented, successful, independent, paid apprenticeship experience or unpaid internship experience.
- 2 CTE courses (in sequence) and Workforce Essentials is concurrent/pre-requisite to Cooperative Education Seminar (COOP).
- Career Preparedness Course (Computer Applications or Financial Literacy)
- All Essentials/Life Skills credits shall comply with the current curriculum guides designated for Essentials/Life Skills course implementation and aligned with the Alabama Course of Study.
- Required to take the appropriate EOC in the content area. Substitute Essentials Pathway EOCs will be offered beginning with the 2015-2016 school year.

NOTE: Core classes for the Essentials Pathway will be taught in a collaborative/inclusive setting.

<b>SPECIAL SERVICES COURSES</b> For students served by the Individual Education Plans (IEP) on the extended standards pathway			
Course Number	Course Description	Credit	Fee
01049X1001	AAS: Reading-9	1.0	
01049X1002	AAS: Reading-10	1.0	
01409X1003	AAS: Reading-11	1.0	
01049X1004	AAS: Reading-12	1.0	
01037X1001	AAS: English Language Arts-9	1.0	
01037X1002	AAS: English Language Arts-10	1.0	
01037X1003	AAS: English Language Arts-11	1.0	
01037X1004	AAS: English Language Arts-12	1.0	
02039X1001	AAS: Mathematics-9	1.0	
02039X1002	AAS: Mathematics-10	1.0	
02039X1003	AAS: Mathematics-11	1.0	
02039X1004	AAS: Mathematics-12	1.0	
03239X1001	AAS: Science-9	1.0	
03239X1002	AAS: Science-10	1.0	
03239X1003	AAS: Science-11	1.0	
03239X1004	AAS: Science-12	1.0	
04439X1001	AAS: Social Studies-9	1.0	
04439X1002	AAS: Social Studies-10	1.0	
04439X1003	AAS: Social Studies-11	1.0	
0443X1004	AAS: Social Studies-12	1.0	
19257X1001	AAS: Life Skills-9	1.0	

<b>SPECIAL SERVICES COURSES</b> For students served by the Individual Education Plans (IEP) on the extended standards pathway			
Course Number	Course Description	Credit	Fee
19257X1001	AAS: Life Skills-9	1.0	
	AAS: Life Skills-10	1.0	
	AAS: Life Skills-11	1.0	
	AAS: Life Skills-12	1.0	
22152X1001	AAS: Pre-Vocational-9	1.0	
	AAS: Pre-Vocational-10	1.0	
	AAS: Pre-Vocational-11	1.0	
	AAS: Pre-Vocational-12	1.0	
22153X1001	AAS: Vocational-9	1.0	
	AAS: Vocational-10	1.0	
	AAS: Vocational-11	1.0	
	AAS: Vocational-12	1.0	
22251X1001	AAS: Community Based Instruction-9	1.0	
	AAS: Community Based Instruction-10	1.0	
	AAS: Community Based Instruction-11	1.0	
	AAS: Community Based Instruction-12	1.0	
2250X1001	AAS: Elective-9	1.0	
	AAS: Elective-10	1.0	
	AAS: Elective-11	1.0	
	AAS: Elective-12	1.0	
	Adaptive Physical Education	1.0	

Courses above are for students with significant cognitive disabilities earning core credit through Alternate Achievement Standards (AAS), which are aligned with the Alabama Course of Study, and being assessed through the Alabama Alternate Assessment (AAA).

# World Languages

WORLD LANGUAGES			
Course Number	Course Description	Credit	Fee
24102G1000	French 1	1.0	\$20
24103G1000	French 2	1.0	\$20
24104G1000	French 3 Honors	1.0	\$20
24105G1000	French 4 Honors	1.0	\$20
24114E1000	AP French Language	1.0	Exam Fee
24052G1000	Spanish 1	1.0	\$20
24053G1000	Spanish 2	1.0	\$20
24054G1000	Spanish 3 Honors	1.0	\$20
24055G1000	Spanish 4 Honors	1.0	\$20
24064E1000	AP Spanish Language	1.0	Exam Fee
24065E1000	AP Spanish Literature	1.0	\$20 + Exam Fee
24252G1000	German 1	1.0	\$20
24253G1000	German 2	1.0	\$20
24254G1000	German 3 Honors	1.0	\$20
24255G1000	German 4 Honors	1.0	\$20
24264E1000	AP German Language	1.0	Exam Fee
24342G1000	Latin 1	1.0	\$20
24343G1000	Latin 2	1.0	\$20
24344G1000	Latin 3 Honors	1.0	\$20
24345G1000	Latin 4 Honors	1.0	\$25
24355E1000	AP Latin	1.0	\$25 + Exam Fee
24402G1000	Chinese 1	1.0	\$20

## **WORLD LANGUAGES**

Successful completion of two levels of the same world language counts towards the Advanced Academic Diploma Endorsement and the Madison City Seal of Academic Distinction. All courses are taught striving towards 90% or more in the target language as is recommended by the American Council on the Teaching of Foreign Languages. For a classical language, such as Latin, this refers to an emphasis on reading in the target language.

### **Level I Latin**

**18 weeks/1 credit**

This course is structured around the Cambridge Latin series, which guides students through the experiences of ancient Roman life by reading stories in Latin at the novice level, and moving towards the intermediate level. Students will have the opportunity to explore aspects of ancient culture, such as urban life, entertainment, mythology, gender and social issues, and government. Students will connect their own language and culture to Latin through vocabulary building and cultural analysis.

### **Level I French, German, Spanish, Chinese**

**18 weeks/1 credit**

This course focuses on the language learner's ability to communicate about topics relating to themselves, such as self-description, basic needs, daily activities, preferences, everyday conversation, family, and friends. Students will read, listen to, speak, and write the target language at the novice level. Students will explore various aspects of target culture through authentic texts and speech, visuals, and hands-on learning.

### **Level II Latin**

**18 weeks/1 credit**

**Prerequisite: Level I Latin**

In this course, students will continue with the Cambridge Latin series at the intermediate level. Students will read Latin stories to develop a deeper connection with vocabulary and grammar that will help them to better understand both Latin and English. Students will learn about life across the Roman Empire and its provinces, including Britain, Egypt, and Carthage, and about the development of the Roman civilization beginning with the founding of Rome stretching into the rise and fall of the Roman Empire. A few passages from Roman authors, such as Vergil and Catullus, will be introduced, so that students will begin to have exposure to authentic Latin texts.

### **Level II French, German, Spanish**

**18 weeks/1 credit**

**Prerequisite: Level I**

This course expands on the language learner's ability to communicate about topics that connect them to their immediate environment, such as describing their place of residence, travel plans and experiences, health and lifestyle, and giving opinions. Students will interpret, speak, and write in the target language at the novice-high to intermediate-low level, particularly in the past tense. Students will continue to engage in gaining knowledge about the customs and people of the target culture and to participate in real-world language experiences.

### **Level III Latin**

**18 weeks/1 credit**

**Prerequisite: Level II Latin**

**Honors Credit Awarded**

Prose, poetry, and stories that center on Rome itself are at the heart of this course. Students will continue with the Cambridge series and transition into a variety of authentic Latin prose and poetry; students will read at the intermediate level, with an introduction into advanced reading. Content for this course includes a variety of authors of Latin literature, such as Pliny, Catullus, Martial, Ovid, Cicero, and Livy, and others per student request, as well as more recently composed pieces from the realms of music, children's literature, and philosophy. The course provides students the opportunity to explore the impact that Roman society has had and continues to have on the world today, for example in the world of politics, warfare, medicine, science, law, and the arts.

### **Level III French, German, Spanish**

**18 weeks/1 credit**

**Prerequisite: Level II**

**Honors Credit Awarded**

This course strengthens the language learner's ability to actively interpret the target language and produce language independently while working with topics that connect to the countries and domains of the target language. Students will read and discuss longer pieces of authentic literature at the intermediate-mid level. Students will learn to express themselves in the target language, in that they will give and explain their opinions, describe future plans, hopes, and worries, and provide explanation and clarification in conversation. Students will dig deeper into local and regional cultural products, practices, and perspectives, both current and historical.



#### **Level IV Honors Latin**

**18 weeks/1 credit**

**Prerequisite: Level III Latin**

##### **Honors Credit Awarded**

This course will have students read either selections of Vergil's Aeneid, which explores the Trojan War and founding of Rome, and selections of the Commentarii De Bello Gallico, written by one of the most famous politicians of all time - Julius Caesar. In addition, students will gain experience with other authors of Latin prose and poetry. Students will analyze and discuss set passages, which will prepare them for the AP Latin exam. Students will compose essays in English that demonstrate their understanding of Latin texts. Students will also connect to the people in the texts through themes such as nationalism, politics, and cultural values.

#### **Level IV Honors French, German, Spanish**

**18 weeks/1 credit**

**Prerequisite: Level III**

##### **Honors Credit Awarded**

This course continues to provide the language learner an environment in which to interact with the target language at the intermediate mid-high level in preparation for entrance into the Advanced Placement course. Students will participate in frequent conversations, write compositions, read literary works, and discuss and/or summarize in the target language. Students will examine topics, such as current events, global and social issues, and everyday life within the target culture. Students will begin building more complex language structures and deepening vocabulary knowledge.

#### **AP Latin**

**18 weeks/1 credit**

**Prerequisite: Level III**

In this course, students will read selections of the Latin authors Vergil and Caesar. As students read and analyze the new set of texts, they will re-read and review the previous author, so that they can compose essays in English that compare and contrast themes found in both. Students will explore ancient Roman perspectives and cultural products and practices through these authentic texts, as well as various other poetry and prose authors. **Participation in national AP test is a mandatory component in the rigor of this course.**

#### **Level V AP French Language, Spanish Language, German Language**

**18 weeks/1 credit**

**Prerequisite: Level IV Honors**

This course is designed as a third year college level comprehensive course which includes 6 global themes: Beauty and Aesthetics, Families and Communities, Person and Public Identities, Contemporary Life, Global Challenges and Science and Technology. As directed by AP College Board these themes are structured to allow students opportunities to practice interpersonal, interpretive, and presentational communicative skills. In addition students are expected to compare and /or contrast as well as synthesize ideas and concepts within the target language culture and their own. Fluidity in listening, reading, writing and speaking skills; the cornerstone of language acquisition is the goal of this course. The course is conducted exclusively by both students and teachers in the target language. **Participation in national AP test is a mandatory component in the rigor of this course.**

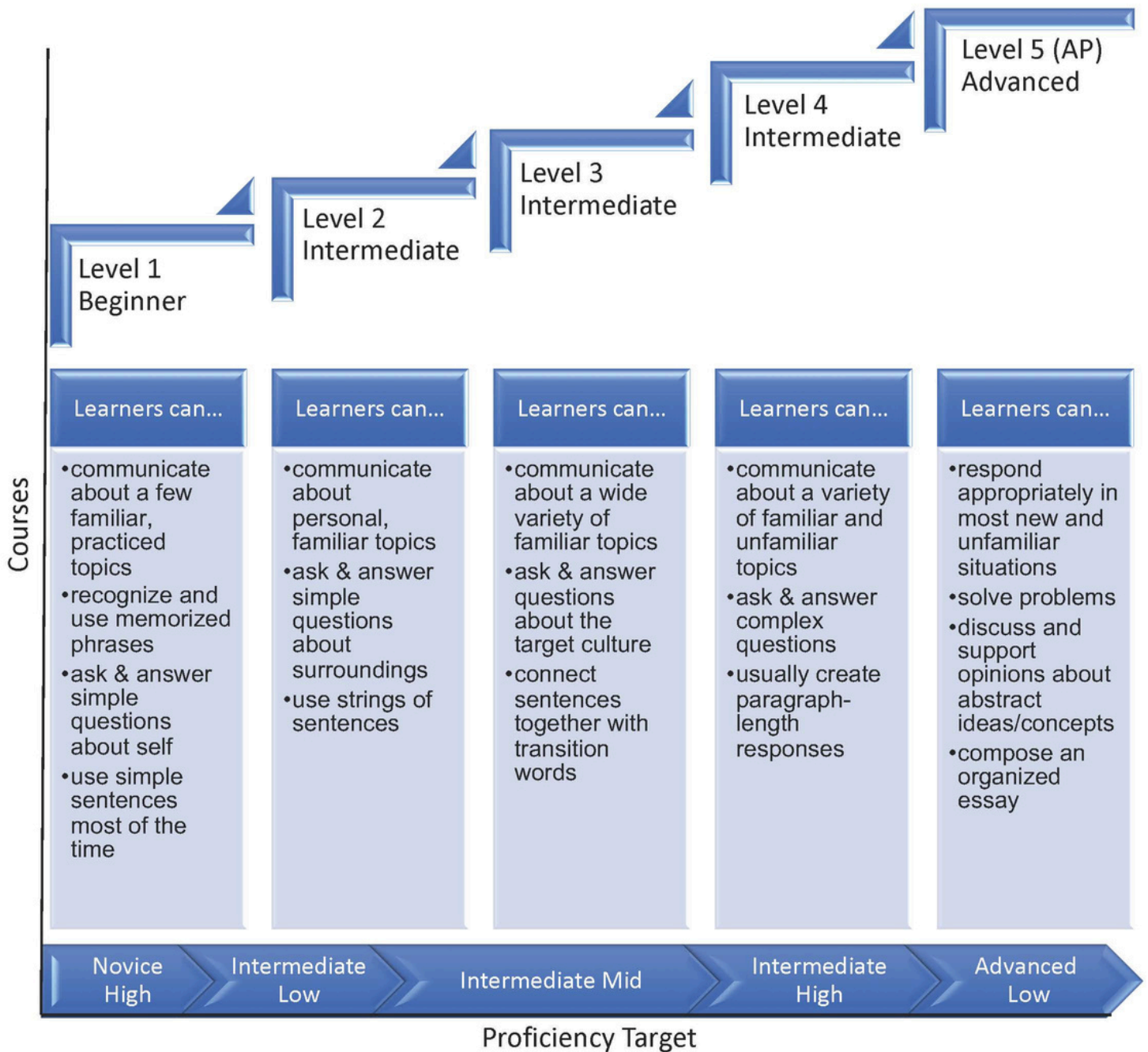
#### **AP Spanish Literature**

**18 weeks/1 credit**

**Prerequisite: Level IV Honors**

This course is comparable to a third-year college introduction to Hispanic literature course. It is based on a required reading list. The works on the list are of literary significance and represent various historical periods, literary movements, genres, geographic areas, and population groups within the Spanish-speaking world. The objective of the course is to help you interpret and analyze literature in Spanish. The course will be taught in the target language. Some works will contain mature content matter. Students will also study culture, grammatical concepts, write compositions, analyze works, and lead literary discussion groups. **Advanced Placement Spanish V is not a prerequisite for this course.** **Participation in national AP test is a mandatory component in the rigor of this course.**

## Madison City Schools Pathway to Proficiency for Modern World Languages



# Madison City Schools

## Advanced Placement Agreement 2025 - 2026

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_ MI: \_\_\_\_\_

Student Cell: \_\_\_\_\_ Student E-mail: \_\_\_\_\_

Grade Level: \_\_\_\_\_

Statement of Accountability: I understand that Advanced Placement (AP) classes are the most rigorous courses offered at the high school level. I also understand that college-level work will be assigned and expected of me. I am electing to take the challenge of an AP class and will work to meet the challenge. I have been advised about the expectations and rigor of AP classes by one or more of the following individuals: an AP teacher, my counselor, the AP coordinator, and/or have attended the AP information session for the 2025-2026 school year. I am committed to completing the AP courses during the 2025-2026 school year for which I have registered.

**I am currently registered for the following AP Courses:**

1.	2.
3.	4.
5.	6.
7.	8.

By signing this agreement, I understand and agree to the following conditions and expectations involved in taking one or more AP class in Madison City Schools:

- I will remain enrolled in the class for the duration of the course. No requests for schedule changes will be honored after dates set by the school administration.
- I understand the summer commitments of the class, and I will be prepared to turn in completed summer work assignments upon the teacher's request.
- I will give every assignment my best effort and will respect and adhere to due dates.
- I understand that I am responsible for the course fee as well as the cost of taking the AP exam(s).
- I understand that I am required to take the National AP Exam as part of the course curriculum

I affirm that I have read, understand, and agree to the stipulations of this agreement.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent/Guardian Signature

\_\_\_\_\_  
Date

**\*\*This agreement should be completed and turned in with your registration form.\*\***

## DUAL ENROLLMENT AGREEMENT - MADISON CITY SCHOOLS

Student will be enrolled in MADISON CITY SCHOOLS and enrolled in one or more courses at one of the following partnering institutions: Calhoun Community College, UAH, Drake State, Auburn First, UA Early College, and UNA Early College. College course grades are included in the MADISON CITY GPA.

Students who enroll in Dual Enrollment courses are responsible for verifying the high school credit and applicable GPA calculation that will be received for the course. [STUDENTS MUST VERIFY THAT THE COURSE YOU ARE REQUESTING IS ON THE APPROVED DUAL ENROLLMENT LIST. If the course is NOT the list credit may NOT be awarded.](#)

\*Upon successful completion of the course, high school counselors will ensure the credit is reflected on both the high school and college transcript (per SDE).

### Dual Enrollment Requirements:

1. Meet minimum GPA requirements of the college/institution below:
2. Meet minimum ACT or placement test score requirements for placement in course (set by college/institution)
3. Must be able to pay tuition for college courses requested (typically one course = 3.0 credits)
4. Must provide own transportation for on-campus courses
5. Completion of this dual enrollment program agreement

Student Name: \_\_\_\_\_ Grade Level      10th      11th      12th

Student GPA: \_\_\_\_\_ Student ACT Subtest Scores (if known):      Math      English

Dual Enrollment Partner College/University (if known):

☐ Calhoun (min 2.5 GPA)      ☐ UAH (min 2.9 GPA)      ☐ Drake St. (min 2.5 GPA)      ☐ Auburn First \* (min 3.5 GPA)      ☐ UA Early College \* (min 3.0 GPA)      ☐ UNA Early College (min 3.0 GPA)

Are you planning to use this course to meet a HS graduation requirement? If so, which requirement?

Course(s) planning to take (if known):

_____	<input type="checkbox"/> Summer <input type="checkbox"/> Fall <input type="checkbox"/> Spring	<input type="checkbox"/> No <input type="checkbox"/> Yes: _____
_____	<input type="checkbox"/> Summer <input type="checkbox"/> Fall <input type="checkbox"/> Spring	<input type="checkbox"/> No <input type="checkbox"/> Yes: _____
_____	<input type="checkbox"/> Summer <input type="checkbox"/> Fall <input type="checkbox"/> Spring	<input type="checkbox"/> No <input type="checkbox"/> Yes: _____
_____	<input type="checkbox"/> Summer <input type="checkbox"/> Fall <input type="checkbox"/> Spring	<input type="checkbox"/> No <input type="checkbox"/> Yes: _____

**\*SENIORS MAY NOT ENROLL IN AUBURN FIRST OR UA EARLY COLLEGE DURING THE SPRING SEMESTER.**

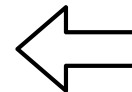
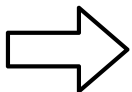
Students will select Dual Enrollment placeholder blocks during course selection for the block(s) in which they hope to take their dual enrollment course(s) - example: "Dual Enrollment Fall 3rd" and "Dual Enrollment Fall 4th." If courses at the college or university do not fall within the times reserved by the placeholder(s), course requests and/or schedules may be altered to accommodate actual course times. Contact your school counselor with questions.

I give permission for my student to participate in Dual Enrollment. I have read and understand the above information. I understand that my student must provide his/her own transportation for in-person courses. By signing below, I give permission for my student to transport him/herself to and from the high school and/or the college/university for dual enrollment purposes. I understand that a student drops a dual enrollment course during the semester, he/she will be placed into BJHS courses to complete his/her schedule.

Parent/Guardian Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

This agreement should be completed and turned in with your 2025-2026 course selection forms.  
Course requests must be completed and submitted to the counseling office no later than March 7, 2025  
**Deadline to submit dual enrollment forms: Fall Courses - May 1st   Spring Courses - Dec 1st**



# Early or Midyear Completion

Students may complete their course work for graduation early from Madison City Schools by meeting all requirements for an Alabama Diploma as described in the Alabama Administrative Code 290-030-010-.6 (11) and when the conditions listed below are met. Students may also accelerate their program of studies by enrolling in summer school and dual enrollment at a postsecondary institution.

- A. Students must submit the Early or Midyear Completion form with a parent's signature no later than the semester prior to midyear completion.
- B. Students who plan to complete early must follow course sequence/prerequisites.
- C. Students who plan to complete early will not be given preferential treatment in registration and course selection.
- D. Students who plan to accelerate their program of studies for the purpose of early completion may do so if space is available in classes after grade level students have completed registration.
- E. Students who complete graduation requirements early will not be permitted to remain at school during the regular school day. However, they may return to school for senior activities and after school activities provided they remain in good standing with the school and follow the local school procedures for returning to the campus.
- F. A student must be a full time student to be eligible to participate in extracurricular activities. Therefore, a student who completes graduation requirements early will not be eligible for extracurricular activities.
- G. Students who complete graduation requirements early will receive their diplomas at the regularly scheduled graduation ceremony.

Students who complete their coursework early are responsible for making contact with school officials concerning graduation, senior events, award ceremonies, etc. Students/Parents must also be aware that if students begin taking college courses immediately after they finish their classes in December, some colleges/universities may deem them ineligible for Freshman Scholarships.

I request that \_\_\_\_\_ be allowed to pursue mid-year completion at the end of December of their senior year. By signing below, I acknowledge that I have read and understand the above information.

I request that \_\_\_\_\_ be allowed to graduate at the end of his/her next school year (one year early). By signing below, I acknowledge that I have read and understand the above information.

Parent/Guardian Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

\*\*This agreement should be completed and turned in with your registration forms.\*\*

# Credit Recovery Program

The Madison City Schools (MCS) Credit Recovery Program is designed to offer students who have received failing grades in required core courses an opportunity to recover the lost credit through computer-based instruction targeting specific knowledge and skill deficits instead of requiring the students to repeat the entire course. Students must meet eligibility requirements to apply.

## Student Eligibility, Admission and Removal:

- Any student who has failed one or more core courses listed below during the 9th - 12th grade years may apply for admission.
- Student, parent or guardian, counselor and administrator must sign the MADISON CITY Contract for Success.
- Payment will be required upon registration.
- If the **final grade** earned in a core course required for graduation was between 40% - 64%, then a series of diagnostic tests will determine the specific standards to be mastered to obtain credit.
- Satisfactory completion of the course will result in a final grade of 70.
- Credits recovered will be denoted on the transcript with a CR and the previously earned failing grade will remain on the transcript and both will be calculated into the overall Grade Point Average.
- Students may be removed from the Credit Recovery program at the discretion of the administrator supervising the program for circumstances involving serious or repeated misbehavior or failure to make adequate progress towards meeting remediation requirements.
- Student who do not qualify for Credit Recovery or cannot complete a Credit Recovery program under these guidelines will be required to repeat the failed course covering all applicable standards and attending the total number of required instructional hours.
- Credit Recovery coursework is not approved for eligibility through the NCAA clearinghouse.

## Dates: Available each semester (See counselor for more information)

- Dates and times vary per school. Students can get specific information from their guidance counselor.
- Program is individualized and completion times will vary per student. Students are required to attend until all course requirements are complete.

# Madison City Schools

## Virtual Learning Procedures

### Background

The purpose of the Madison City Schools Virtual Option is to provide motivated, independent learners with engaging, student-centered courses to meet each student's educational needs in an online environment that will allow flexible, individualized learning.

### Law

Beginning with the 2016-2017 school year, State of Alabama Act 2015-89 requires that all school boards offer students in grades 9-12 an online pathway for earning a high school diploma. The law allows school boards to write their own policies and procedures to accommodate their virtual school needs. The following encompasses Madison City Schools' procedure regarding its virtual option.

### Benefits

What are the benefits of the virtual option?

- Instruction from certified teachers
- No tuition and minimal fees\*
- Accredited diploma upon satisfying all Madison City Schools graduation requirements.\*\*
- Flexible and personalized learning experience
- Individualized academic and career preparation plan
- Self-pacing and opportunity for accelerated advancement
- Early graduation available upon meeting eligibility criteria
- Flexibility to pursue personal interests

\*Course work completed during the summer terms will require fees.

\*\*See Madison City School graduation requirement.

### Curriculum

Course curriculum and instruction for the Madison City Schools Virtual Option will be provided primarily, through third-party vendors, such as ACCESS and Edgenuity. See the Virtual Options Helpful Links below for additional information on third-party vendors. All course curricula are aligned to Alabama Courses of Study. Students intending to complete all graduation requirements through the Virtual Option must meet the Madison City Schools Graduation requirements list at the beginning of the catalog.

### Hours of Operation

The Madison City Schools Virtual Option operates on a standard semester system in accordance with the Madison City Schools System's approved academic calendar. Most classes are offered in a full year format or a "block" format. The start and end date of ACCESS Virtual Learning classes (regardless of format) is determined by the Alabama State Department of Education and is closely aligned with the Madison City School System's academic calendar. For questions or technical support, the Madison City ACCESS Support Center can be contacted via phone (1-877-295-0526 or 256-774-4609) or email (mcaccesshelp@madisoncity.k12.al.us) Monday through Friday between the hours of 8:00am and 4:00pm. Contact information to ask questions or receive technical support from other third-party vendors will be supplied to student, once they are enrolled in the course.

### Attendance

Madison City Virtual Option students are required to abide by Madison City attendance policies and procedures.

### Course Testing Schedule

All unit tests and semester examinations must be taken in the physical presence of an ACCESS Virtual Learning facilitator (for all ACCESS courses) or in the presence of a facilitator or teacher (for all other virtual courses). Students must report to their zoned school to take assessments. Scores earned on exams that are not taken at an approved testing site with an appropriate facilitator or teacher are not valid. Students must provide their own transportation to and from the testing site.

### State Testing Schedule

Madison City Virtual School students are required to take all state-mandated assessments on site at their zoned school. All 10th grade students take the PSAT in the fall semester. All 11th grade students take the ACT Plus Writing in the spring semester and have the option to take the PSAT during the fall semester. Seniors take the ACT WorkKeys in the spring semester. Students must provide their own transportation to the testing site. See the Madison City Schools website for the most up to date testing schedule.

### Grades

Please refer to the [ACCESS Policy Manual for Students](#) for grading procedures.

### Weighting of Honors and AP Classes

ACCESS Virtual Learning Spanish 3, Spanish 4, German 3, French 3, Latin 3, and Precalculus courses will earn honors weight. AP classes taken through ACCESS Virtual Learning or another third-party vendor will earn AP weight.

### Course Progression

Students are required to progress through virtual option courses at a rate comparable to that of a traditional class. Student athletes are required to maintain a traditional pace to follow NCAA/Alabama High School Athletic Association rules. Students are permitted to work ahead of the standard course progression and finish courses early if they are not an athlete.

### Minimum Requirements to Remain Enrolled

- Live in the Madison City schools zone
- Have a personal device (or device issued by the school district) and maintain consistent, daily access to the Internet
- Maintain a minimum GPA of 2.0 in all courses taken during the current academic year
- Maintain appropriate course progression as measured by the completion of weekly assignments, quizzes and tests
- Remain in good standing as a student of Madison City Schools Virtual Option (see the Academic Integrity Agreement)
- Students with discipline infractions resulting in suspension or expulsion may be removed from the Madison City Schools Virtual School Option

### Failed Classes

If a student fails a Virtual Option course, the student can retake the course through the summer school or credit recovery. If a student fails a class and retakes the class in summer school, then, upon the successful completion of summer school, the student's GPA for the academic year just completed will be recalculated. If the student's GPA is at least a 2.0, the student is still on track for graduation, and he/she meets all other requirements and expectations of Madison City Schools, the student will be permitted to continue his/her enrollment in the Virtual Option.

### Required Courses

Students are required to attempt a minimum of eight credits per school year. For student athletes, four of the eight credits must be core classes (Math, Science, English and Social Studies) unless the student athlete has accumulated more core credits than is required for the student to remain on track for graduation. With parent permission, students may be allowed to earn additional credits per year. Students should register for Virtual School Option courses during the spring registration and submit the Virtual Option Registration Form by their zoned school's registration deadline (See following page for the Virtual Option Registration Form).



### Transportation

Any necessary transportation must be provided by parents/guardians or by the licensed virtual option student who has submitted proper documentation in accordance with Madison City Schools transportation procedures.

### Extracurricular Activities

Students enrolled in the Madison City Schools Virtual Option are eligible to participate in school-sponsored extracurricular activities, including athletics.

# Madison City Schools Virtual Option 2025-2026 Registration Form

Student Name _____	Zoned School 2025-2026 _____
Street Address _____	School Grade 2025-2026 _____
City & Zip Code _____	Student Age / DOB _____
Name of Parent/Guardian _____	Parent Phone _____
Student Cell Phone _____	Parent Email _____

<b>LOCATION:</b> Madison City Schools 211 Celtic Drive Madison, Alabama 35758  <b>PHONE:</b> (256) 464-8370	Madison City Schools must receive this completed registration form by the regular registration deadline set by the student's zoned school. There is no tuition and minimal fees in the fall and spring sessions. All semester tests, exams, and Alabama-mandated tests must be taken in the presence of a proctor at the student's zoned school.
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### Virtual Course Options

Course Number	Full Name of Course	Credits
<b>Total Number of Credits</b>		

### Alternate Virtual Course Choices

Course Number	Full Name of Course Alternate Course	Credits
<b>Total Number of Credits</b>		

\*Total number of combined credits for the academic year must be equal to or greater than 8.

**Student received IEP, 504, or EL services.** ☐ YES ☐ NO Specify: \_\_\_\_\_

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Parent/Guardian Signature

\_\_\_\_\_  
Counselor Signature

\_\_\_\_\_  
Administrator Signature

FOR OFFICE USE: \_\_\_\_\_  
DATE RECEIVED

\_\_\_\_\_  
NOTES

2025-2026 VIRTUAL CLASS OFFERINGS	
English Core	Science
English Grade 9	Physics
English Grade 10	Earth & Space
English Grade 11	Social Science
AP Language & Composition	World History Grade 9
English Grade 12	US History I: Grade 10
AP Literature & Composition	US History II: Grade 11
English Electives	AP US History (1 semester)
Creative Writing	Economics
Math	US Government
Geometry with Data Analysis	AP US Government
Algebra I with Probability	AP Macroeconomics
Algebra II with Statistics	Social Science Electives
Applications of Finite Math	Sociology
Precalculus	Psychology
Career Mathematics	AP Psychology
Algebra with Finance	World Languages
AP Calculus AB	French 1
AP Statistics	French 2
Science	French 3
Physical Science	Spanish 1
Biology	Spanish 2
AP Biology	Spanish 3
Environmental Science	Spanish 4
Chemistry	German 1
Forensics	German 2
Human Anatomy & Physiology	German 3

Please refer to the ACCESS website to determine credit hours awarded for each class.

[www.madisoncity.k12.al.us/ACCESS](http://www.madisoncity.k12.al.us/ACCESS)

2025-2026 VIRTUAL CLASS OFFERINGS (CONTINUED)	
World Language (continued)	Other Elective
Latin 1	Accounting
Latin 2	Business Software Applications
Latin 3	Career Preparedness
Chinese 1	Creative Writing
Chinese 2	Visual Arts
Health & Beginning Kinesiology	Introduction to Theatre 1
Health	AP Computer Science A
Beginning Kinesiology	

Please refer to the ACCESS website to determine credit hours awarded for each class.  
[www.madisoncity.k12.al.us/ACCESS](http://www.madisoncity.k12.al.us/ACCESS)

Date:\_\_\_\_\_

Grade:\_\_\_\_\_

Credits Earned:\_\_\_\_\_

<u>English – 4 Credits</u>	<u>Social Studies – 4 Credits</u>	<u>Additional Requirements</u>
_____ English 9	_____ World History AP	_____ Civics Exam
_____ English 10	_____ US History I AP	_____ Financial Literacy Exam
_____ English 11 AP	_____ US History II AP	_____ CCR Attainment
_____ English 12 AP	_____ Economics AP	_____ FASFA Complete
	_____ US Government AP	

<u>Math - 4 Credits</u>	<u>Science - 4 Credits</u>
_____ Geometry w/ Data Analysis	_____ Biology
_____ Algebra I with Data Analysis or Statistics	_____ Physical Science
_____ Alg II w/ Statistics	_____ Chemistry
_____	_____
_____	_____
_____	_____

<u>Required Electives</u>	<u>Foreign Language - 2 for Advanced Endorsement</u>
_____ Career Prep - 1.0	_____
_____ Beginning Kinesiology	_____
_____ Health/Fd. of Health Science	_____
_____	_____

Madison City Schools Endorsements:	<u>3 Credits from Career Tech, World Languages or Fine Arts (2 credits should be</u>
Madison City Advanced Endorsement	<u>in the same area).</u>
Madison City Seal of Academic Distinction	_____
AP Courses (1=Adv, 3=Seal)	_____
1 _____	_____
2 _____	_____
3 _____	_____
_____	_____



## Approved Credit-Eligible Career and Technical Education (CTE) Courses Updated June 1, 2023

Course Number	CTE Course	Subject Area
19259G0500 14002G1001	Family Wellness Foundations of Health Science	Health Education
02153G1001 21002G1000 21014G1000 21017G1000	Career Mathematics Applications of Engineering and Technology Environmental Engineering Introduction to Engineering--PLTW	Fourth Mathematics
18004G1001 18306G1002 19254G1001 18504G1000 19254G1000 15055G1000 14299G1001 14299G1002 14252G1001 18308G1002 21018G1000	AgriBiology Aquaculture Science Chemistry of Food Environmental Management Food Science and Microbiology Forensic Science and Crime Scene Investigation Human Body Structures Human Body Systems—PLTW Introduction to Biotechnology Plant Biotechnology Principles of Engineering—PLTW	Third <u>and/or</u> Fourth Science
10159E10SL 10159E10HL 10157E1000 10019E1000 10013G1000 10016G1000 10012G1001 10012G1002 10011G1000 10152G1001	Computer Science, SL, IB Computer Science, HL, IB Computer Science A, AP Computer Science Principles, AP Computer Science Essentials—PLTW Cybersecurity—PLTW Exploring Computer Science Introduction to Computer Science—TEALS Introduction to Digital Literacy & Computer Science Programming Foundations	Fourth Mathematics  <u>and/or</u>  Third and/or Fourth Science

# FERPA NOTICE

**FERPA Notice:** The Family Educational Rights and Privacy Act (FERPA), a Federal law, requires that Madison City Schools with certain exceptions, obtain your written consent prior to the disclosure of personally identifiable information from your child's education records. However, Madison City Schools may disclose appropriately designated "directory information" without written consent, unless you have advised the District to the contrary in accordance with District procedures. The primary purpose of directory information is to allow the Madison City Schools to include this type of information from your child's education records in certain school publications. Examples include:

- A playbill, showing your student's role in a drama production;
- The annual yearbook;
- Honor roll or other recognition lists;
- Graduation programs; and
- Sports activity sheets, such as for wrestling, showing weight and height of team members.

Directory information, which is information that is generally not considered harmful or an invasion of privacy if released, can also be disclosed to outside organizations without a parent's prior written consent. Outside organizations include, but are not limited to, companies that manufacture class rings or publish yearbooks. In addition, two federal laws require local educational agencies (LEAs) receiving assistance under the Elementary and Secondary Education Act of 1965 (ESEA) to provide military recruiters, upon request, with three directory information categories—names, addresses and telephone listings—unless parents have advised the LEA that they do not want their student's information disclosed without their prior written consent. (1)

If you do not want **Madison City Schools** to disclose directory information from your child's education records without your prior written consent, you must notify the District in writing by **[Sept. 1st ]**. **Madison City Schools** has designated the following information as directory information:

**[Note: an LEA may, but does not have to, include all the information listed below.]**

- Student's name
- Address
- Telephone listing
- Electronic mail address
- Photograph
- Date and place of birth
- Major field of study
- Dates of attendance
- Grade level
- Participation in officially recognized activities and sports
- Weight and height of members of athletic teams
- Degrees, honors, and awards received
- The most recent educational agency or institution attended
- Student ID number, user ID, or other unique personal identifier used to communicate in electronic systems that cannot be used to access education records without a PIN, password, etc. (A student's SSN, in whole or in part, cannot be used for this purpose.)

## Footnotes:

1. These laws are: Section 9528 of the Elementary and Secondary Education Act (20 U.S.C. § 7908), as amended, and 10 U.S.C. § 503(c), as amended.