

2025-26

Florence High School
and

Florence Freshman Center

CHARTING YOUR COURSE



FLORENCE
CITY SCHOOLS

Curriculum Catalog

Florence High School
Florence Freshman Center

Tomorrow...Today

Your System...Our Community...One Florence

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FLORENCE CITY VISION, MISSION AND CORE BELIEFS

SYSTEM BRAND

Your District... Our Community... One Florence

VISION

Tomorrow... Today

MISSION

Empowering students to explore, create, challenge, innovate and lead

CORE BELIEFS

- We believe learning is the primary purpose for everything we do as a school district.
- We believe all students, teachers, and administrators can grow, succeed, and reach their full potential by being engaged in the learning process.
- We believe our school district's relationships with students' families and community partners are crucial to our success.
- We believe our school district must use innovative approaches to meet the needs of our diverse population.
- We believe in a classroom culture in which students feel safe to learn.

Equal Education/Employment Opportunity Statement

It is the official policy of the Florence City School District that no person shall on the grounds of race, color, disability, sex, religion, creed, national origin or age, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program, activity or employment.

For questions, concerns, and/or information regarding the school system's compliance with Title IX contact Dr. Auty Horn, Director of Human Resources, at (256) 768-3100. For questions, concerns, and/or information regarding the school system's compliance with Section 504 of the Rehabilitation Act of 1973 contact Dr. Joey Dawson, Director of K-6 Student Services at 256-768-3018 or Susan Meyer about 504s, at (256) 768-3077.

INTRODUCTION TO THE SCHEDULING GUIDE

This scheduling guide helps students and their parents/guardians become better informed regarding high school subjects offered in Florence City Schools. Students should use this guide to help plan their education and career goals as best suited to their individual needs. It also presents the requirements for graduation as adopted by the State Board of Education in Alabama. Students and parents/guardians should carefully review the graduation requirements as adopted by the State Board of Education in Alabama when making course selections.

**All students in grades 9-11 who participate in any sport sanctioned by the Alabama High School Athletic Association must be enrolled in four core courses (English, Mathematics, Science, and Social Studies) and two elective courses (only one of which may be a Physical Education course). For requirements of other extra-curricular clubs, etc., see the sponsor of the activity. (See NCAA section for additional information).*

Credit Requirement/Graduation Worksheet					
Requirements	Credits	9th	10th	11th	12th
<p>English English 9, 10, 11, and 12 English Language Arts credit-eligible options may include: Advanced Placement courses/SDE-approved courses.</p>	4				
<p>Mathematics Algebra I or its equivalent/substitute, Geometry or its equivalent/substitute, Algebra II w/ Trig or Algebra II or its equivalent/substitute. One credit from <i>Alabama Course of Study</i>: Mathematics or mathematics credit-eligible courses from Career and Technical Education/Advanced Placement/postsecondary courses/SDE-approved courses.</p>	4				
<p>Science Biology and a Physical Science (i.e. Physical Science, Chemistry, Physics) Additional courses to complete the four credits in science may be used to meet both the science and the CTE course requirements and must be chosen from the <i>Alabama Course of Study</i>: Science or CTE, AP, or Dual Enrollment equivalent courses.</p>	4				
<p>Social Studies World History, U.S. History I & II (2 credits), Government and Economics or AP, Dual enrollment equivalent courses.</p>	4				
<p>Physical Education Beginning Kinesiology or JROTC</p>	1				
<p>Health Health Education or Foundations of Health Science</p>	0.5				
<p>CTE, World Languages and/or Arts Education Students should select CTE, Arts education, and/or World Language and are encouraged to complete at least two courses in a sequence.</p>	3				
<p>Career Preparedness Career Preparedness A Career Preparedness B</p>	1				
<p>Elective</p>	2.5				
<p>Total Credit Requirements</p>	24				

ALABAMA HIGH SCHOOL GRADUATION REQUIREMENTS
Graduating Class of 2028 & Beyond
Option A

COURSE REQUIREMENTS			
English Language Arts	<u>Four credits to include:</u>	<u>Credits</u>	
	English 9	1	
	English 10	1	
	English 11	1	
	English 12	1	
	English Language Arts credit-eligible options may include: Advanced Placement/post secondary courses/SDE-approved courses		
English Language Arts Total Credits		4	
Mathematics	<u>Three credits to include:</u>	<u>Credits</u>	
	Algebra 1 or its equivalent/substitute	1	
	Geometry or its equivalent/substitute	1	
	Algebra II w/ Trigonometry or Algebra II, or its equivalent/substitute	1	
	<u>One credit from:</u>		
	Alabama Course of Study: Mathematics or mathematics credit-eligible courses from Career and Technical Education/Advanced Placement/postsecondary courses/SDE-approved courses.		1
Mathematics Total Credits		4	
Science	<u>Two credits to include:</u>	<u>Credits</u>	
	Biology	1	
	A physical science (Chemistry, Physics, Physical Science)	1	
	<u>Two credits from:</u>		
	Alabama Course of Study: Science or science credit-eligible courses from Career and Technical Education/Advanced Placement/postsecondary courses/SDE-approved courses.		1
Science Total Credits		4	
Social Studies	<u>Four credits to include:</u>	<u>Credits</u>	
	World History	1	
	United States History I	1	
	United States History II	1	
	United States Government	.5	
	Economics	.5	
	Social Studies credit-eligible options may include: Advanced Placement/postsecondary courses/SDE-approved courses.		

	CIVIC EXAM REQUIREMENT: Students are required to earn a passing score on the Civics Exam	
Social Studies Total Credits		4
Physical Education	Beginning Kinesiology <u>or</u> Junior Reserve Officers' Training Corps (JROTC)	1
Career Preparedness	Students are required to complete an accompanying financial literacy examination as part of this course.	1
Health Education		.5
Arts Education and/or Career and Technical Education (CTE) and/or World Languages		3
Electives		2.5
Total Credits		24
<p>* Distance Learning: Effective for students entering the ninth grade in the 2009-2010 school year, Alabama students will be required to complete one online/technology enhanced course or experience prior to graduation. Exceptions through Individualized Education Plans will be allowed.</p> <p>** Effective with the graduating Class of 2022, the following requirements shall be fulfilled on behalf of the graduating senior as part of the graduating senior's transition into postsecondary education, training, or the workforce: Submit to the United States Department of Education a Free Application for Federal Student Aid (FAFSA) or Certify a non-participation waiver, in writing, to the superintendent of the local education agency if the graduating senior chooses not to complete and submit FAFSA</p> <p>***Effective with the graduating Class of 2026, the Alabama High School Diploma: General Education Pathway shall be issued to students who earn the required credits and earn one or more of the college and career readiness indicators approved by the Alabama State Board of Education.</p>		

ALABAMA HIGH SCHOOL GRADUATION REQUIREMENTS
Graduating Class of 2028 & Beyond
Option B

COURSE REQUIREMENTS			
English Language Arts	<u>Four credits to include:</u>	<u>Credits</u>	
	English 9	1	
	English 10	1	
	English 11	1	
	English 12	1	
	English Language Arts credit-eligible options may include: Advanced Placement/post secondary courses/SDE-approved courses		
English Language Arts Total Credits		4	
Mathematics	<u>Two credits to include:</u>	<u>Credits</u>	
	Algebra 1 or its equivalent/substitute	1	
	Geometry or its equivalent/substitute	1	
Mathematics Total Credits		2	
Science	<u>Two credits to include:</u>	<u>Credits</u>	
	Biology	1	
	A physical science (Chemistry, Physics, Physical Science)	1	
Science Total Credits		2	
Social Studies	<u>Four credits to include:</u>	<u>Credits</u>	
	World History	1	
	United States History I	1	
	United States History II	1	
	United States Government	.5	
	Economics	.5	
	Social Studies credit-eligible options may include: Advanced Placement/postsecondary courses/SDE-approved courses.		
	<u>CIVIC EXAM REQUIREMENT:</u> Students are required to earn a passing score on the Civics Exam		
Social Studies Total Credits		4	
Physical Education	Beginning Kinesiology <u>or</u> Junior Reserve Officers' Training Corps (JROTC)	1	
Career Preparedness	Students are required to complete an accompanying financial literacy examination as part of this course.	1	

Health Education		.5
Career and Technical Education	Credits must be earned from an approved CTE Program of Study, resulting in CTE Completer status.	3
Electives		6.5

Total Credits		24
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* Distance Learning: Effective for students entering the ninth grade in the 2009-2010 school year, Alabama students will be required to complete one online/technology enhanced course or experience prior to graduation. Exceptions through Individualized Education Plans will be allowed.

** Effective with the graduating Class of 2022, the following requirements shall be fulfilled on behalf of the graduating senior as part of the graduating senior's transition into postsecondary education, training, or the workforce: Submit to the United States Department of Education a Free Application for Federal Student Aid (FAFSA) or Certify a non-participation waiver, in writing, to the superintendent of the local education agency if the graduating senior chooses not to complete and submit FAFSA

***Effective with the graduating Class of 2026, the Alabama High School Diploma: General Education Pathway shall be issued to students who earn the required credits and earn one or more of the college and career readiness indicators approved by the Alabama State Board of Education.

DIPLOMA DISTINCTIONS

Academic Honors Distinction

1. Two credits in Honors courses
2. Three credits in Advanced Placement courses
3. Two credits in a single world language
4. Geometry with Data Analysis, Algebra I with Probability, or a higher math, Algebra II with Statistics, one additional Mathematics credit
5. Biology, Chemistry, and two additional science credits
6. All other course requirements of the Alabama diploma.

Advanced Placement Distinction:

1. Three credits in Honors courses
2. Seven credits in Advanced Placement courses
3. Geometry with Data Analysis, Algebra I with Probability, Algebra II with Statistics, one additional Mathematics credit
4. Four credits in world languages (at least two in a single language – with advance notice that some colleges/universities require four credits in a single language)
5. Biology, Chemistry, and two additional science credits
6. All other course requirements of the Alabama diploma

First 30 Distinction:

1. A minimum of 30 college credit hours earned through Dual Enrollment
2. A minimum of two credits in a single world language
3. All other course requirements of the Alabama diploma

Career/Technical Education Distinction:

1. Three credits in a given area of Career Technical and Specialized Education (completer) OR
2. One credit in a given area of Career/Technical Education and two credits in sequence in another area of Career Technical and Specialized Education (concentrator)
3. Other requirements of the basic diploma (four credits in English, four credits in Social Studies, ½ credit in Health Education, etc.)

Athletics Distinction:

1. Four years of participation in any sport
2. Four credits in Athletic Physical Education (NOTE: Weight Lifting/Conditioning may be substituted with approval of the Athletic Director)
3. Meet course requirements for NCAA eligibility. (16 credits in NCAA approved courses. Courses are designated in Charting Your Course with the NCAA logo. You do not have to create an NCAA account to meet this criterion.)

4. All other course requirements of the Alabama diploma

Early College Associates Degree:

1. A student must complete all requirements of the Alabama High School Diploma
2. A student must complete all requirements for a specified College Associate Degree

Florence Academy of Fine Arts Distinction:

1. In order to receive the Fine Arts Distinction, you must declare a Fine Arts area of study.
2. Must complete seven credits in Fine Arts, four in the area of declared study, and three electives from the Fine Arts curriculum (See Florence Academy of Fine Arts section in this guide for individual program of study requirements.)
3. Fine Arts participants are encouraged to participate in all regional and state competitions and activities for the declared area of study.
4. All other course requirements of the Alabama diploma.

Seal of Biliteracy:

To earn the Alabama Seal of Biliteracy, a student must:

1. Complete the high school graduation requirements.
2. Demonstrate proficiency in one of the English language proficiency criteria options on Chart 1.
3. Demonstrate proficiency in one or more World languages other than English through one of the World Language Proficiency Criteria Options on Chart 2.

Chart 1: English Language Proficiency Criteria Options (qualify based on one of the bulleted options)

- ACT English: A score of 18 or higher.
- ACT Reading: A score of 20 or higher.
- Advanced Placement Language Examination: A score of three (3) or higher.
- WIDA ACCESS 2.0: For non-native English speakers, the student shall meet and maintain Alabama exit criteria in English proficiency. A composite score of Level 4.8 or higher.

Chart 2: World Language Proficiency Criteria Options (qualify based on one of the bulleted options)

- The Advanced Placement Language Examination: A score of three (3) or higher.
- American Council of Teachers of Foreign Language Assessment of Performance toward Proficiency in Languages: An Intermediate Mid-3 or higher score in all four components.
- American Council of Teachers of Foreign Language Oral Proficiency Interview Writing Proficiency Test: A score of intermediate mid level.
- American Council of Teachers of Foreign Language Latin Interpretive Reading Assessment: A score of intermediate Mid-Level Three (3) or higher.

COLLEGE/CAREER READINESS

NOTE: *Receiving a College and Career Readiness Credential is a requirement for graduation beginning with the class of 2025-2026.*

Students in public schools are declared College/Career-Ready if they achieve any of the indicators on the following list:

1. Benchmark score on any section of the ACT
2. Qualifying score on an Advanced Placement Exam
3. Approved transcribed college or postsecondary credit while in high school
4. Benchmark on the ACT WorkKeys (Silver)
5. Approved industry credential
6. Verification of acceptance into the military
7. Successful partnership in the 12 for Life program
8. Complete three credits in a CTE pathway with a grade of “C” or higher
9. Successful completion of a registered apprenticeship

ESSENTIALS PATHWAY

Effective with the 2017-2018 school year, only students with disabilities will be allowed to enroll in Essentials courses. Careful consideration should be given before a student is allowed to enroll in one of the Essentials Pathway courses. If a student takes four or more core courses on the Essentials Pathway, he or she is required to complete the work component requirements of this pathway. It is important for each student to pursue the coursework that is appropriate for his or her desired post-school outcome. These courses may or may not be accepted by four-year colleges, and will not be accepted by the National Collegiate Athletic Association (NCAA). Students who plan to attend a postsecondary institution must meet the admission requirements of the selected institution. For May 2017 graduates, only students who completed the course requirements for the general education pathway which is fully aligned with the state's academic standards will count in the United States Department of Education (USDOE) 2017 Graduation Rate for Alabama. Students who followed the Essentials Pathway and/or the Alternate Achievement Standards (AAS) Pathway will not count as graduates in the USDOE Four-Year Cohort Graduation Rate. They will, however, receive an Alabama High School Diploma (AHSD).

ENGLISH ESSENTIALS 9, 10, 11, 12	Credit: 1	FEE: None
01001X1001-Eng Ess9; 01002X1002-Eng Ess10; 01003X1003-Eng Ess11; 01004X1004-Eng Ess12		
These courses are designed to provide practical knowledge of reading, literature, writing and language, research and inquiry, and oral and visual communication. <i>Only students on the Essentials Pathway should enroll in this course.</i>		

GEOMETRY ESSENTIALS A, B	Credit: 1	FEE: None
02079X1071– Geometry Essentials A; 02079X1072 – Geometry Essentials B		
These courses provide students with the foundation skills identified in the general education mathematics courses. Emphasis is on basic operations involving angle measurement, measurement of circles, and the surface area of rectangular solids. <i>Only students on the Essentials Pathway should enroll in this course.</i>		

ALGEBRAIC ESSENTIALS A, B	Credit: 1	FEE: None
02053X1071 - Algebraic Essentials A; 02054X1072 - Algebraic Essentials B		
Students who have mastered essential mathematics skills are now ready to move into Algebra. Emphasis is on basic operations involving integers, and numerical expressions, algebraic expressions. Also included are functional mathematical concepts to equip students with the skills necessary for employment and independent living. <i>Only students on the Essentials Pathway should enroll in this course.</i>		

ESSENTIALS BIOLOGY (Grades 9-12)	03051X1000	Credit: 1	FEE:\$10.00
This course is designed to provide students with practical knowledge of biology including the scientific process and application skills, cell processes, cell theory, photosynthesis and cellular respiration, genetics, classification, plants, animals, ecology, and biogeochemical cycles. <i>Only students on the Essentials Pathway should enroll in this course.</i>			

ESSENTIALS PHYSICAL SCIENCE (Grades 9-12)	03159X1000	Credit: 1	FEE: None
This course is designed to provide students with practical knowledge of physical science including the scientific process and applications skills; the periodic table; solutions; bonding; chemical formulas; physical and chemical changes; gravitational, electromagnetic, and nuclear forces; motion; energy; energy transformation; electricity and magnetism; nuclear science; and metric units. <i>Only students on the Essentials Pathway should enroll in this course.</i>			

ESSENTIALS EARTH AND SPACE (Grades 9-12)	03008X1000	Credit: 1	FEE:\$10.00
This course is designed to provide students with a practical knowledge of Earth and Space science including the scientific process and application skills; energy in the Earth system; weather; seasons; theories for the origin and age of the universe; stars, pulsars, quasars, black holes, and galaxies; Earth and Space scientists; and space exploration. <i>Only students on the Essentials Pathway should enroll in this course.</i>			
ESSENTIALS HUMAN ANATOMY/PHYSIOLOGY (Grades 9-12)	03053X1000	Credit: 1	FEE:\$10.00
This course is designed to provide students with practical knowledge of human anatomy/physiology, including the scientific process and applications skills. <i>Only students on the Essentials Pathway should enroll in this course.</i>			
ESSENTIALS: WORLD HISTORY (Grade 9)	04051X1000	Credit: 1	FEE: None
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. <i>Only students on the Essentials Pathway should enroll in this course.</i>			
ESSENTIALS: U. S. HISTORY TO 1877 (Grade 10)	04102X1011	Credit: 1	FEE: None
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. <i>Only students on the Essentials Pathway should enroll in this course.</i>			
ESSENTIALS: U. S. HISTORY SINCE 1877 (Grade 11)	04103X1011	Credit: 1	FEE: None
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. <i>Only students on the Essentials Pathway should enroll in this course.</i>			
ESSENTIALS: ECONOMICS ½ Credit (Grade 12) (This course also satisfies Career Preparedness B requirement)	04201X0511	Credit: 0.5	FEE: None
This 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 adjust to the changes that will improve their lives and their communities. <i>Only students on the Essentials Pathway should enroll in this course.</i>			
ESSENTIALS: U. S. GOVERNMENT (Grade 12)	04151X0511	Credit: 0.5	FEE: None
This one-semester course 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. <i>Only students on the Essentials Pathway should enroll in this course.</i>			


NCAA: NATIONAL COLLEGIATE ATHLETIC ASSOCIATION



1. **Eligibility:** High school student-athletes must meet eligibility requirements and there are also requirements for athletic participation in college. The following information is provided to students with aspirations of participating in collegiate sports.
 - a. NCAA Eligibility Center – The NCAA Eligibility Center is the organization that helps colleges determine the eligibility of high school athletes. ***It is a student athlete’s responsibility to register with the Eligibility Center*** and have his/her transcript sent to the NCAA.
 - i. **When:** Students should register during the second semester of the 10th-grade year.
 - ii. **How:** <https://web3.ncaa.org/ecwr3/>
 - b. ACT/SAT – Colleges must have student athletes’ test scores in order to determine eligibility. Test scores must also be sent to the Eligibility Center. The NCAA requires that scores be sent **directly** from the testing company to the Eligibility Center. Students accomplish this by completing the appropriate paperwork for each test and may designate that scores be sent to the Eligibility Center by using code 9999.
 - i. **When should the test be taken?** Preferably during the 11th grade (tests may be taken more than once).
 - c. Transcript – The Eligibility Center will evaluate students’ transcripts by noting the 16 required core courses, calculating the core GPA, and then making a determination on an athlete’s eligibility based on the student athlete’s GPA and test scores.

(Approved core courses for Florence High School are designated in *Charting Your Course* with the NCAA logo and may be viewed on the Eligibility Center website.)

NOTES

1. Many online courses taken through ACCESS are approved by the NCAA. See the [ACCESS-approved course listing](#) for additional information. Florence City Schools virtual courses that are NCAA approved include the NCAA logo  next to the name in this guide. Please consult your school counselor for questions.
2. NCAA’s initial-eligibility academic standards have changed for Student-athletes who are considering enrollment in an NCAA Division I college or university. These changes are effective for tenth graders in 2013-2014 and all students thereafter. See your guidance counselor for complete detail

**GRADING & PROMOTION INFORMATION
GRADING SCALE: FLORENCE CITY SCHOOLS**

A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

GRADE POINT AVERAGE (GPA SCALE)

Students electing to participate in rigorous academic courses such as Honors, Dual Enrollment, and Advanced Placement (AP) are given additional weight. The weighted Grade Point Average (GPA) will be recorded on student's report cards, high school transcripts, and included in students' overall GPA calculations. Secondary credits for regular, Honors/PreAP, Dual Enrollment, and AP shall be awarded according to the following scale:

Letter Grade	Regular Courses	Honors/PreAP/Dual Courses	AP Courses
		Weight Standard/Numerical	Weight Standard/Numerical
A	4.0	5.0/10 points	6.0/20 points
B	3.0	4.0/10 points	5.0/20 points
C	2.0	3.0/10 points	4.0/20 points
D	1.0	2.0/10 points	3.0/20 points
F	0.0	0.0	0.0

Implementation begins during the 2019-20 school year.

All board policies are located on the Florence City website at <https://www.florencek12.org/domain/2599>.

GRADES FOR TRANSFER STUDENTS

The transcripts for some students who transfer into Florence City Schools from other schools/school systems bear only alphabet grades. When that occurs, Florence City Schools convert the grades according to this schedule:

A+ 98	A 95	A- 92
B+ 88	B 85	B- 82
C+ 78	C 75	C- 72
D+ 68	D 65	D- 62
		F 59

PROGRESS REPORTS/REPORT CARDS/POWERSCHOOL PARENT PORTAL

No printed grade reports are issued; instead, all reports can be accessed through our online parent portal.

Progress Reports and Report Cards:

Comprehensive progress reports are continually updated so custodial contacts can see currently posted grades for their student(s) in the portal. For instructions on how to see this information, please contact the main office at your student's school.

PROMOTION INFORMATION

Promotions for students in **grades 9-12 beginning with the Class of 2023**, students will be promoted according to their ninth-grade cohort year. All required credits must be completed prior to earning the Alabama High School diploma.

COURSE SELECTION AND SCHEDULE CHANGES

Florence High School and Florence Freshman Center master schedules are built based on student course selections made each spring semester. Teachers are hired and the number of times each course is to be offered during the year are based on the students' requests that are submitted during the spring scheduling process. Teachers' schedules and the courses that they will teach are determined during the spring scheduling process in order for teachers to plan for instruction during the summer months. Based on these factors, students and parents should understand the decision made during the spring scheduling process is of the utmost importance, not only to the student but to the functioning of the school as a whole.

Registration Procedures:

- Informational meetings for parents/guardians and students are held at school(s) in February.
- Counselors schedule meetings with students through classrooms and/or individually as needed to provide instructions and information regarding course curriculum and procedures for making course selections and requests for the upcoming school year in PowerSchool. During these meetings, procedures and forms for participation in Dual Enrollment, Launch, Co-Op, 12 4 Life, etc. are also provided as needed to interested students during this time.
- Students are encouraged to review course selection procedures to include their course selections with their parents/guardians, and to finalize decisions together.
- Students' schedules are made available for review on PowerSchool parent and student portals at an announced time in the summer prior to when school begins for the upcoming year.
- Students not completing and submitting course selections by the deadline will have their course selections determined by their counselor.

Schedule Change Procedures:

- Students will be allowed to make schedule change requests through the **first five days of school** during the First Semester ONLY of the school year. After this, course changes are not permitted and students will remain in the course for the remainder of the course.
- Schedule change procedures will be announced once schedules have been released. This procedure will most likely be an electronic form to be submitted to the appropriate Grade counselor. **PLEASE NOTE: Fees are added to student accounts once schedules have been finalized on or before the first day of school. If a student requests a schedule change, the student must contact bookkeeping to have fees for courses not taken removed from their account.**
- Please be aware, course requests are subject to course availability and pre-requisite requirements.
- Students and parents are not allowed to make schedule changes once the deadline has passed. This includes courses offered through ACCESS Distance Learning.
- The school reserves the right to make schedule changes at any time.

A STUDENT EARNS ONE CREDIT FOR SUCCESSFUL COMPLETION OF BOTH SEMESTERS OF ANY COURSE DESCRIBED IN THE FOLLOWING PAGES UNLESS OTHERWISE NOTED.

ENGLISH LANGUAGE ARTS - 4 Credits required (see below)

The English Language Arts curriculum in grades 9-12 follows the College and Career Ready Standards and covers the four strands of communication: Reading, Writing, Speaking and Listening. Four English language arts credits are required for graduation.

In addition to the Alabama High School Diploma (AHSD), Florence City Schools allows various distinctions that can be found in the diploma distinctions section of this guide. *In addition to the courses listed below, Dual Enrollment and Virtual courses are available for select courses (see dual enrollment and virtual sections at the end of this guide for details).*



Recognizing that many of our students are involved in numerous outside of class activities, [Summer Reading lists](#) are provided on our Florence City Schools website in grades 6-12 for the purpose of helping students and families preview and prepare for novel studies in the upcoming school year. Summer Reading is encouraged.

The courses listed below are suggestions as a guide to help you in planning your path toward the English language arts graduation requirement. Please consult a counselor or an English department instructor for additional information. Students electing to participate in rigorous academic courses such as Honors, Dual Enrollment, and Advanced Placement (AP) are given additional weight. The weighted Grade Point Average (GPA) will be recorded on student's high school transcripts, and included in students' overall GPA calculations. See the *Grading and Promotion* section of this guide for additional information on weighted courses.


	9th Grade	10th Grade	11th Grade	12th Grade
Regular Courses	• English Grade 9	• English 10	• English 11	• English 12
Weighted Courses	• PreAP English II (9th grade)	• AP Seminar	• AP English Language & Composition (includes dual enrollment option)	• AP English Literature & Composition

For increased opportunities to explore Career Tech, Fine Arts, World Languages, 12 for Life, and Launch, many of the above courses are offered during Maymester, Summer Get Ahead, and Virtually during the school year. For additional information, please consult those specific sections of this guide or consult your school counselor.

ENGLISH LANGUAGE ARTS COURSE OPTIONS

	ENGLISH 9	01001G1000	Credit: 1	FEE: None
<p>This course develops an appreciation for literature by increasing fluency in both reading and writing, improving grammar proficiency, and building communication and presentation skills. Students in English 9 read and analyze a variety of world literature texts through 1599 in order to increase familiarity with narrative, expository, descriptive, and persuasive writing. Successful completion of this course satisfies the state graduation requirement for one of the four English credits.</p>				
	Pre-AP English 2 (Pre-AP English 9)	01005E10PR	Credit: 1	FEE: None

This course builds on the foundations of Pre-AP English 1. While English 1 introduces the fundamentals of close observation, critical analysis, and the appreciation of author’s craft, English 2 requires students to apply those practices to a new array of nonfiction and literary texts. As readers, students become aware of how poets, playwrights, novelists, and writers of nonfiction manipulate language to serve their purposes. As writers, students compose more nuanced analytical essays while never losing sight of craft and cohesion.

 English 9, Honors (VIRTUAL ONLY)	01001H1000	Credit: 1.0	FEE: None
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An accelerated course, English 9 Honors is offered virtually only and thoroughly prepares students for the rigor and pace of Advanced Placement Language and Literature courses. English 9 Honors increases student acquisition of grammar and communication skills, develops a strong appreciation of World Literature, and develops both analytical and writing skills and individual writing styles. This course places emphasis on essay writing and revision. Successful completion of this course satisfies the state graduation requirement for one of the four English credits.

 ENGLISH 10	01002G1000	Credit: 1	FEE: None
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Prerequisite: English 9 or Advanced Level English 9 course

Tenth grade English course emphasizes texts originating outside the United States and the British Isles from 1600 to the present and offers an overview of the integration of listening, speaking, reading, writing, and viewing skills. This course assists the student in grasping relationships among all five aspects of language. Vocabulary building and research skills are included. Successful completion of this course satisfies the state graduation requirement for one of the four English credits.

 AP Seminar/English Grade 10	01013E1001	Credit: 1	FEE: None *Cost of AP exam
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Prerequisite: English 9 or Advanced Level English 9 course

English courses expose students to a variety of texts covering multiple genres, topics, and rhetorical contexts in a seminar-style setting. These courses foster students’ ability to summarize and explain the salient ideas in a text by analyzing an author’s perspective, rhetorical choices, and argumentative structure. Students evaluate a variety of literary, informational, and visual texts, and synthesize perspectives to develop evidence-based arguments. Students convey their findings through multiple written formats, multimedia presentations, and oral defenses. **NOTE: AP exam fees MUST be paid by November 1 each year. As of now, AP Seminar exam fee will be paid for by the Alabama State Department of Education.*

 English 10, Honors (VIRTUAL ONLY)	01002H1000	Credit: 1.0	FEE: None
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Prerequisite: English 9 or Advanced Level English 9 course


An accelerated course, English 10 Honors is offered virtually and covers Early Literature (pre-1900) and is designed to prepare the motivated English student for entry into eleventh-grade Advanced Placement English Language and Composition. This course offers an in-depth approach to selected works of literature and writing skills. Vocabulary, language usage, writing (expository, narrative, persuasive, and analytical), oral

activities, and critical thinking skills are studied and practiced extensively. Successful completion of this course satisfies the state graduation requirement for one of the four English credits.

	ENGLISH 11	01003G1000	Credit: 1	FEE: None
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Prerequisite: Successful completion of English 10 or an Advanced Level English 10 course.

In this course, students read from American literature while writing and discussing responses to ideas, characters, and styles. They read novels, biographies, short stories, plays, poetry, and nonfiction as bases for skill-building. Students in this course are actively involved in practices that link the language strands of listening, speaking, reading, writing, and viewing. Successful completion of this course satisfies the state graduation requirement for one of the four English credits.

	AP ENGLISH LANGUAGE AND COMPOSITION (Grade 11) includes dual enrollment opportunity: ENG101	01005E1000	Credit: 1	FEE: None, *Cost of AP exam / dual enrollment
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Prerequisite: Successful completion of English 10 or an Advanced Level English 10 course.

AP English Language and Composition is an introductory college-level composition course. This course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts--including images as forms of text--from a range of disciplines and historical periods. Successful completion of this course satisfies the state graduation requirement for one of the four English credits. Students will be required to pay the cost of the AP Exam. Competitive exam scholarship opportunities are available. Application details may be obtained in the guidance office.

**NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see counseling or bookkeeping for information.*

**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*

	ENGLISH 11 (VIRTUAL ONLY)	01003G10V	Credit: 1	FEE: None
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Prerequisite: Successful completion of English 10 or an Advanced Level English 10 course.

In this virtual course, students read from American literature while writing and discussing responses to ideas, characters, and styles. They read novels, biographies, short stories, plays, poetry, and nonfiction as bases for skill-building. Students in this course are actively involved in practices that link the language strands of listening, speaking, reading, writing, and viewing. Successful completion of this course satisfies the state graduation requirement for one of the four English credits.

	ENGLISH 12	01004G1000	Credit: 1	FEE: None
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Prerequisite: Successful completion of English 11 or AP English Language and Composition.

Through a survey of world literature, with an emphasis on British literature, students become more proficient in communication skills. Revising for clarity and effectiveness is a major goal, as well as editing for accepted conventions of the language. Bringing together the range of language skills learned throughout the grades, students in this course engage in critical listening, speaking, reading, writing, and viewing activities to further develop their thinking and problem-solving abilities. Successful completion of this course satisfies the state graduation requirement for one of the four English credits.

	AP ENGLISH LITERATURE AND COMPOSITION (Grade 12)	01006E1000	Credit: 1	FEE: None *Cost of AP exam
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Prerequisite: Successful completion of English 11 or AP English Language and Composition.

AP English Literature and Composition is an introductory college-level composition course. This course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. Successful completion of this course satisfies the state graduation requirement for one of the four English credits. Students will be required to pay the cost of the AP Exam. Competitive exam scholarship opportunities are available. Application details may be obtained in the guidance office. **NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see bookkeeping for information.*

	ENGLISH 12 (VIRTUAL ONLY)	01004G10V	Credit: 1	FEE: None
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Prerequisite: Successful completion of English 11 or an Advanced Level English 11 course.

This virtual course is a survey of world literature, with an emphasis on British literature, students become more proficient in communication skills. Revising for clarity and effectiveness is a major goal, as well as editing for accepted conventions of the language. Bringing together the range of language skills learned throughout the grades, students in this course engage in critical listening, speaking, reading, writing, and viewing activities to further develop their thinking and problem-solving abilities. Successful completion of this course satisfies the state graduation requirement for one of the four English credits.

MATHEMATICS - 4 Credits required (see below)

The Alabama State Board of Education passed the 2019 [Alabama Course of Study for Mathematics](#) on December 12, 2019. The high school mathematics courses focus on empowering students in three areas:

- meeting their postsecondary goals, whether they pursue additional study or enter the workforce;
- functioning as effective citizens who can use mathematics to make responsible decisions about their own lives and about society as a whole; and
- recognizing mathematics as an inspiring, enjoyable, and significant human achievement.

Meeting these goals requires students to understand that “mathematics is more than finding answers; mathematics requires reasoning and problem-solving in order to solve real-world and mathematical problems.”

At the high school level, it is particularly important that students consistently use technology and other appropriate mathematical tools to explore and develop a deep understanding of the mathematics they are studying. Ensuring that all students receive the preparation they deserve requires an unrelenting focus on developing their deep understanding of the most critical content that they will need not simply to pass the next test or course, but also to function effectively throughout their lives.

In order to ensure the necessary focus on this critical content, these standards build on “essential concepts” for high school mathematics described by the National Council of Teachers of Mathematics (NCTM, 2018) in *Catalyzing Change in High School Mathematics: Initiating Critical Conversations*. These essential concepts are designed to be achieved by all students within the first three years of high school mathematics, and they form the foundation for additional coursework designed to meet students’ specific post-high school needs and interests. Note in particular the emphasis on statistics and probability, which are increasingly important in today’s world.

The courses listed below are suggestions as a guide to help you in planning your path toward the Mathematics graduation requirement. Please consult a counselor or a Math department instructor for additional information. Students electing to participate in rigorous academic courses such as Honors, Dual Enrollment, and Advanced Placement (AP) are given additional weight. The weighted Grade Point Average (GPA) will be recorded on student's high school transcripts, and included in students’ overall GPA calculations. See the *Grading and Promotion* section of this guide for additional information on weighted courses.


	9th Grade	10th Grade	11th Grade	12th Grade
Regular Courses	<ul style="list-style-type: none"> ● Geometry w/Data Analysis 	<ul style="list-style-type: none"> ● Algebra I with Probability 	<ul style="list-style-type: none"> ● Algebra II w/ Statistics 	<ul style="list-style-type: none"> ● Career Mathematics ● Programming Foundations ● Intro to Engineering - PLTW
Weighted Courses	<ul style="list-style-type: none"> ● PreAP Geometry w/Data Analysis <i>IF you DID NOT take Accelerated Math 7 and Accelerated Math 8 and would like to be on the advanced math track, you <u>MUST</u> take a geometry from above <u>AND</u> also take Algebra I or Pre-AP Algebra I with Probability</i> 	<ul style="list-style-type: none"> ● PreAP Algebra I <i>IF passed Accelerated Math 7 and Accelerated Math 8 THEN</i> ● PreAP Algebra II w/ Statistics 	Choose from any of these options in 11th and or 12th grade: <ul style="list-style-type: none"> ● PreAP Algebra II (if not already taken) ● Math 100/112 (dual enrollment) ● AP PreCalculus ● AP Computer Science Principles ● AP Computer Science A ● AP Statistics ● AP Calculus AB ● AP Calculus BC 	

For increased opportunities to explore Career Tech, Fine Arts, World Languages, 12 for Life, and Launch, many of the above courses are offered during Maymester, Summer Get Ahead, and Virtually during the school year. For additional information, please consult those specific sections of this guide or consult your school counselor.


MATHEMATICS COURSE OPTIONS

	MATHEMATICS LAB, CO-REQUISITE (Grades 9-12)	02996G1000	Credit: 1	FEE: None
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Students who have demonstrated a need for mathematics support will be placed in a Mathematics lab. Student assignment to this class period and the length of this class period are at the LEA's discretion. **Credit for this class period would count as elective credit, not mathematics credit.**

	GEOMETRY WITH DATA ANALYSIS (Grade 9)	02073G1000	Credit: 1	FEE: None
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Geometry with Data Analysis is a newly designed course that builds on the student’s experiences in the middle grades. It is the first of three required courses in high school mathematics, providing a common Grade 9 experience for all students entering high-school-level mathematics. Geometry with Data Analysis builds essential concepts necessary for students to meet their postsecondary goals (whether they pursue additional study or enter the workforce), to function as effective citizens, and to recognize the wonder, joy, and beauty of mathematics (NCTM, 2018). It is important because it develops mathematical knowledge and skills through visual representations prior to the more abstract development of algebra. Beginning high school mathematics with Geometry with Data Analysis in Grade 9 offers students the opportunity to build their reasoning and sensemaking skills, see the applicability of mathematics, and prepare more effectively for further studies in algebra. The course also focuses on data analysis, which provides students with tools to describe, show, and summarize data in the world around them. In Geometry with Data Analysis, students incorporate knowledge and skills from several mathematics content areas, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study.

	GEOMETRY WITH DATA ANALYSIS (Grade 9) (Virtual Only)	02073G1000V	Credit: 1	FEE: None
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This virtual course builds on the student’s experiences in the middle grades. It is the first of three required courses in high school mathematics, providing a common Grade 9 experience for all students entering high-school-level mathematics. Geometry with Data Analysis builds essential concepts necessary for students to meet their postsecondary goals (whether they pursue additional study or enter the workforce), to function as effective citizens, and to recognize the wonder, joy, and beauty of mathematics (NCTM, 2018). It is important because it develops mathematical knowledge and skills through visual representations prior to the more abstract development of algebra. Beginning high school mathematics with Geometry with Data Analysis in Grade 9 offers students the opportunity to build their reasoning and sensemaking skills, see the applicability of mathematics, and prepare more effectively for further studies in algebra. The course also focuses on data analysis, which provides students with tools to describe, show, and summarize data in the world around them. In Geometry with Data Analysis, students incorporate knowledge and skills from several mathematics content areas, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study.

	PRE-ADVANCED PLACEMENT GEOMETRY WITH DATA ANALYSIS (Grades 9)	02073E10PR	Credit: 1	FEE: None
<p>Pre-AP Geometry with Statistics is designed to provide students with a meaningful conceptual bridge between algebra and geometry to deepen their understanding of mathematics. The areas of focus include connections among multiple representations where students represent mathematical concepts in a variety of forms and move fluently among the forms, greater authenticity of applications and modeling where students create and use mathematical models to understand and explain authentic scenarios and engagement in mathematical argumentation, where students use evidence to craft mathematical conjectures and prove or disprove them.</p>				
	ALGEBRA I WITH PROBABILITY	02052G1000	Credit: 1	FEE: None
<p>Algebra I with Probability builds upon algebraic concepts studied in the middle grades. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. This is one of three courses required for all students.</p> <p>This course provides experiences for students to see how mathematics can be used systematically to represent patterns and relationships among numbers and other objects, analyze change, and model everyday events and problems of life and society. Algebra I with Probability emphasizes functions including linear, absolute value, quadratic, and exponential. Properties of algebra are applied to convert between forms of expressions and to solve equations. Parallels are drawn between conditions and events in probability and inputs and outputs of functions.</p>				
	ALGEBRA I WITH PROBABILITY (VIRTUAL ONLY)	02052G1000V	Credit: 1	FEE: None
<p>This virtual course builds upon algebraic concepts studied in the middle grades. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. This is one of three courses required for all students.</p> <p>This course provides experiences for students to see how mathematics can be used systematically to represent patterns and relationships among numbers and other objects, analyze change, and model everyday events and problems of life and society. Algebra I with Probability emphasizes functions including linear, absolute value, quadratic, and exponential. Properties of algebra are applied to convert between forms of expressions and to solve equations. Parallels are drawn between conditions and events in probability and inputs and outputs of functions.</p>				
	COLLEGE BOARD APPROVED PRE-AP ALGEBRA I	02052E10PR	Credit: 1	FEE: None
<p>Prerequisite: Successful completion of Geometry with Data Analysis or Advanced Level Geometry with Data Analysis course</p>				

In Pre-AP Algebra 1, students develop a deep understanding of linear relationships emphasizing patterns of change, multiple representations of functions and equations, modeling real-world scenarios with functions, and methods for finding and representing solutions of equations and inequalities. Taken together, these ideas provide powerful conceptual tools that students can use to make sense of their world through mathematics.

	ALGEBRA II WITH STATISTICS	02056G1000	Credit: 1	FEE: None
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Prerequisite: Successful completion of Geometry with Data Analysis and either Algebra I with Probability or the middle school accelerated sequence

Algebra II with Statistics is a newly designed course that builds on the student’s experiences in previous mathematics coursework. It is the third of three required courses, and it is to be taken following the successful completion of Geometry with Data Analysis and either Algebra I with Probability or the middle school accelerated sequence. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student’s interests and plans beyond high school.

In Algebra II with Statistics, students explore an expanded range of functions, including polynomial, trigonometric (specifically sine and cosine), logarithmic, reciprocal, radical, and general piecewise functions. Students also solve equations associated with these classes of functions. Students are introduced to the study of matrices. Students learn how to make inferences about a population from a random sample drawn from the population and how to analyze cause-and-effect by conducting randomized experiments.

	ALGEBRA II WITH STATISTICS (VIRTUAL ONLY)	02056G1000V	Credit: 1	FEE: None
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Prerequisite: Successful completion of Geometry with Data Analysis and either Algebra I with Probability or the middle school accelerated sequence

This virtual course builds on the student’s experiences in previous mathematics coursework. It is the third of three required courses, and it is to be taken following the successful completion of Geometry with Data Analysis and either Algebra I with Probability or the middle school accelerated sequence. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student’s interests and plans beyond high school.

In Algebra II with Statistics, students explore an expanded range of functions, including polynomial, trigonometric (specifically sine and cosine), logarithmic, reciprocal, radical, and general piecewise functions. Students also solve equations associated with these classes of functions. Students are introduced to the study of matrices. Students learn how to make inferences about a population from a random sample drawn from the population and how to analyze cause-and-effect by conducting randomized experiments.

	COLLEGE BOARD APPROVED PRE-AP ALGEBRA I I	02056E10PR	Credit: 1	FEE: None
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Prerequisite: Successful completion of Geometry with Data Analysis, and either Algebra I with Probability or the middle school accelerated sequence

Pre-AP Algebra II with Statistics is a rigorous course designed to build on the student’s experiences in previous mathematics coursework. It is designed to prepare students for coursework that is essential to careers in science, technology, engineering, or mathematics.

In Pre-AP Algebra II with Statistics, students explore an expanded range of functions, including polynomial, trigonometric (specifically sine and cosine), logarithmic, reciprocal, radical, and general piecewise functions. Students also solve equations associated with these classes of functions. Students are introduced to the study of matrices. Students learn how to make inferences about a population from a random sample drawn from the population and how to analyze cause-and-effect by conducting randomized experiments.

PROGRAMMING FOUNDATIONS (Grades 9 - 12)	10152G1001	Credit: 1	FEE: None
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Prerequisites: Programming Foundations is designed to be a college preparatory high school course and thus, should provide a rigorous, but accessible, introduction to computer science. No previous computer science experience is required.

Programming Foundations focuses on the fundamentals of computer programming, emphasizing computational thinking and problem-solving. Students will create authentic projects, using programming as a medium for creativity, communication, and innovation. Through hands-on practice, students will be introduced to Object-Oriented Programming (OOP) using the Python programming language, with the opportunity to earn an ITS Python industry certification. In addition, students will explore the basics of networking and cybersecurity. This course is designed to enhance logical thinking and develop the technical skills essential for programming success. It aligns with the Alabama Course of Study: Digital Literacy and Computer Science standards. NOTE: ***This course can count as a fourth Math, third or fourth Science, OR Career Tech credit.***

CAREER MATHEMATICS (Grades 11-12)	02153G1001	Credit: 1	FEE: None
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A one-credit course that provides students with the foundational knowledge and processes needed to apply mathematical concepts in a career setting. Emphasis is placed on applied problems in the areas of algebra, geometry, measurement, and probability and statistics.

This course can count as a fourth Math credit.

 APPLICATIONS OF FINITE MATHEMATICS (VIRTUAL ONLY)	02136G1000	Credit: 1	FEE: None
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Prerequisite: Successful completion of Algebra II with Statistics an Advanced Level Algebra II with Statistics course.

This virtual course provides students with the opportunity to explore mathematics concepts. Students who are interested in postsecondary programs of study that do not require calculus (such as elementary and early childhood education, English, history, art, music, and technical and trade certifications) would benefit from choosing Applications of Finite Mathematics as their fourth high school mathematics credit.

The wide range of topics in Applications of Finite Mathematics includes logic, counting methods, information processing, graph theory, election theory, and fair division. This course is an important non-calculus option that presents mathematics as relevant and meaningful in everyday life. Its objective is to help students experience the usefulness of mathematics in solving problems that are frequently encountered in today's complex society.

Intermediate College Algebra (Grades 10-12) MTH 100	02999C1009	Credit: 1 Semester course	FEE: Dual
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Prerequisite: minimum ACT mathematics score of 18 OR required score on College/University placement test and one unit of high school algebra

Principles and techniques of elementary algebra, products, factors, and quotients of polynomials, operations with rational expressions, ratio, and proportion, rectangular coordinate system, systems of equations and inequalities, roots and radicals, second-year equations, and the quadratic formula. *Students may elect to earn one full dual enrollment credit in Math 100 provided university requirements are met. See the Dual Enrollment section of this guide or ask a counselor for more information about Dual Enrollment. *Dual fee is based on which college you attend. NOTE: This 1 credit course will be completed in 1 semester. *Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*

 PRECALCULUS (VIRTUAL ONLY)	02110G1000	Credit: 1	FEE: None
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Prerequisite: Successful completion of Algebra II with Statistics or an Advanced Level Algebra II with Statistics course.

This virtual course builds on the study of algebra and functions in Algebra II with Statistics, adding rational functions, all trigonometric functions, and general piecewise-defined functions to the families of functions considered. In addition to focusing on the families of functions, Precalculus takes a deeper look at functions as a system, including the composition of functions and inverses. Precalculus also expands on the study of trigonometry in previous courses and considers vectors and their operations.

 ADVANCED PLACEMENT (AP) PRECALCULUS	02110E1001	Credit: 1	FEE: None *Cost of AP exam
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Prerequisite: Successful completion of Algebra II with Statistics or an Advanced Level Algebra II with Statistics course.

In AP Precalculus, students explore everyday situations using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, an important practice for thriving in an ever-changing world.

AP Precalculus prepares students for other higher-level mathematics and science courses. The framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science. **NOTE: AP exam fees MUST*

be paid by November 1 each year. As of now, AP Precalculus exam fee will be paid for by the Alabama State Department of Education.

Precalculus Algebra (Grades 10-12) Math 112

02999C1002

Credit: 1
Semester course

FEE: Dual

Prerequisite: minimum ACT mathematics score of 20 OR required score on College/University placement test and one unit of high school algebra OR satisfactory completion of Math 100

This course emphasizes the algebra of functions - including polynomial, rational, exponential, logarithmic functions. The course also covers systems of equations and inequalities, quadratic inequalities, and the binomial theorem. Additional topics may include matrices, Cramer's Rule, and mathematical induction. *Students may elect to earn one full dual enrollment credit in Math 112 provided university requirements are met. See the Dual Enrollment section of this guide or ask a counselor for more information about Dual Enrollment. *Dual fee is based on which college you attend. NOTE: This 1 credit course will be completed in 1 semester.*

**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*



AP STATISTICS (Grades 11-12)

02203E1000

Credit: 1

FEE: None
*Cost of AP exam

Prerequisite: Successful completion of Algebra II with Statistics or an Advanced Level Algebra II with Statistics course.

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Four broad themes are included: exploring data, planning a study, anticipating patterns, and inferring results. Topics covered in this course are: planning and conducting surveys and experiments; producing models; probability and simulation; inferring statistical results using confidence intervals, tests of significance, and special cases of normally distributed data. Students will be required to pay the cost of the AP Exam. Competitive exam scholarship opportunities are available. Application details can be obtained in the guidance office. **NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see counselor or bookkeeping for information.*

**ADVANCED PLACEMENT (AP)
COMPUTER SCIENCE PRINCIPLES, (Grades 10-12)**




10019E1000

Credit: 1

FEE: None
*Cost of AP exam

Prerequisites: Successful completion Algebra II with Trigonometry or Algebra II with Trigonometry, Honors (Class of 2022 and 2023) or Algebra II with Statistics.

In this course, students acquire foundational computing skills including knowledge about the internet, data, and data manipulation. Additionally, they gain an understanding of the real-world impact of computing applications and programming literacy. ***This course may be used to satisfy the math requirement or a Career Tech elective.*** **NOTE: AP exam fees MUST be paid by November 1 each year. As of now, AP Computer Science Principles will be paid for by the Alabama State Department of Education.*

	AP COMPUTER SCIENCE, A (Grades 10-12)	10157E1000	Credit: 1	FEE: None *Cost of AP exam
Prerequisite: Programming Foundations				
A one credit college-level course following the curriculum established by the College Board Advanced Placement (AP) Program for computer science. Emphasizes object-oriented programming methodology with a concentration on problem-solving and algorithm development. <i>*NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see counselor or bookkeeping for information. This course can count as a fourth Math, third or fourth Science, OR Career Tech credit.</i>				
	AP CALCULUS AB (Grades 11-12)	02124E1000	Credit: 1	FEE: None *Cost of AP exam
Prerequisites: Successful completion of courses studied in algebra, geometry, trigonometry, analytic geometry, and elementary functions. Students should understand the properties of linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric, and piecewise-defined functions and know how to graph these functions and solve equations involving them. Students should also be familiar with algebraic transformations, combinations, compositions, and inverses for general functions)				
Students will explore the concepts, methods, and applications of differential and integral calculus. Students will work to understand the theoretical basis and solve problems by applying their knowledge and skills. Students will learn to determine expressions and values using mathematical procedures and rules, connect representation, justify reasoning and solutions, and use correct notation, language, and mathematical conventions to communicate results or solutions. Completion of this course and satisfactory performance on the AP examination will allow the student to enter second-semester Calculus in college. It is an Advanced Placement course and follows the College Board Syllabus. <i>*NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see counselor or bookkeeping for information.</i>				
	AP CALCULUS BC (Grades 11-12)	02125E1000	Credit: 1	FEE: None *Cost of AP exam
Prerequisites: Successful completion of courses studied in algebra, geometry, trigonometry, analytic geometry, and elementary functions. Students should understand the properties of linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric, and piecewise-defined functions, as well as sequences, series, and polar equations. You should know how to graph these functions and solve equations involving them. You should also be familiar with algebraic transformations, combinations, compositions, and inverses for general functions.				
Students will explore the concepts, methods, and applications of differential and integral calculus, including topics such as parametric, polar, and vector functions, and series. Students will perform experiments and investigations and solve problems by applying their knowledge and skills. Students will learn to determine expressions and values using mathematical procedures and rules, connect representations, justify reasoning and solutions, and use correct notation, language, and mathematical conventions to communicate results or solutions, and more. Completion of this course and satisfactory performance on the AP examination will allow the student to enter the third-semester Calculus in college. It is an Advanced Placement course and follows the College Board Syllabus. <i>*NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see counselor or bookkeeping for information.</i>				

SCIENCE - 4 Credits required (see below)

In grades 9-12, the Science curriculum is comprehensive in scope, offering courses in Life Science, Physical Science, and Earth/Space Science. All courses meet or exceed the standards prescribed in the statewide Science Course of Study and reflect the College- and Career- Ready Standards. Note: Many four-year colleges include Chemistry and Physics as admission requirements.


In addition to the courses listed below, Dual Enrollment and Virtual courses are available for select courses (see dual enrollment and virtual sections at the end of this guide for details).






The courses listed below are suggestions as a guide to help you in planning your path toward the Science graduation requirement. Please consult a counselor or a Science department instructor for additional information. Students electing to participate in rigorous academic courses such as Honors, Dual Enrollment, and Advanced Placement (AP) are given additional weight. The weighted Grade Point Average (GPA) will be recorded on students' high school transcripts, and included in students' overall GPA calculations. See the *Grading and Promotion* section of this guide for additional information on weighted courses.

	9th Grade	10th Grade	11th Grade	12th Grade
Regular courses	<ul style="list-style-type: none"> • Biology 	<ul style="list-style-type: none"> • Physical Science 	<ul style="list-style-type: none"> • Earth Science 	<ul style="list-style-type: none"> • Human Anatomy • Physics • Programming Foundations Principles of Engineering - PLTW(MUST have already taken Intro to Engineering)
Weighted courses	<ul style="list-style-type: none"> • PreAP Biology 	MUST take a physical science (chemistry, physics or physical science), other two science can be any science: PreAP Chemistry, AP Biology, AP Environmental, AP Physics I, AP Chemistry, AP Physics II, or AP Computer Science A		


For increased opportunities to explore Career Tech, Fine Arts, World Languages, 12 for Life, and Launch, many of the above courses are offered during Maymester, Summer Get Ahead, and Virtually during the school year. For additional information, please consult those specific sections of this guide or consult your school counselor.

SCIENCE COURSE OPTIONS

 BIOLOGY (Grade 9)	03051G1000	Credit: 1	FEE: None
<p>This course provides a survey of biological science with special emphasis placed on laboratory measurement and technique, cellular processes, photosynthesis, respiration, DNA, and genetics. Students study organism classification, ecology, and the transfer of energy through ecosystems, animal classification, and physiology of invertebrates and vertebrates, as well as classification, structure, and function, and life cycles of plants. Time is provided for dissections, experiments, presentations, and demonstrations. Successful completion of this course satisfies the state graduation requirement for one of the four science graduation credits.</p>			

	BIOLOGY (Grade 9) (VIRTUAL ONLY)	03051G1000V	Credit: 1	FEE: None
<p>This virtual course provides a survey of biological science with special emphasis placed on laboratory measurement and technique, cellular processes, photosynthesis, respiration, DNA, and genetics. Students study organism classification, ecology, and the transfer of energy through ecosystems, animal classification, and physiology of invertebrates and vertebrates, as well as classification, structure, and function, and life cycles of plants. Time is provided for dissections, experiments, presentations, and demonstrations. Successful completion of this course satisfies the state graduation requirement for one of the four science graduation credits.</p>				
	PRE-ADVANCED PLACEMENT (PRE-AP) BIOLOGY (Grade 9)	03051E10PR	Credit: 1	FEE:\$20.00
<p>This accelerated, academically challenging course includes an in-depth study of the biological sciences. Topics of study include laboratory measurement and technique, cellular structure and function, molecular biology, the processes of photosynthesis and cellular respiration, DNA, and genetics. This course also includes a detailed study of the six kingdoms of living organisms and the flow of energy through ecosystems. Dissections, experiments, and demonstrations make Pre-AP Biology challenging and exciting for the advanced science student. Successful completion of this course satisfies the state graduation requirement for one of the four science graduation credits.</p>				
	PHYSICAL SCIENCE (Grades 10-12)	03159G1000	Credit: 1	FEE: None
<p>This course is designed to provide students with practical knowledge of physical science, including the scientific process and applications skills; the periodic table; solutions; bonding; chemical formulas; physical and chemical changes; gravitational, electromagnetic, and nuclear forces; motion; energy; energy transformation; electricity and magnetism; nuclear science; and metric units. This course is designed as a support course for students' advancement into more rigorous math courses.</p>				
	PHYSICAL SCIENCE (Grades 10-12) (VIRTUAL ONLY)	03159G1000V	Credit: 1	FEE: None
<p>This course is designed to provide students with practical knowledge of physical science, including the scientific process and applications skills; the periodic table; solutions; bonding; chemical formulas; physical and chemical changes; gravitational, electromagnetic, and nuclear forces; motion; energy; energy transformation; electricity and magnetism; nuclear science; and metric units. This course is designed as a support course for students' advancement into more rigorous math courses.</p>				
	PRE-ADVANCED PLACEMENT (PRE-AP) CHEMISTRY(Grades 10 - 12)	03106E10PR	Credit: 1	FEE: \$20.00
<p>Prerequisite: Successful completion of a Biology course Co-requisite recommendation of Algebra II</p>				

This course is designed to prepare students for success in Advanced Placement science courses. Pre-AP Chemistry students are required to complete formal laboratory reports and analyze scientific data throughout the course. An in-depth study of chemical concepts is done throughout the year. Students should be independent learners, be readers with the ability to comprehend difficult concepts, and possess the ability to work at a fast pace. *Recommendation: Students should have achieved an 80 or higher in Biology to support success in this course.*


	ADVANCED PLACEMENT BIOLOGY (Grades 10 - 12)	03056E10 Dual#: 03056E1000	Credit: 1	FEE: \$20.00 *Cost of AP exam
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Prerequisite: Successful completion of a Biology

Possible Co-requisite: Chemistry course.


Note: Advanced level math and science courses help to prepare students with the rigorous work required for this course.

This course is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes - energy and communication, genetics, information transfer, ecology, and interactions. *Recommendation: Students should have achieved an 80 or higher in Chemistry to support success in this course.*NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see counseling or bookkeeping for information.*





	ADVANCED PLACEMENT CHEMISTRY (Grades 11 - 12)	03106E1000	Credit: 1	FEE: \$20.00 *Cost of AP exam
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Prerequisites: Successful completion of a Chemistry course AND an Algebra II course.

Designed for the academically talented student who is considering a degree in science, engineering or medicine, this course involves complex material and stresses problem- solving. Topics and laboratory work are college-level. *Recommendation: Students should have achieved an 85 or higher in Chemistry and in Algebra II to support success in this course.*NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see counseling or bookkeeping for information.*

	EARTH SCIENCE (Grades 11 - 12)	03008G1000	Credit: 1	FEE: None
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In this course students survey the structure of Earth and the dynamic processes that have shaped and continue to shape its structure. The main focus of this course is on the formation of rocks and minerals, weathering, erosion, deposition, and the ways that these elements shape our planet externally. It focuses on the internal structure of the Earth and the internal processes that shape the surface. The main focus is on plate tectonics, volcanism, mountain building, earthquakes, and the Earth's oceans. Special topics in meteorology as they relate to the shaping of the earth's surface are included. Practical application of these concepts is reinforced through laboratory experiments.

 EARTH SCIENCE (Grades 11 - 12) (VIRTUAL ONLY)	03008G1000V	Credit: 1	FEE: None
<p>In this virtual course students survey the structure of Earth and the dynamic processes that have shaped and continue to shape its structure. The main focus of this course is on the formation of rocks and minerals, weathering, erosion, deposition, and the ways that these elements shape our planet externally. It focuses on the internal structure of the Earth and the internal processes that shape the surface. The main focus is on plate tectonics, volcanism, mountain building, earthquakes, and the Earth's oceans. Special topics in meteorology as they relate to the shaping of the earth's surface are included. Practical application of these concepts is reinforced through laboratory experiments.</p>			
AP Environmental Science	03207E1000	Credit: 1.0	FEE: \$10.00 *Cost of AP exam
<p>NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR PHYSICAL SCIENCE. College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for environmental science. *NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see counseling or bookkeeping for information.</p>			
 Environmental Science (Virtual Only)	03003G1000V	Credit: 1.0	FEE: None
<p>Designed to provide a broad view of the biosphere and the physical parameters that affect it, this course focuses on scientific facts, concepts, principles, theories, and models considered foundational to environmental science, including energy resources, environmental quality, and human practices and their effect on the environment. Technology and critical thinking skills are used for inquiry-based investigations. <i>*NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY" OR "A PHYSICAL SCIENCE."</i></p>			
 HUMAN ANATOMY AND PHYSIOLOGY (Grades 10-12)	03053G1000	Credit: 1	FEE: None
<p>Prerequisites: Successful completion of Biology. Successful completion of Chemistry or Physical Science.</p>			
<p>This course includes a study of the organization and functions of the human body, including how they respond to the external environment and work together to maintain homeostasis. Students learn the anatomical components and basic physiological processes of each system of the body. Included are cooperative laboratory experiences, anatomical dissections, and some technology-based investigative work. Substantial reading and independent study outside of class are required of each student</p>			
 HUMAN ANATOMY AND PHYSIOLOGY (Grades 10-12) (VIRTUAL ONLY)	03053G1000V	Credit: 1	FEE:None

Prerequisites: Successful completion of Biology. Successful completion of Chemistry or Physical Science

This virtual course includes a study of the organization and functions of the human body, including how they respond to the external environment and work together to maintain homeostasis. Students learn the anatomical components and basic physiological processes of each system of the body. Included are cooperative laboratory experiences, anatomical dissections, and some technology-based investigative work. Substantial reading and independent study outside of class are required of each student.

**PROGRAMMING FOUNDATIONS
(Grades 9 - 12)**

10152G1001

Credit: 1

FEE: None

Prerequisites: Programming Foundations is designed to be a college preparatory high school course and thus, should provide a rigorous, but accessible, introduction to computer science. No previous computer science experience is required.

Programming Foundations focuses on the fundamentals of computer programming, emphasizing computational thinking and problem-solving. Students will create authentic projects, using programming as a medium for creativity, communication, and innovation. Through hands-on practice, students will be introduced to Object-Oriented Programming (OOP) using the Python programming language, with the opportunity to earn an ITS Python industry certification. In addition, students will explore the basics of networking and cybersecurity. This course is designed to enhance logical thinking and develop the technical skills essential for programming success. It aligns with the Alabama Course of Study: Digital Literacy and Computer Science standards. NOTE: *This course can count as a Math, Science, OR Career Tech credit.*



PHYSICS (Grades 11-12)

03151G1000

Credit: 1

FEE: \$10.00

Prerequisites: Successful completion of Physical Science or Chemistry and Algebra II with Statistic or higher level math.

This course takes the student through a study of mechanics. Topics include dimensional analysis, vectors, friction, torques, graphical analysis of motion, two-dimensional motion and projectile motion, Newton's laws of motion, momentum, work, power, potential, and kinetic energy. Additional topics such as the difference between heat and temperature through heat exchange; wave behavior in terms of reflection, refraction, diffraction, constructive and destructive interference, and the Doppler effect; sound; light and its properties; image formation by mirrors and lenses; electrical forces; and series and parallel DC circuits are also covered.



AP PHYSICS I (Grades 11-12)


03165E1000

Credit: 1

**FEE: \$20.00
*Cost of AP exam**

Prerequisites: Successful completion of Algebra II with Statistics or higher level math; or Current Science Teacher's signature or score 18 on ACT Science.

Algebra-based AP Physics I is equivalent to a first-semester college/university course in Algebra-based Physics. Scheduled in a two-hour block, the course features Newtonian Mechanics (including Rotational Dynamics and Angular Momentum); work, energy and power; and mechanical waves and sound. It also introduces the student to circuits. **NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see counseling or bookkeeping for information.*

	AP PHYSICS II (Grades 11-12)	03166E1000	Credit: 1	FEE: \$20.00 *Cost of AP exam

Prerequisites: Successful completion of Algebra II with Statistics or higher level math; or Current Science Teacher's signature or score 18 on ACT Science

AP Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, waves, and probability. These students will also have the opportunity to sit for the AP Physics C; Electricity and Magnetism AP Exam (course #03163E1000) in the Spring. **NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see counseling or bookkeeping for information.*

SOCIAL STUDIES - 4 Credits required (see below)

The Social Studies curriculum in grades 9-12 follows the College and Career Ready Standards and includes economics, geography, history, as well as civics & government along with the goal of responsible citizenship. Four social studies credits are required for graduation and include World History: 1500 to Present, US History I, US History II, Government, and Economics.


There are three sequences available, based on their choice of an Alabama High School Diploma (AHSD), an AHSD with Academic Honors Distinction, or an HSD with Advanced Placement Distinction. See the diploma distinctions section of this guide for additional information. In addition to the courses listed below, Dual Enrollment and Virtual courses are available for select courses (see dual enrollment and virtual sections at the end of this guide for details).






The courses listed below are suggestions as a guide to help you in planning your path toward the Social Studies graduation requirement. Please consult a counselor or a Social Studies department instructor for additional information. Students electing to participate in rigorous academic courses such as Honors, Dual Enrollment, and Advanced Placement (AP) are given additional weight. The weighted Grade Point Average (GPA) will be recorded on student's high school transcripts, and included in students' overall GPA calculations. See the *Grading and Promotion* section of this guide for additional information on weighted courses.

	9th Grade	10th Grade	11th Grade	12th Grade
Regular Classes	<ul style="list-style-type: none"> World History 	<ul style="list-style-type: none"> US History I 	<ul style="list-style-type: none"> US History II 	<ul style="list-style-type: none"> US Government (semester) AND Economics (semester)
Weighted Courses	<ul style="list-style-type: none"> PreAPWorld History II (9th grade) 	US History I Honors (includes dual enrollment option) <ul style="list-style-type: none"> AP US History (block - satisfies US History I and II and includes dual enrollment opportunity) 	<ul style="list-style-type: none"> AP US History (includes dual enrollment option) 	<ul style="list-style-type: none"> AP US Government AND (semester) AP Economics (semester)


For increased opportunities to explore Career Tech, Fine Arts, World Languages, 12 for Life, and Launch, many of the above courses are offered during Maymester, Summer Get Ahead, and Virtually during the school year. For additional information, please consult those specific sections of this guide or consult your school counselor.

SOCIAL STUDIES COURSE OPTIONS

	WORLD HISTORY 1500 TO PRESENT(Grade 9)	04053G1000	Credit: 1	FEE: None
<p>This course focuses on the political and economic revolutions from the Renaissance Era to the present day. Through the study of maps, listening to lectures, and participating in readings, students will develop a better understanding of their civic responsibilities and will be able to explain the rise of nationalism and the worldwide impact of dictatorships. Successful completion of this course satisfies the state graduation requirement for one of the four social science credits.</p>				


 WORLD HISTORY 1500 TO PRESENT(Grade 9) (VIRTUAL ONLY)	04053G10V	Credit: 1	FEE: None
<p>This course focuses on the political and economic revolutions from the Renaissance Era to the present day. Through the study of maps, listening to lectures, and participating in readings, students will develop a better understanding of their civic responsibilities and will be able to explain the rise of nationalism and the worldwide impact of dictatorships. Successful completion of this course satisfies the state graduation requirement for one of the four social science credits.</p>			
 PRE-ADVANCED PLACEMENT HISTORY & GEOGRAPHY (PART 2) - WORLD HISTORY 1500 TO PRESENT, (Grade 9)	04052E10PR	Credit: 1	FEE: None
<p>Designed for students looking for a more challenging course load, Pre-AP World History focuses on the political and economic revolutions from the Renaissance Era to the present day. Students taking this course can expect to participate in class discussions and debates about the rise of nationalism and the worldwide impact of dictatorships. Document analysis and essay writing are major components of this course. Successful completion of this course satisfies the state graduation requirement for one of the four social science credits.</p>			
 World History, Honors (VIRTUAL ONLY)	04053H1000	Credit: 1.0	FEE: None
<p>This virtual course is designed for students looking for a more challenging course load, Pre-AP World History focuses on the political and economic revolutions from the Renaissance Era to the present day. Students taking this course can expect to participate in class discussions and debates about the rise of nationalism and the worldwide impact of dictatorships. Document analysis and essay writing are major components of this course. Successful completion of this course satisfies the state graduation requirement for one of the four social science credits.</p>			
 U.S. HISTORY I; BEGINNING To INDUSTRIAL REVOLUTION (Traditionally taken in Grade 10)	04102G1000	Credit: 1	FEE: None
<p>Beginning in the 15th century Europe, this course emphasizes the establishment of the Nation, the Federalist and Jeffersonian periods, and the westward movement. A continuing study of geography skills and an understanding of Alabama history are included. Nineteenth-century America is the focus of the second semester. These aspects of that century are studied: Expansion and Slavery, Civil War and Reconstruction, the West, Big Business, and Imperialism. It is a required course.</p>			
 U.S. HISTORY I; BEGINNING To INDUSTRIAL REVOLUTION (Traditionally taken in Grade 10) (VIRTUAL ONLY)	04102G1000V	Credit: 1	FEE: None

Beginning in the 15th century Europe, this virtual course emphasizes the establishment of the Nation, the Federalist and Jeffersonian periods, and the westward movement. A continuing study of geography skills and an understanding of Alabama history are included. Nineteenth-century America is the focus of the second semester. These aspects of that century are studied: Expansion and Slavery, Civil War and Reconstruction, the West, Big Business, and Imperialism. It is a required course.

	U.S. HISTORY I; BEGINNING. to INDUSTRIAL REVOLUTION, HONORS (possible Dual opportunity). (Traditionally taken in Grade 10)	04102H1000 or 04999C1009 for dual option	Credit: 1	FEE: None possible dual fee
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This course analyzes the establishment of representative democracy in the United States and focuses on critical issues and events that encompass historic, geographic, economic, and political literacy. It prepares students for college work by making demands upon them equivalent to those made by full-year introductory college courses. Geographic concepts are also included. Historical writing skills are emphasized. This chronological study of United States history integrates the disciplines of history, geography, economics, and government with American literature to interpret past events and present conditions. Historical writing skills are emphasized as students learn to assess historical materials and their relevance to a given interpretive problem while weighing the evidence and interpretations presented in historical scholarship. This course includes a dual enrollment credit opportunity for HIS 201.

**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*





	ADVANCED PLACEMENT U.S. HISTORY (Block Scheduling Option) (Grade 10) Dual enrollment option	04104E1000	Credit: 1	FEE: None *Cost of AP exam possible dual fee
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This college-level course is taken by a select group of sophomores in lieu of the regular 10th and 11th-grade American history courses. The course is designed for the student to learn to comprehend American history in an analytical rather than purely factual manner. Students learn to interpret and synthesize primary sources, including documentary material, maps, statistical tables, and graphs. Students take notes from a variety of material and lectures, write essay examinations, and research topical papers. This rigorous approach to the study of American history affords the talented student the opportunity to go well beyond the usual high school course. Students are encouraged to take the Advanced Placement Examination in American history at the end of this course. **NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see bookkeeping for information.*

**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*

	U.S. HISTORY II; INDUSTRIAL REVOLUTION to PRESENT (Traditionally taken in Grade 11)	04103G1000	Credit: 1	FEE: None
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Starting in 1877, the content of this course emphasizes industrial development, urbanization, labor, and agrarian movements, the progressive era, imperialism, and World War I. A continuing study of map and globe skills is interwoven throughout. Among the topics included in the second semester are: the Great Depression, the New Deal, World War II, Post-War Challenges, the Civil Rights Movement, and the Cold War. It is a required course.


	U.S. HISTORY II; INDUSTRIAL REVOLUTION to PRESENT, HONORS (possible Dual opportunity). (Traditionally taken in Grade 11)	04103H1000 or 04999C1010 for dual option	Credit: 1	FEE: None
<p>Starting in 1877, the content of this course emphasizes industrial development, urbanization, labor, and agrarian movements, the progressive era, imperialism, and World War I. A continuing study of map and globe skills is interwoven throughout. Among the topics included in the second semester are: the Great Depression, the New Deal, World War II, Post-War Challenges, the Civil Rights Movement, and the Cold War. It is a required course.</p>				
	U.S. HISTORY II; INDUSTRIAL REVOLUTION to PRESENT (Traditionally taken in Grade 11) (VIRTUAL ONLY)	04103G1000V	Credit: 1	FEE: None
<p>Starting in 1877, the content of this virtual course emphasizes industrial development, urbanization, labor, and agrarian movements, the progressive era, imperialism, and World War I. A continuing study of map and globe skills is interwoven throughout. Among the topics included in the second semester are: the Great Depression, the New Deal, World War II, Post-War Challenges, the Civil Rights Movement, and the Cold War. It is a required course.</p>				
	ADVANCED PLACEMENT U.S. HISTORY (Grade 11) Dual enrollment option	04104E1000	Credit: 1	FEE: None *Cost of AP exam possible dual fee
<p>This college-level course is taken by a select group of juniors in lieu of the regular American history course. The course is designed for the student to learn to comprehend American history in an analytical rather than purely factual manner. Students learn to interpret and synthesize primary sources, including documentary material, maps, statistical tables, and graphs. Students take notes from a variety of material and lectures, write essay examinations, and research topical papers. This rigorous approach to the study of American history affords the talented student the opportunity to go well beyond the usual high school course. Students are encouraged to take the Advanced Placement Examination in American history at the end of this course. <i>*NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see counseling or bookkeeping for information.</i> <i>*Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.</i></p>				
	ECONOMICS/CAREER PREP B (Traditionally taken in Grade 12)	04201G0500	Credit: 0.5	FEE: None
<p>This required one-semester course, taken in conjunction with US Government, is designed to help students master fundamental economic concepts and terms and appreciate the relationship among them. Students also learn the structure of economic systems, the role of government in the U.S. economy, and consumer skills for their own decision-making. <i>Note: Beginning with the class of 2028, this does not satisfy Career Prep B.</i></p>				

 ECONOMICS/CAREER PREP B (Traditionally taken in Grade 12) (VIRTUAL ONLY)	04201G05V	Credit: 0.5	FEE: None
<p>This required one-semester course, taken in conjunction with US Government, is designed to help students master fundamental economic concepts and terms and appreciate the relationship among them. Students also learn the structure of economic systems, the role of government in the U.S. economy, and consumer skills for their own decision-making. <i>Note: Beginning with the class of 2028, this does not satisfy Career Prep B.</i></p>			
 ADVANCED PLACEMENT MICROECONOMICS (Traditionally taken in Grade 12)	04203E1000	Credit: 0.5	FEE: None *Cost of AP exam
<p>The purpose of the course is to give the student a thorough understanding of the principles of economics which apply to individual units in the economy that determine the relative price of goods and inputs. It places primary emphasis on the nature and functions of product markets and the role of government in promoting greater efficiency and equality in the economy. <i>*NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see counseling or bookkeeping for information.</i></p>			
 U.S. GOVERNMENT (Traditionally taken in Grade 12)	04151G0500	Credit: 0.5	FEE: None
<p>This one-semester course, taken in conjunction with Economics, offers a study of the organization, basic principles, functions, and purposes of government in the United States. Emphasis is on the federal system, the legislative process, the executive function, the role of the judiciary, and the responsibilities of the citizen in a free society. It is a required course.</p>			
 U.S. GOVERNMENT (Traditionally taken in Grade 12) (VIRTUAL ONLY)	04151G0500 V	Credit: 0.5	FEE: None
<p>This one-semester virtual course, taken in conjunction with Economics, offers a study of the organization, basic principles, functions, and purposes of government in the United States. Emphasis is on the federal system, the legislative process, the executive function, the role of the judiciary, and the responsibilities of the citizen in a free society. It is a required course.</p>			
 ADVANCED PLACEMENT U.S. GOVERNMENT (Traditionally taken in Grade 12)	04157E1000	Credit: 0.5	FEE: None *Cost of AP exam
<p>This is a one-semester college-level course concerned with the American governmental system as it has developed and as it works today. It examines the principal processes and institutions through which the political system functions. The goal of the course is to increase understanding of the American political system--its traditions, values, and framework. There is a strong emphasis on developing analytical thinking skills. <i>*NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see counseling or bookkeeping for information.</i></p>			

PHYSICAL EDUCATION - 1 Credit required (see below)

Beginning Kinesiology (or its eligible substitution) is a required high school physical education course necessary for graduation from high school.

PHYSICAL EDUCATION AND HEALTH COURSE OPTIONS


	BEGINNING KINESIOLOGY (Recommended for Grade 10 but can be taken in Grades 9-12)	08017G1000	Credit: 1	FEE: None
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Beginning Kinesiology is the physical education course required for graduation. It is a stand-alone course that encompasses the basic concepts of athletics and fitness and introduces students to the basic physiological, psychological, sociological, and mechanical principles of human movement. Students will be empowered to make choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime. It is the prerequisite for all physical education elective courses.

Courses that can be substituted to satisfy the Beginning Kinesiology graduation requirement
(see Fine Arts section for details)

Names of Courses	Course Codes
Traditional & Emerging Ensemble Marching Band (Levels I-IV) Credit: 0.5	05103G0501, 05103G0502, 05103G0503, 05103G0504
Traditional & Emerging Ensemble Marching Band (Levels I-IV) Credit: 1	05103G1001, 05103G1002, 05103G1003, 05103G1004
Traditional & Emerging Ensembles, Show Choir (Levels I-IV) Credit: 1	05121G1001, 05121G1002, 05121G1003, 05121G1004
Dance (Levels III and Dance, Advanced) Credit: 1	05002G1001, 05002G1002, 05002G1003, 05003G1003
Choreography/Dance Composition and Dance, Independent Study (Levels I-IV) Credit: 1	05005G1001, 05005G1002, 05005G1003, 05009G1003, 05049G1010
Varsity Baseball, Varsity Basketball, Varsity Softball, Varsity Football, Varsity Tennis, Varsity Swimming, Varsity Volleyball, Varsity Track and Field, Varsity Cross-Country, Varsity Golf, Varsity Cheerleading, Varsity Soccer, Varsity Wrestling Credit: 1	08013G10BA, 08013G10BK, 08013G10SB, 08013G10FB, 08013G10TN, 0801310SW, 08013G10VB, 08013G10TF, 08013G10CC, 08013G10GO, 08013G10CH, 08013G10SC, 08013G10WR

NOTE: A JROTC course also satisfies the Physical Education requirement.

	STRENGTH AND CONDITIONING (Grades 9-12)	08005G1000	Credit: 1	FEE: None
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In this fitness and conditioning class, students practice the basic skills in strength and muscle conditioning. A primary goal is to teach students the value of lifetime fitness.

ATHLETICS (Grades 9-12)		Credit: 1	FEE: SEE COACH OR ATHLETIC DIRECTOR FOR DETAILS
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Prerequisites: Students may only enroll in a team sport with the approval of the coach, athletic director, or principal.

This is an umbrella course that includes participation on any competitive athletic team. Credit in Physical Education is awarded for this course only if the sport has a class period devoted to it during the school day.

Students who are currently on a sporting team and are planning to continue with their sport may sign up for Strength and Conditioning (08005G1000) along with Athletic Physical Education. Students may replace an elective in their course selections with the appropriate weight lifting choice. Students should be cognizant of courses needed for NCAA and AHSAA requirements for eligibility and courses needed for graduation that MAY NOT BE SUBSTITUTED.

Team Sports (1 credit in PE) /State Number and Levels	Title
08013G10BA	Baseball
08013G10BK	Basketball – Boys
	Basketball – Girls
08006G10CH	Cheerleading
08013G10CC	Cross Country- Boys
	Cross Country – Girls
08013G10FB	Football
08013G10GO	Golf – Boys
	Golf – Girls
08013G10SB	Softball
08013G10SC	Soccer- Boys
	Soccer – Girls
08010G10SW	Swimming – Boys
	Swimming – Girls
08011G10TN	Tennis – Boys
	Tennis – Girls
08013G10TF	Track and Field – Boys
	Track and Field – Girls
08013G10VB	Volleyball
08013G10WR	Wrestling

For information on NCAA Athletic eligibility standards, resources, and information specific to Division I, Division II, and Division III athletics, please see: <https://www.ncaa.org/sports/2014/10/6/core-courses.aspx>

HEALTH EDUCATION

HEALTH EDUCATION - 0.5 Credit required (see below)			
HEALTH EDUCATION (Grade 10-12)	08051G0500	Credit: 0.5	FEE: None
<p>Required of all students, this course is designed to help each student to be physically fit, well-nourished and mentally healthy. Emphasis is on self-awareness for developing personal skills toward health improvement and for accepting responsibility to increase one's quality of life. Health Education is offered through Florence Virtual School only. The ½ unit in Health is embedded in Family Wellness or Foundations of Health Science. <i>Successful completion of Family Wellness (one semester) or Foundations of Health Science (two semesters) substitutes for this course.</i></p>			
FAMILY WELLNESS	19259G0500	Credit: 0.5	FEE: None
<p>A one-half credit course designed for students interested in health issues that impact individuals, families, and communities. Students will explore family health throughout the stages of the life-span. Successful completion of Family Wellness satisfies the Health graduation requirement.</p>			
FOUNDATIONS OF HEALTH SCIENCE (Grades 9-12)	14002G1001	Credit: 1	FEE: \$30.00
<p>Successful completion of both semesters of this course meets the ½ unit health requirement for graduation. See Career Tech, Health Science for details.</p>			

CAREER PREPAREDNESS

Career Prep A and Career Pre B are required courses for graduation.

CAREER PREPAREDNESS - 1 Credit required (see below)

CAREER PREPAREDNESS A and B (virtual only)	A-22153G0512 B-22153G0522	Credit: 0.5 each	FEE: None
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The Career Preparedness course focuses on three integrated areas of instruction—academic planning and career development, financial literacy, and technology. Course content ranges from college and career preparation to computer literacy skills to ways to manage personal finances and reduce personal risk. The area of technology is designed to be interwoven throughout course instruction. Mastery of the content standards provides a strong foundation for student acquisition of the skills, attitudes, and knowledge that enables them to achieve success in school, at work, and across the lifespan.

Career Preparedness A: (Virtual Only)	22153G0512	Credit: 0.5	FEE: None
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Career Preparedness A focuses on academic planning and career development. This course is for students who did not meet the Career Prep A requirement in 8th grade.

Career Preparedness B: Career Readiness Indicator (CRI) opportunity: Customer Guest Service Professional	22153G0522	Credit: 0.5	FEE: None
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Prerequisite: Career Preparedness A

Career Preparedness B incorporates prior learning from Career Prep A and focuses on financial literacy.

Students in Florence City Schools earn one-half credit by successful completion of Career Preparedness A in **grade 8**. Beginning with the class of 2028, Career Prep B will be completed as a stand-alone course.

Graduating classes of 2027 and earlier: Career Preparedness B content is offered as an embedded component of the Economics course and students will satisfy the graduation requirement as part of their Economics course.

If a student does not earn credits for Career Preparedness A in the 8th grade or does not take Economics as a Florence City Schools course the student will be assigned to the course(s) by means of a virtual environment beginning in the 9th grade.

This one-credit course is required of all students for graduation, beginning with ninth-graders in 2013-2014. All students are required to complete both Career Prep A and Career Prep B prior to graduation.

OTHER GRADUATION REQUIREMENTS

World Languages
Career Technical Education (CTE)
Fine Arts
3 Credits required (see below)

Students now must have a total of 3 credits total from one or more of these three subject areas:

- Career Technical Education
- Foreign Language
- Arts




It is recommended that 2 of the 3 required credits to be selected in the same area and be in sequence. Each of these 3 areas and their course offerings are described separately on the following pages.

In addition to the courses listed below, Dual Enrollment and Virtual courses are available for select courses (see dual enrollment and virtual sections at the end of this guide for details).

WORLD LANGUAGE


The Grades 9-12 World Language curriculum provides opportunities for students to gain knowledge and understanding of cultures other than their own and to acquire the ability to communicate in languages other than English. Knowledge and use of expressive and receptive language and an in-depth study of the target culture and its relationship to other cultures are essential components of language study. The learning of other languages extends beyond the classroom and empowers students to participate, communicate, and function in today's ever-changing global community and marketplace.

This section includes courses that are applicable to the CTE/FL/Arts component of the Alabama High School Graduation component requiring 3 credits for graduation. Additionally, these courses can count toward the Electives component of graduation. NOTE: It is recommended that students complete at least 2 courses in sequential order for the CTE/FL/Arts component.

	FRENCH I (Grades 9-12)	24102G1000	Credit: 1	FEE: None
Based on an oral approach, this course takes the student through the text-and-video course to become familiar with the French language, people, and customs. It introduces the basic French sounds, alphabet, and vocabulary, using conversational situations about the school, clothes, colors, buildings, and families. Connections are made to other subject areas, and comparisons are shown to the student's own language and culture. The student becomes familiar with various grammatical structures such as subject-verb combinations and adjective-antecedent agreement.				
	FRENCH II (Grades 9-12)	24103G1000	Credit: 1	FEE: None
Prerequisites: French I				
This course emphasizes the studies begun in French I-Semesters 1 and 2, with more work on speaking and writing French. Emphasis is also placed on the customs and culture of France and other Francophone countries and areas. Students are encouraged to participate in class discussions and to practice their vocabulary in conversational situations. More work is done in vocabulary building as well as in more advanced grammar and writing.				
	FRENCH III, HONORS (Grades 11-12) (with Dual Enrollment option)	24104G1000 or 24999C1001 (to include dual option)	Credit: 1	FEE: None / Possible Dual
Prerequisites: French II				
Emphasis is placed on the continued development of the four basic skills in language learning: reading, writing, speaking, and listening. Increased emphasis is placed on the use of French for verbal communication and on the study of French history, art, and poetry. Emphasis is also placed on improving awareness and understanding of cultural contrasts between American people and customs and the people and customs of French-speaking countries. Sharpening of skills in reading and writing in French is continued. <i>Possible Dual</i>				


Enrollment opportunity may be available. See the Dual Enrollment section of this guide or your School Counselor for additional information.

**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*

	FRENCH IV, HONORS (Grades 11-12)	24105G1000 24999C1002 (to include dual option)	Credit: 1	FEE: None / Possible Dual
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Prerequisites: French III

A survey of French literature beginnings, including excerpts from masterpieces of well-known French authors. More use of written composition is employed: essays are written in and outside of class. Listening opportunities include radio broadcasts, TV programs, and full-length movies. Students may enroll for either regular or Advanced Placement credit. During the second semester, the advanced study continues with the student delving further into French masterpieces and becoming more skillful in the development of writing skills. Increased preparation for transition to college-level French courses includes intensive verb study and grammar review. Journal and creative writing are taught. *Possible Dual Enrollment opportunity may be available. See the Dual Enrollment section of this guide or your School Counselor for additional information.*
**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*


	ADVANCED PLACEMENT FRENCH (Grades 11-12)	24114E1000	Credit: 1	FEE: None *Cost of AP exam
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Prerequisites: French III

AP French Language and Culture are equivalent to an intermediate level college course in French. Students cultivate their understanding of the French language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges. Students are encouraged to take the Advanced Placement Examination. **NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see bookkeeping for information.*


	CLASSICAL GREEK I (Grades 9-12)	24302G1000	Credit: 1	FEE: None
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This course introduces students to the grammar, vocabulary, and culture of Classical Greece. It features the inductive approach, allowing students to begin translating in their first week. The textbook is *Athenaze*, Book I, second edition.

	CLASSICAL GREEK II (Grades 10-12)	24303G1000	Credit: 1	FEE: None
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Prerequisites: Classical Greek I				
Continuing the exciting study begun in Classical Greek I, the student builds upon skills in grammar, vocabulary, and culture of Classical Greece. Translation exercises become more advanced as the student delves deeper into the world of this very interesting period of human history.				
	LATIN I (Grades 9-12)	24342G1000	Credit: 1	FEE: None
This course introduces the student to the vocabulary and structure of the Latin language and includes word derivation to tie it to English. Students are introduced to aspects of Roman history and culture. The second semester continues to build on vocabulary and structure begun in Semester 1. More emphasis is placed on translations from Latin to English. Efforts are continued to show the relationships between Latin and English vocabularies.				
	LATIN II (Grades 9-12)	24343G1000	Credit: 1	FEE: None
Prerequisites: Latin I				
More advanced grammatical principles are studied. Translations are done primarily from Latin to English. Students continue their translations and their study of the culture and history of the Roman people.				
	LATIN III, HONORS (Grades 11-12)	24344G1000 24999C1007 (to include dual option)	Credit: 1	FEE: None / Possible Dual
Prerequisites: Latin II				
Students translate a variety of Latin authors and study aspects of Roman history and civilization. <i>Possible Dual Enrollment opportunity may be available. See the Dual Enrollment section of this guide or your School Counselor for additional information.</i> <i>*Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.</i>				
	LATIN IV, HONORS Caesar and Vergil (Grades 11-12)	24345G1000 24999C1008 (to include dual option)	Credit: 1	FEE: None / Possible Dual
Prerequisites: Latin III Prose				
Students will spend part of the year translating passages from Julius Caesar's <i>Gallic Wars</i> and part translating passages from Vergil's <i>Aeneid</i> . They will also study the lives and writing styles of both writers, as well as other aspects of Roman civilization at the time of the writing of these texts. In addition, they will learn to understand and identify the "tools of the trade" used both in Latin prose and poetry. At the end of the course, students will be prepared to take the AP Latin Exam. <i>Possible Dual Enrollment opportunity may be available. See the Dual Enrollment section of this guide or your School Counselor for additional information.</i>				

**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*


	ADVANCED PLACEMENT LATIN (Grades 11-12)	24355E1000	Credit: 1	FEE: None *Cost of AP exam
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Prerequisites: Latin III Prose

AP Latin is equivalent to an upper-intermediate level college course in Latin focusing on the in-depth study of selections from two of the greatest works in Latin literature: Vergil's *Aeneid* and Caesar's *Gallic War*. Students cultivate their understanding of classics through preparing and translating readings and considering themes in the context of ancient literature as they explore concepts like literary techniques, Roman values, war and empire, leadership, views of non-Romans, history and memory, and human beings and the gods. Students are encouraged to take the Advanced Placement Examination. **NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see bookkeeping for information.*


	SPANISH I (Grades 9-12)	24052G1000	Credit: 1	FEE: None
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Spanish I is an introductory course in the language and customs of Spanish-speaking nations. Using oral methods, the student learns to speak, read and listen. The simple vocabulary and situations strengthen memory lessons learned from tests, CDs, DVDs, websites, computer software, and workbooks. Vocabulary is added to the words and expressions already learned during the second semester. Verb usage is also added, and the student begins to experiment with more realistic situations in which to use Spanish.

	SPANISH II (Grades 9-12)	24053G1000	Credit: 1	FEE: None
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Prerequisites: Spanish I


Speaking Spanish is encouraged in this course as the student becomes more advanced in the handling of the language. Workbooks, newspapers, CDs, DVDs, websites, computer software, and Spanish-speaking citizens add great variety to the course.

	SPANISH III, HONORS (Grades 10-12)	24054G1000 24999C1011 (to include dual option)	Credit: 1	FEE: None / Possible Dual
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Prerequisites: Spanish II

This course gives the student a more direct view of Spain and Latin America geographically, historically, and culturally. Advanced grammar is continued. Reading comprehension is strengthened through a variety of authentic texts. Looking more intently at the geography, history, and culture of Spanish-speaking countries, the student uses his Spanish-language ability in both formal and informal ways in the classroom. Speaking Spanish as exclusively as possible is encouraged. *Possible Dual Enrollment opportunity may be available. See the Dual Enrollment section of this guide or your School Counselor for additional information.*


**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*

	SPANISH IV, HONORS (Grades 11- 12)	24055G1000 24999C1012 (to include dual option)	Credit: 1	FEE: None / Possible Dual
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Prerequisites: Spanish III

Spanish is the primary language of the classroom, with students writing short essays in the language. Vocabulary building and advanced grammar are emphasized. Reading extended pieces in Spanish is encouraged. Spanish language usage is increased during the second semester, with reading and films. Grammar review is extensive in order to prepare students for college entrance tests. Speaking Spanish as exclusively as possible is encouraged. Students may enroll for either regular or Advanced Placement credit. AP students take the AP examination. *Possible Dual Enrollment opportunity may be available. See the Dual Enrollment section of this guide or your School Counselor for additional information.*

**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*

	ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE (Grades 11- 12)	24064E1000	Credit: 1	FEE: None *Cost of AP exam
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Prerequisites: Spanish III or Spanish III and higher level course

AP Spanish Language and Culture are equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of the Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges. Students are encouraged to take the Advanced Placement Examination. **NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see bookkeeping for information.*

CAREER TECHNICAL EDUCATION

Alabama’s Career and Technical Education program is representative of the national career and technical education model. Career Clusters in Alabama’s curriculum includes courses that identify academic and technical knowledge and skills needed for students to pursue a wide range of career opportunities. Courses are designed to provide school-based learning with career-related experiences. Each career cluster is composed of one or more pathways that students may pursue within a cluster. A foundation course is aligned with each career cluster to provide an overview of career opportunities within the cluster.

This section includes courses that are applicable to the CTE/FL/Arts component of the Alabama High School Graduation component requiring 3 credits for graduation. Additionally, these courses can count toward the Electives component of graduation.

We strongly encourage students to choose at least one pathway beginning in 9th grade that they will complete three classes in sequence within that pathway so that they fulfill the new College Career Readiness graduation requirement.

Pathway options include:

Industrial Agriscience Academy	Project Lead the Way Engineering Academy	Welding Technology Academy
Business Management & Administration Academy	Junior Reserve Officer Training Corp (JROTC)	Cooperative Education
Computer Science Academy	Health Science (Medical Science Academy)	Internships/ Apprenticeships
Cosmetology Academy	Hospitality & Tourism /Culinary Arts Academy	12 for Life & Launch
Education and Training Academy	Television Production	Manufacturing Skill Standards Council Certification (MSSC) through 12 for Life

Students may elect a single course to explore a particular cluster, or may pursue a Career/Technical Education Distinction in a particular pathway by completing the following:

Career/Technical Education Distinction:

- Three credits in a given area of Career Technical and Specialized Education (completer) OR
- One credit in a given area of Career/Technical Education and two credits in sequence in another area of Career Technical and Specialized Education (concentrator)
- Other requirements of the basic diploma (four credits in English, four credits in Social Studies, ½ credit in Health Education, etc.)

INDUSTRIAL AGRISCIENCE ACADEMY

The Agriscience Program incorporates a Career and Technical Student Organization (CTSO) known as the FFA. The National FFA Organization is a student-led CTSO in which members are able to gain valuable career and leadership skills. The Florence FFA Chapter participates in a wide variety of career development events/contests at the Local, District, and State Levels. It is highly recommended that a student enrolled in an Agriscience Education program join the National FFA Organization to ensure he/she receives the very best in premier leadership, personal growth, and career success through Agricultural Education.

Industrial Agriculture Pathway			
Career Pathway Program: Industrial Agriculture			
Career Readiness Indicator (CRI) opportunity: Forestry Worker			
Grade 9	Grade 10	Grade 11	Grade 12
Fundamentals of Agriscience (1 Credit)	Construction Framing (1 Credit) OR Agricultural Welding I (1 Credit)	CTE Lab in AFNR (1 Credit) OR Agricultural Welding II (1 Credit) OR Agricultural Welding I (1 Credit)	CTE Lab in AFNR (1 Credit) OR Launch

FUNDAMENTALS OF AGRISCIENCE (Grades 9-12)	18003G1001	Credit: 1	FEE:\$20.00
<p>Lab Projects - Students will develop projects in Carpentry, Construction, Electrical Wiring, Plumbing, Welding, and Horticulture.</p> <p>Course Overview - Fundamentals of Agriscience is an introductory course that provides students with a general overview of Animal Science, Plant Science, Environmental Science, Industrial Agricultural Technologies, and General Agriculture, the five pathways within the Agriculture, Food, and Natural Resources cluster.</p>			
CONSTRUCTION FRAMING (Grades 10-12)	18004G1000	Credit: 1	FEE: \$20.00
Pre-requisites: Fundamentals of Agriscience			
<p>Lab Projects - Students will develop an outdoor structure.</p> <p>Course Overview - Construction Framing provides students with an understanding of the framing phase of building a structure, including framing components, and the skills to complete framing for a structure</p>			

according to local building codes. Topics include lumber, material estimation, floor systems, wall framing, ceiling framing, stair construction, roof framing, and roof materials.

AGRICULTURAL WELDING I (Grades 9-12)

18404G1001

Credit: 1

FEE:\$20.00

Agricultural Welding I provides students with opportunities to become familiar with basic safety and technical information in metal fabrication and to participate in hands-on activities in the laboratory. Topics include tools and equipment, metal preparation, metal cutting, weld quality, and shielded metal arc welding (SMAW).

AGRICULTURAL WELDING II (Grades 10-12)

18404G1002

Credit: 1

FEE:\$20.00

Pre-requisites: Agricultural Welding I

Agricultural Welding II provides students with opportunities to become familiar with safety, technical information, and fabrication, and to participate in hands-on activities in the lab utilizing the welding processes of Metal Inert Gas (MIG), Tungsten Inert Gas (TIG), and Flux Cored Arc Welding (FCAW). Topics include metal structures; identification and selection of tools, supplies, and equipment; and weld quality.

CTE LAB IN AGRICULTURE, FOOD, AND NATURAL RESOURCES, HONORS (Grades 11-12)

18997G1000

Credit: 1

FEE:\$20.00

Pre-requisites: Successful completion of any two courses in Agriculture, Food, and Natural Resources cluster and approval of program Instructor.

CTE Lab in Agriculture, Food, and Natural Resources enhances the student's general understanding and mastery of the Agriculture, Food, and Natural Resources cluster, which contains five pathways—Animal Science, Plant Science, Environmental Science, Industrial Agricultural Technologies, and General Agriculture. 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.

BUSINESS MANAGEMENT AND ADMINISTRATION ACADEMY

The Business Education program provides students with basic preparation for a dynamic and challenging position in today's competitive marketplace. As students gain knowledge and professional experiences, they develop skills essential for success. Students experience challenging activities and acquire critical-thinking skills as they enhance employability skills. The curriculum provides a program that is student-centered and project-based with flexibility regarding course selection.

Students master basic skills in the areas of word processing, spreadsheets, accounting, business and personal finance, programming, software, game, and application development. A major emphasis is placed on guiding students through real-world experiences to ease the school-to-career transition.

Participation in the student organization, Future Business Leaders of America (FBLA), enables students the opportunities to develop leadership, build self-esteem, and practice community service. The activities are member-planned, member-directed, and member-centered.

Career Pathway Program: Management

Career Readiness Indicator (CRI) opportunity: Certified Guest Service Professional & Microsoft Office Specialist

Grade 9 - 11			Grade 11 -12
Business Software Applications (1 credit)	Event Planning & Management (1 credit)	Entrepreneurship (1 credit)	CTSE Lab in Business & Administration (1 credit) OR Career Pathway Project in Business Management and Administration (1 credit)

BUSINESS SOFTWARE APPLICATIONS I (Grades 9-12)	10005G1001	Credit: 1	FEE: None
Business Software Applications 1 emphasizes the skills required to create, edit, and publish industry-appropriate documents. Areas of instruction include the integration of word processing, desktop publishing, spreadsheets, database management, and presentation software as well as the use of emerging technologies. Students enrolled in this course will have an opportunity to earn industry credentials.			
EVENT PLANNING AND MANAGEMENT (Grades 9-12)	16202G1001	Credit: 1	FEE: None
Pre-requisites: Business Software Applications I			
Event and Planning Management is designed for students interested in learning to create and present gatherings for groups of people to enjoy or attend corporate goals or individual benefits. The course emphasizes the many facts of this multi-billion-dollar industry, including site selection, financial management, time management, promotion, and catering. Students will organize, plan, and evaluate various meetings and events such as conferences, sporting events, weddings, and workshops. Students enrolled in this			

course will have an opportunity to earn industry credentials and work with the school and community partners to gain hands-on experience with planning various events.

ENTREPRENEURSHIP (Grades 9-12)	12053G1000	Credit: 1	FEE: None
Pre-requisites: Business Software Applications I			

Entrepreneurship focuses on the skills needed to organize, develop, create, and manage a business in a variety of environments. Course standards are designed to foster an entrepreneurial mindset; encourage innovation, critical thinking, and problem-solving in a fast-paced professional setting; and build basic knowledge of various entrepreneurial ventures. Students enrolled in this course will have an opportunity to earn industry credentials and work with the school-based enterprise to gain hands-on experience with creating and producing products, conducting quality control and inventory control checks, and providing customer service when selling products.

CTE LAB IN BUSINESS AND ADMINISTRATION, HONORS (Grades 11-12)	12047G1002	Credit: 1	FEE: None
Pre-requisites: Business Software Applications I AND Event Planning & Management or Entrepreneurship			

CTSE Lab in Business Management and Administration (BMA) is designed to enhance the student's general understanding and mastery of the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. First Metro Bank Falcon Branch student tellers will be enrolled in this course for the first year as a teller. Individuals that take this class will have an opportunity to earn industry credentials and enhance their knowledge and involvement in the FHS Future Business Leaders of America chapter at the local, state, and national levels.

Career Pathway Project in Business Management and Administration (Grades 11-12)	12047G1003	Credit: 1	FEE: None
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Bank tellers or school- based enterprise workers for second year

Career Pathway Project (CPP) in Business Management and Administration is a capstone course designed for students who have earned two or more career and technical education credits from the same pathway in the Business Management and Administration Career Cluster. This course allows students to utilize their secondary coursework through an 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 education plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education. First Metro Bank Falcon Branch student tellers will be enrolled in this course for the second year as a teller. Individuals that take this class will have an opportunity to earn industry credentials and enhance their

knowledge and involvement in the FHS Future Business Leaders of America chapter at the local, state, and national levels.

COMPUTER SCIENCE ACADEMY

Career Pathway Program: Computer Science

Career Readiness Indicator (CRI) opportunity: Certiport ITS Python and Java

Grade 9 or Grade 10		Grade 11	Grade 12
Programming Foundations (1 Credit)	AP Computer Science Principles (1 Credit)	AP Computer Science A (1 Credit)	CTE Lab in Information Technology (1 Credit)

PROGRAMMING FOUNDATIONS (Grades 9 - 12)	10152G1001	Credit: 1	FEE: None
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Prerequisites: Programming Foundations is designed to be a college preparatory high school course and thus, should provide a rigorous, but accessible, introduction to computer science. No previous computer science experience is required.

Programming Foundations focuses on the fundamentals of computer programming, emphasizing computational thinking and problem-solving. Students will create authentic projects, using programming as a medium for creativity, communication, and innovation. Through hands-on practice, students will be introduced to Object-Oriented Programming (OOP) using the Python programming language, with the opportunity to earn an ITS Python industry certification. In addition, students will explore the basics of networking and cybersecurity. This course is designed to enhance logical thinking and develop the technical skills essential for programming success. It aligns with the Alabama Course of Study: Digital Literacy and Computer Science standards. *This course may be used to satisfy the fourth math requirement, third or fourth science requirement, or a Career Tech elective.*

ADVANCED PLACEMENT (AP) COMPUTER SCIENCE PRINCIPLES, (Grades 10-12)	10019E1000	Credit: 1	FEE: None *Cost of AP exam
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Prerequisites: Successful completion of Algebra II with Trigonometry or Pre-AP Algebra II with Trigonometry, Honors (Class of 2022 and 2023) or Algebra II with Statistics.

In this course, students acquire foundational computing skills including knowledge about the internet, data, and data manipulation. Additionally, they gain an understanding of the real-world impact of computing applications and programming literacy. *This course may be used to satisfy the math requirement or a Career Tech elective.* *NOTE: AP exam fees MUST be paid by November 1 each year. As of now, AP Computer Science Principles will be paid for by the Alabama State Department of Education.

ADVANCED PLACEMENT (AP) COMPUTER SCIENCE A, (Grades 11-12) (GRADES 9-12)	10157E1000	Credit: 1	FEE: None *Cost of AP exam
Prerequisite: Programming Foundations OR Grade of an 80 or higher in Algebra II			
A one credit college-level course following the curriculum established by the College Board Advanced Placement (AP) Program for computer science; emphasizes object-oriented programming methodology with a concentration on problem-solving and algorithm development. <i>This course may be used to satisfy the math requirement or a Career Tech elective.</i> *NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see counseling or bookkeeping for information.			
CTE LAB IN INFORMATION TECHNOLOGY (Grades 11-12)	10997G1002	Credit: 1	FEE: None
Prerequisite: Completion of any Information Technology Pathway			
This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Information Technology through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.			
NETWORK COMMUNICATIONS CIS199 (Grades 10-12) Dual Enrollment ONLY	10999C1027	Credit: 1 Fall Semester	FEE: Dual Enrollment fee
Prerequisite or Corequisite: Programming Foundations			
This course is designed to introduce students to the basic concepts of computer networks. Emphasis is placed on gaining an understanding of the terminology and technology involved in implementing networked systems. The course will cover the OSI and TCP/IP network models, communications protocols, transmission media, networking hardware and software, LANs (Local Area Networks) and WANs (Wide Area Networks), Client/Server technology, the Internet, Intranets and network troubleshooting. Upon completion of the course, students will be able to design and implement a computer network. Students will create network shares, user accounts, and install print devices while ensuring basic network security. They will receive hands-on experience building a mock network in the classroom. This course will help prepare students for the CCNA and CompTIA Network + certifications. <i>This is ONLY offered as a dual enrollment course. See the Dual Enrollment section of this guide or ask a counselor for more information about Dual Enrollment. *Dual fee is based on college guidelines.</i> <i>NOTE: This 1 credit course will be completed in 1 semester.</i> <i>*Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.</i>			
NETWORK SECURITY CIS280 (Grades 10-12) Dual Enrollment ONLY	10999C1078	Credit: 1 Spring Semester	FEE: Dual Enrollment fee
Prerequisite or Corequisite: Programming Foundations and Network Communications			

This course provides a study of threats to network security and methods of securing a computer network from such threats. Topics included in this course are security risks, intrusion detection, and methods of securing authentication, network access, remote access, Web access, and wired and wireless network communications. Upon completion students will be able to identify security risks and describe appropriate countermeasures. *This is ONLY offered as a dual enrollment course. See the Dual Enrollment section of this guide or ask a counselor for more information about Dual Enrollment. *Dual fee is based on college guidelines.*

NOTE: This 1 credit course will be completed in 1 semester.

**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*

COSMETOLOGY

Students enrolled in the Cosmetology program follow the established curriculum by the State Board of Cosmetology and State Department of Education. Students learn through classroom instruction and then apply their knowledge to hands-on experience.

Instruction is designed to prepare students for the Alabama licensing examinations. Topics of study include sanitation, safety, hairstyling, nail care, and skincare. Courses include science as it relates to hair and skin. The hours and credits successfully completed by students in these classes are state-accredited and can be transferred to postsecondary and private schools. To be eligible for state credit, students must be at least 16 years of age and have completed the 10th grade. In addition to the fee indicated, students are required to purchase supplies or materials for various specialized courses. Students enrolled in Cosmetology classes are encouraged to participate in SkillsUSA-VICA.

Cosmetology lab involves students working with various chemicals that may be a concern for students having allergies or sensitivity to odors and chemicals. Florence City Schools has an articulation agreement with NWSCC. Students receive hours at NWSCC for the time they were in cosmetology at FHS.

CareerPathways Program: Cosmetology and Barbering
Career Readiness Indicator (CRI) opportunity: Customer Service and Sales

Cosmetology Pathway:

Grade 9	Grade 10	Grade 11	Grade 12
Cosmetology Fundamentals (Intro to Cosmetology) (1 credit)	Chemical Services (1 credit)	Salon Practices and Management (1 credit)	CTE Lab in Cosmetology & Barbering (1 credit)

Barbering Pathway:

Grade 9	Grade 10	Grade 11	Grade 12
Barbering Fundamentals (Intro to Barbering) (1 credit)	Chemical Services (1 credit)	Salon Practices and Management (1 credit)	CTE Lab in Cosmetology & Barbering (1 credit)

**COSMETOLOGY FUNDAMENTALS
(Grades 9 - 11)**

19101G1001

Credit: 1

FEE: \$30.00

Required foundation course for the Cosmetology Pathway.

One class period of no more than 20 students is designated for ninth graders only. Introduction to Cosmetology is a course that helps students develop basic salon techniques in the study of personal and professional image/conduct, sanitation, hairstyling, and nail care. Students perform practical tasks including sanitation,

shampooing, various hairstyling techniques, and basic nail care. Theory related to the various cosmetology tasks is included in this course. Entry-level skills and related theories are taught in shampooing, hairstyling, and manicuring. Special emphasis is placed on employability skills, sanitation, and safety.

CHEMICAL SERVICES (Grades 9 - 11)	19103G1002	Credit: 1	FEE: \$30.00
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Prerequisite: Cosmetology Fundamentals

A one-credit course designed to focus on the theory of chemical services related to chemical hair texturing. Students gain initial, practical experience in performing various chemical texturing activities. The prerequisite for this course is Introduction

SALON PRACTICES & MANAGEMENT (Grades 9 - 11)	19107G1003	Credit: 1	FEE: \$30.00
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Prerequisite: Barbering OR Cosmetology Fundamentals AND Chemical Services

A one-credit course designed to assist students in developing entry-level management skills for the cosmetology industry. Students practice all phases of cosmetology in a salon setting. The prerequisite for this course is Introduction to Cosmetology.

BARBERING FUNDAMENTALS (Grades 9 - 12)	19102G1001	Credit: 1	FEE: \$30.00
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Required foundation course for the Barbering Pathway.

This course provides an orientation to professional barber styling. Topics include learning the latest trends, skills and techniques, history of barbering, professional image, microbiology, safety, infection control, tools and elements, razor shaving properties, and disorders of the hair and scalp. Students enrolled in this course will become familiar with the essentials in the proper treatment of hair.

CTE LAB IN COSMETOLOGY AND BARBERING (Grades 10-12)	19147G1005	Credit: 1	FEE: \$30.00
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Capstone course for Cosmetology, Barbering, and Spa Techniques programs.

This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Human Services through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.

CAREER PATHWAY PROJECT - COSMETOLOGY & BARBERING (Grade 12)	19147G1001 New# 19147G1006	Credit: 1	FEE: \$30.00
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Prerequisite: This is the final course in pathway; Instructor Approval

This is a year-long course designed for students who have met the prerequisites requirements and who wish to engage in in-depth exploration; to employ skills in problem-solving, decision-making and independent learning; and to present a culminating project before a selected group.

EDUCATION AND TRAINING ACADEMY

The Teaching and Training program provides students with knowledge and skills needed for teaching and professional training consultant careers. Courses provide an overview of teaching and learning theories; curriculum development; teaching techniques; instructional resources and the use of technology; types of assessments; classroom management strategies; and ethics and professionalism. Students are encouraged to participate in extended learning experiences such as career and technical student organizations (FCCLA) and other leadership or extracurricular organizations.

Career Pathway Program: Educators in Training

Grade 9	Grade 10	Grade 11	Grade 12
Foundations in Education (1 credit)	Practices in Education (1 credit)	Methods in Education (1 credit)	CTE Lab in Education & Training (1 credit)

FOUNDATIONS IN EDUCATION (Grades 9-12)	19151G1001	Credit: 1	FEE: \$20.00
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Foundations in Education (formerly Education and Training) is the foundational course for both the Educators in Training and the Early Childhood Education programs. It presents a broad overview of the work of education professionals, the history of education, the roles and responsibilities of educators, strategies for creating and presenting engaging lessons and activities, methods of measuring student progress, and the domains of development. Foundations in Education is the gateway to specialized courses and internship opportunities in the Education and Training cluster.

PRACTICES IN EDUCATION (Grades 10-12)	19152G1001	Credit: 1	FEE \$20.00
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Prerequisites: Foundations in Education

Practices in Education is designed to equip students with the skills and strategies necessary for providing effective classroom instruction. This course explores the following key topics: community partners and resources, teaching standards, characteristics of professionalism, professional organizations, instructional strategies, and planning and delivery of instruction. The course content is intended to give students a deeper understanding of the practice of teaching and to provide skills they can apply across many fields.

METHODS IN EDUCATION (Grades 10-12)	19152G1002	Credit: 1	FEE \$20.00
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Prerequisites: Foundations in Education & Practices in Education

Methods in Education focuses on the role of educators as facilitators of learning. Students will explore the methods and strategies that enhance learning, as well as current trends in education and instructional

technology. This course strongly emphasizes the sciences of literacy and numeracy. Students will apply their learning in the classroom and create research-based lessons and activities for a variety of populations.

CTE LAB IN EDUCATION AND TRAINING	19197G1002	Credit: 1	FEE: \$20.00
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Prerequisites: Foundations in Education, Practices in Education, & Methods in Education

This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Education and Training through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.

HUMAN GROWTH AND DEVELOPMENT ED299 (Grades 10-12) dual enrollment course	04999C1019	Credit: 1	FEE: Dual Enrollment fee
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Prerequisite: Requirements by college to be eligible for dual enrollment

This course is a dual enrollment course. Students enrolled in this course must be accepted to the college through which this course is offered and pay any required fees prior to the college deadlines for payment. This course is the study of the psychological, social, and physical factors that affect human behavior from conception to death. Students who take this course will also be able to earn credit for UNA105. *This is ONLY offered as a dual enrollment course. See the Dual Enrollment section of this guide or ask a counselor for more information about Dual Enrollment. *Dual fee is based on college guidelines.*
**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*

PROJECT LEAD THE WAY ENGINEERING ACADEMY

The Engineering program enables students to make an informed career choice through the study and application of mechanical, electrical, and other engineering systems. Students conduct research and design engineering projects to enhance their abilities and expand their interest in the field of engineering. Projects reinforce the application of communication, mathematics, and science. Computer technology applications are utilized extensively in this course to enable students to visualize, model, prototype, solve, and report comprehensive design problems.

Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

Career Pathway Program: Project Lead the Way Engineering
Career Readiness Indicator (CRI) opportunity: Fusion 360

Grade 9	Grade 10	Grade 11	Grade 12
PLTW Introduction to Engineering Design (1 Credit)	PLTW Principles of Engineering (1 credit)	PLTW Engineering Design and Development (1 credit)	CTSE Lab in Stem (1 Credit) OR Launch

INTRODUCTION TO ENGINEERING DESIGN (Grades 9-12)	21017G1000	Credit: 1	FEE: \$15.00
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In Introduction to Engineering Design (IED), Students dig deep into the engineering design process, applying mathematics, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software. Recommendation: Students should have achieved a C or higher in math and science in the previous year for success in this course.
Note: This course can be used to satisfy the 4th math credit.

PRINCIPLES OF ENGINEERING (Grades 10-12)	21018G1000	Credit: 1	FEE: \$15.00
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Prerequisites: Introduction to Engineering Design

In Principles of Engineering (POE) students in this course apply the engineering design process through problems that engage and challenge them. Topics explored include mechanisms, structure and material strength, electric circuitry, thermodynamics, and robot coding. Students develop skills in problem-solving, research and design while learning strategies for design process documentation, collaboration, and presentation. **Note: This course can be used to satisfy the 3rd or 4th science credit.**
Recommendation: Students should have achieved at least a B in Introduction to Engineering Design

ENGINEERING DESIGN AND DEVELOPMENT, HONORS (Grades 11-12)	21025G1000	Credit: 1	FEE: \$15.00
Prerequisites: Introduction to Engineering Design, Principles of Engineering			
<p>Engineering Design and Development (EDD) is the capstone course in the PLTW high school engineering program. It is an open-ended engineering research course in which students work in teams to design and develop an original solution to a well-defined and -justified, open-ended problem by applying the engineering design process. Students perform research to select, define, and justify a problem. After carefully defining the design requirements and creating multiple solution approaches, teams of students select an approach and create and test their solution prototype. Student teams present and defend their original solution to an outside panel.</p>			
CTE LAB IN STEM, HONORS (Grades 9-12)	21997G1000	Credit: 1	FEE: \$15.00
Pre-requisites: Successful completion of any two courses in the Engineering cluster and approval of program Instructor.			
<p>This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within STEM through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.</p>			

JUNIOR RESERVE OFFICERS' TRAINING CORPS (JROTC)

The Junior Reserve Officers' Training Corps (JROTC) program prepares high school students for leadership roles while making them aware of their rights, responsibilities and privileges as American citizens

Career Program Pathway: Army JROTC

Career Readiness Indicator (CRI) opportunity: NOCTI - National Occupational Competency Testing Institute

Grade 9	Grade 10	Grade 11	Grade 12
ARMY JROTC LEADER ED AND TRAINING I	ARMY JROTC LEADER ED AND TRAINING II	ARMY JROTC LEADER ED AND TRAINING III	ARMY JROTC LEADER ED AND TRAINING IV

ARMY JROTC LEADER ED AND TRAINING I	09051G1001	Credit: 1	FEE:\$20.00
<p>A one-credit course that provides first-year cadets with classroom and laboratory instruction in the history, customs, traditions, and purpose of Army JROTC. Emphasis is placed on leadership skills, principles, values and attributes, and diversity.</p>			
ARMY JROTC LEADER ED AND TRAINING II	09052G1001	Credit: 1	FEE:\$20.00
<p>Prerequisites: Army JROTC I</p> <p>A one-credit course designed to provide intermediate instruction in leadership and citizenry, and the expansion of skills taught in LET I. Emphasis is placed on communication techniques, cadet challenges, American citizenship, map reading, and the role of the U. S. Army.</p>			
ARMY JROTC LEADER ED AND TRAINING III, HONORS	09053G1001	Credit: 1	FEE:\$20.00
<p>Prerequisites: Army JROTC II</p> <p>A one-credit 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 teachers /leaders within the cadet battalion.</p>			
ARMY JROTC LEADER ED AND TRAINING IV, HONORS	09054G1001	Credit: 1	FEE:\$20.00
<p>Prerequisites: Army JROTC III</p> <p>A one-credit 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.</p>			

Television Production

Graphic Arts Technology is a wide range of printing, publishing, and broadcasting occupations and is expanding into a high-tech industry merging computer technology with production. Students enrolled in this program work to enhance skills in film, edit and broadcasting industry-quality television production. Students develop their knowledge of cameras and equipment found in the broadcasting industry. Program graduates become equipped with the skills and experiences in both the classroom and industry, setting prior to furthering their academic training or being employed in the broadcasting field.

CareerPathway Program: Television Production

Grade 9	Grade 10	Grade 11	Grade 12
Media Productions Foundations (1 Credit)	Broadcasting I (1 credit)	Broadcasting II (1 credit)	CTE Lab in Arts, AV TV, and Comm

MEDIA PRODUCTIONS FOUNDATIONS (Grades 9-12)	11153G1010	Credit: 1	FEE: \$30.00
<p>Media Production Foundations 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 broadcasting I, broadcasting II, and CTE Lab in Arts, AV TV and Communication. This course replaces Introduction to Television Production. <i>This course can be used to satisfy the Career Tech Education or Fine Arts requirement. For course selection purposes, choose Intro to TV Production: 11051G1015</i></p>			
BROADCASTING I (Grades 10-12)	11051G1012	Credit: 1	FEE: \$30.00
<p>Prerequisites: Media Productions Foundations</p> <p>Broadcasting Production I 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. This course replaces TV Production courses. <i>This course can be used to satisfy the Career Tech Education or Fine Arts requirement. Advanced TV Production 11051G1055</i></p>			
BROADCASTING II (Grades 10-12)	11051G1013	Credit: 1	FEE: \$30.00
<p>Prerequisites: Media Productions Foundations & Broadcasting I</p>			

Broadcasting Production II 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. This course replaces TV Production courses. *This course can be used to satisfy the Career Tech Education or Fine Arts requirement. **TV Production/Studio Operations 11051G1035***

CTE Lab in Arts, AV TV, and Comm (Grades 10-12)

11197G1002
New#11994G1001

Credit: 1

FEE: \$30.00

Prerequisites: This is the final course in the TV production sequence.

This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Arts, AV Television, and Communication through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.

HEALTH SCIENCE ACADEMY

The Health Science program introduces students to the healthcare system and assists students in making realistic career decisions. The courses prepare students for acceptance in postsecondary healthcare education programs and/or employment in healthcare jobs. The Health Science program emphasizes the importance of the project, service, and work-based learning experiences. These courses are designed to assist the student in acquiring knowledge and professional ethics essential to all healthcare learners and workers. The development of leadership skills is enhanced through student participation in Health Occupations of America (HOSA).

Career opportunities in the medical field are projected to increase for the next decade. Students have many opportunities to explore the health profession, learn skills and acquire knowledge while setting goals for life after high school.

All students must earn a one-half unit of Health Education to receive a diploma. Earning one credit in Foundations of Health Science meets the requirements for a Health credit.

CareerPathway Program: Health Science

Career Readiness Indicator (CRI) opportunity: Certified Nurse Assisting, Pharmacy Technician

CCR Credential opportunities:

- Certified Patient Care Technician
- Medical Assisting Technology
- Certified Pharmacy Technician-Seniors Level Students Spring Semester
- American Lifeguard Association Certification
- National Emergency Medical Technician –Senior Level Student
- Medical Assisting Technology Degree (beginning with incoming 2018-2019 9th graders)

Organization Affiliation: HOSA

	Grade 9	Grade 10	Grade 11	Grade 12
Pre-Med Pathway	Foundations of Health Science	Medical Terminology	Health Science Internship	LAUNCH
Nursing Pathway	Foundations of Health Science	Medical Terminology	Certified Nursing Assistant	Health Science Internship

FOUNDATIONS OF HEALTH SCIENCE (Grades 9-12)

14002G1001

Credit: 1

FEE:\$30.00

Foundations of Health Science is a required one-credit course that introduces students to a wide range of health careers. Integrated academics combined with healthcare knowledge and skills provide the framework for a strong health care delivery system in the 21st century. This course is the prerequisite for all health science courses. It is recommended for students who want to prepare for further study in an array of health-related fields at the postsecondary level. ***Successful completion of both semesters of this course meets the ½ unit health requirement for graduation.***

MEDICAL TERMINOLOGY (Grades 10-12)	14154G1000 Dual # 14999C1024	Credit: 1	FEE *Dual Enrollment
Prerequisites: Foundations of Health Science			
<p>This is a one-credit course that is designed for students to develop health care specific knowledge for a career in the medical field. The course uses an integrated approach for teaching the language of medicine to the health care student by incorporating medical terminology with anatomy and physiology and the disease process. This method has been proven to be a logical and effective method of learning the language of medicine. <i>*This course could be a dual enrollment option, see Dual Enrollment for details.</i></p> <p><i>*Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.</i></p>			
HEALTH SCIENCE INTERNSHIP, HONORS (Grades 11- 12)	14298G1000	Credit: 1	FEE:\$30.00
Prerequisites: Foundations of Health Science & Medical Terminology; B average in Health Science Courses; teacher referral; internship interview.			
<p>This course provides a 1 credit opportunity for a student to work in a health field while attending school. Students participate in clinicals in the healthcare area, performing the following: entry-level healthcare skills; legal and ethical behaviors; and skills that exhibit knowledge of CPR. Skill performance and legal/ethical awareness as they relate to the health science professions are stressed. Students pay for liability insurance, nametags, and dues for HOSA.</p>			
LONG TERM CARE NURSING ASSISTANT, HONORS (Grade 12)	14999C1034	Credit: 1	FEE:*Dual Enrollment
Prerequisites: Foundations of Health Science			
<p>Nurse Aide Training is a two-credit course. Students pursue skill mastery in the classroom, laboratory, and clinical area. The Nurse Aide Training program and Health Science instructor must be approved by the Alabama Department of Public Health (ADPH), Division of Health Care Services, for students to be eligible to take the National Nurse Aide Assessment. Students must successfully complete an approved program and pass the National Nurse Aide Assessment certification exam in order to become a Certified Nurse Aide (CNA). <i>*This course could be a dual enrollment option, see Dual Enrollment for details.</i></p> <p><i>*Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.</i></p>			
EMERGENCY SERVICES (EMS118 & EMS119) (Emergency Medical Responders) (Grades 10-12) DUAL ENROLLMENT COURSE	14999C1002	Credit: 1	FEE:*Dual Enrollment
Prerequisite: Foundations of Health Science & Medical Terminology			

Emergency Services is a one-credit course that introduces students to the emergency medical profession. Course content emphasizes safety, human structure and function, assessment of emergency clients, ethical behavior, and emergency care procedures. Foundations of Health Science and Medical Terminology are the Prerequisites required for this course. Upon successful completion of this course, students may choose to continue studies in Advanced Health Seminar or Work-Based Experience Seminar. **This course would be offered through dual enrollment on the NWSCC campus. See the Dual Enrollment section of this guide or discuss it with a guidance counselor.*

**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*

CTE Lab in Health Sciences	14999G1000	Credit: 1	FEE:None
Prerequisite: Foundations of Health Science & Medical Terminology			
<p>This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Health Science through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.</p>			

HOSPITALITY & TOURISM/CULINARY ARTS ACADEMY

Students who are interested in becoming a Chef, or owning a restaurant can find exciting careers in the Hospitality and Tourism Cluster. Through the Culinary Arts program, students will study the craft of culinary arts in a simulated workplace, restaurant-quality kitchen.

Students will focus on the fundamentals of food preparation then progress to mastering various culinary disciplines in an industrial production environment. Students will also obtain skills in facilities management, leadership, and the business/financial side of the industry. Students graduating from the program will be prepared for post-secondary culinary programs as well as entering the industry workforce.

Completion of prescribed courses allows opportunities for students to acquire **Prostart and ServSafe Credentialing** which are certifications recognized by the National Restaurant Association. Students may also pursue articulation of course credits with postsecondary colleges and dual enrollment opportunities. The successful completion of Hospitality & Tourism/Introduction to Culinary, Culinary I, and Culinary II leads to five credit hours with the two-year colleges across the state of Alabama that have an accredited Culinary Arts program of study.

Family, Career, and Community Leaders of America (FCCLA), an integral part of the curriculum, enhances leadership development skills and provides opportunities for community service.

Culinary I and Culinary II are one-semester courses (with one unit of credit for each) that meet for a two-hour period.

Career Pathway Program: Food and Beverage Services
Career Readiness Indicator (CRI) opportunity: ServSafe Manager

Grade 9	Grade 10	Grade 11	Grade 12
Hospitality & Tourism/Intro to Culinary (1 credit)	Culinary I: Fall semester (1 credit 2 periods) AND Culinary II: Spring semester (1 credit 2 periods)	CTE Lab in Hospitality & Tourism (1 credit)	Career Pathway Project (1 credit)

INTRO TO HOSPITALITY & TOURISM (Grades 10-11)	16001G1001	Credit: 1	FEE:\$35.00
<p>This one-credit course is the prerequisite to all Culinary Arts courses. It requires students to describe and demonstrate the methods used for the safe handling of knives and garnishing tools. Lessons on knife skills and on safely using culinary equipment are included in the course content. Major topics include an introduction to hospitality and tourism, recreation, travel and tourism, lodging, restaurants, and food and beverage services. Safety and sanitation, customer relations, and quality services are emphasized. Students develop culinary skills in the kitchen lab through the application of food preparation using commercial equipment. Course content also includes applying culinary calculations to recipes and assessing factors that affect food quality.</p>			
CULINARY I : Block course (2 periods fall semester)	16053G1012	Credit: 1	FEE: \$40.00

(Grades 10-12)			
Prerequisite: Hospitality & Tourism/Introduction to Culinary			
Culinary I, a one-semester course, meets for two hours and teaches students advanced knowledge and skills used in the culinary arts and hospitality industries. Concepts addressed in the course include customer relations, cost and quality control, business management, laws and regulations, and proper storage techniques. Students learn about special dietary needs, international cuisines, and the preparation of food products for all menu categories. Skills involving food presentation techniques, planning artistic food displays, and preparing food items for special occasions such as banquet and catering services are included in this advanced course. Students will analyze the impact of technology on the culinary arts and classify careers related to culinary arts.			
CULINARY II, HONORS Block course (2 periods spring semester) (Grades 11-12)	16053G1022	Credit: 1	FEE: \$40.00
Prerequisite: Culinary I			
This advanced two-hour course allows students the opportunities to refine skills in event planning and hospitality services. Students are involved in projects that require them to demonstrate culinary food production including banquet and catering services. Concepts addressed in the course include: customer needs and wants, laws and regulations, maintaining storage facilities, cost control, quality control, hiring and training employees, advertising strategies, and guest and customer relations.			
CTE LAB IN HOSPITALITY AND TOURISM	16097G1002	Credit: 1	FEE: \$40.00
Prerequisite: CTE Lab is the Capstone course for the Culinary Pathway			
This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Hospitality and Tourism through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.			
CAREER PATHWAY PROJECT IN HOSPITALITY AND TOURISM (Grade 12)	16097G1005	Credit: 1	FEE: \$40.00
Prerequisite: Culinary II			
This is a two-period, one-semester course designed for students who have met the prerequisite requirements and who wish to engage in in-depth exploration; to employ skills in problem-solving decision-making and independent learning; and to present a culminating project before a selected group.			

12 FOR LIFE

Career Readiness Indicator (CRI) opportunity: Certification of Completion 12 for Life

12 For LIFE Soft Skills (Workforce Readiness) (Grades 9-12)	22152G1002	Credit: 1	FEE: None
<p>This course is required for participation in the Work-Based Experience Seminar/12 For Life.</p> <p>Students are provided opportunities to research careers and compare the relationship between educational achievement and career planning. A major emphasis is placed on the effect of work on lifestyles and on personal responsibility for making educational and occupational choices.</p> <p>Course content includes researching and demonstrating skills and behaviors that involve: having successful job interviews, preparing a resume, completing job applications; describing the appropriate dress and grooming for the workplace, communicating effectively, using business etiquette, identifying ethical behavior in the workplace, describing legal issues affecting business, identifying leadership styles and skills, promoting teamwork, and utilizing technology in the workplace.</p> <p>Students acquire knowledge and skills that will prepare them to be competitive in the workplace. Instruction is computer-based using the Ready-to-Work face-to-face and web-based curriculum. Upon completion, students are provided an opportunity to participate in assessments involving three areas recognized by businesses and industries. Students earn credentialing by WorkKeys Assessments which identifies the individual student's levels of competencies in specific areas. The certificates awarded are used by many businesses and industries for hiring purposes.</p>			

WORK-BASED EXPERIENCE SEMINAR/ 12 For LIFE (Grades 11-12)	22998G1014	Credit: 2	FEE: None
<p>Prerequisite: 12 For Life Soft Skills (completed or in progress); or age eligible) At least 16 years old; Means of transportation to job site; Interview/Application with 12 For Life Facilitator</p> <p>Students are permitted to work off-campus and receive wages as well as two units of credit. They are excused from school each afternoon to report to their workplace.</p> <p>Each student is required to participate in a class that meets once per week. Course content includes the development of a career education plan and portfolio, resume building, a review of work evaluations, job and/or college applications, references, letters of recommendation, wage and hour reports, and workplace issues.</p> <p>The application of acquired knowledge is demonstrated as students learn to apply ethics and social responsibility in the workplace and demonstrate proficiency in managing personal finances.</p> <p>Students working at 12 For Life will have the opportunity to earn Manufacturing Skill Standards Council (MSSC) certifications. MSSC is an industry-led, training, assessment, and certification system focused on the core skills and knowledge needed by the nation's front-line production and material handling workers. The nationwide MSSC System, based upon industry-defined and federally-endorsed standards, offers both entry-level and incumbent workers the opportunity to demonstrate that they have acquired the skills increasingly needed in the technology-intensive jobs of the 21st century.</p>			

LAUNCH

LAUNCH

22152G1002

Credit: 2

FEE: None

To apply, students must do the following:

- Be at least 16 years of age
- Have transportation
- Complete a career inventory application
- Interview with FHS/Launch administrators

The Launch Career Development Program is designed to serve as a catalyst to “Launch” prospective students into their chosen career path with a proactive approach of creating internship and apprenticeship experiences. Through this “on-the-job” training students are able to obtain valuable knowledge related to their specific career interests, showcase their talents and abilities, make vital network connections, and learn how to not only be an employee but also gain understanding in how to elevate performance and become promotable. In addition to the job training component, the students complete a developmental skill elevation class directed toward maximizing all employee attributes. The Launch program will significantly enhance the participant's resume upon leaving high school resulting in them being increasingly marketable and desirable for colleges and potential employers.

MECHATRONICS

Mechatronics is an industrial maintenance/engineering career field and skill set. This highly sought after knowledge/skill area puts students at a significant advantage to obtain certain high-wage, high-demand jobs in a manufacturing and/or mechanical engineering setting.

All courses are offered as dual enrollment classes through UNA and would be held at the Career Training Center (located on Florence Boulevard). Students may enroll in these courses at the beginning of 10th grade. Dual enrollment fees apply. The full Associate's Degree program is listed in the Early College section. Students may take individual courses directed to their individual career path.

MEC 101 – INDUSTRIAL SAFETY Dual Enrollment only	13999C1059	Credit: 1 Fall	FEE: Dual Fee as applicable
<p>This course is an introduction to general issues, concepts, procedures, hazards, and safety standards found in the industrial environment. This safety course is to make technicians aware of safety issues associated with their changing work environment and attempts to eliminate industrial accidents. This course will be an in-person course and will be taught at the Career Training Center.</p> <p><i>*Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.</i></p>			
MEC 230 - PREVENTIVE MAINTENANCE Dual Enrollment only	13999C1051	Credit: 1 Spring	FEE: Dual Fee as applicable
<p>This course focuses on the concepts and applications of preventive maintenance. Topics include the introduction of alignment equipment, job safety, tool safety, preventive maintenance concepts, procedures, tasks, and predictive maintenance concepts. Upon course completion, students will demonstrate the ability to apply proper preventive maintenance and explain predictive maintenance concepts.</p> <p><i>*Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.</i></p>			

Additional courses offered through UNA that lead to certifications in Controls Systems, Mechanical Systems, and Systems Operations or an Associate's Degree in Mechatronics.

Core program courses (required for each certificate option – 11 credit hours):

- MEC 101 – Industrial Safety [3 credit hours]
- MEC 110 – Instrumentation and Industrial Measurement [4 credit hours]
- MEC 140 – AC and DC Fundamentals and Circuits [4 credit hours]

Certificate #1: Controls Systems

- MEC 210 – Programmable Logic Controllers [4 credit hours]
- MEC 240 – Industrial Process Control [3 credit hours]
- MEC 270 – Advanced Programmable Logic Controllers [4 credit hours]

Certificate #2: Mechanical Systems

- MEC 160 – Industrial Hydraulics and Pneumatics [4 credit hours]
- MEC 220 – Electric Motors and Controls [4 credit hours]
- MEC 260 – Robotics [4 credit hours]

Certificate #3: Systems Operations

- ET 200 – Manufacturing Processes [3 credit hours]

- MEC 230 – Preventive Maintenance [3 credit hours]
- MEC 280 – Industrial Quality Control [3 credit hours]

MODERN MANUFACTURING

Modern Manufacturing Center of Excellence is designed to prepare students for entry level positions in manufacturing. These courses align with ACE, OSHA10, and SACA standards which include modular courses for: Employability Skills, Safety, Tool Management, and Principles in Manufacturing.

CRI: Alabama Certified Employee (ACE) and Forklift Operator - Skills for Success

In demand occupations:

First Line Supervisors of Production and Operating Workers, Maintenance & Repair Workers, Manufacturing Operations Manager, Manufacturing Operations Technician, Miscellaneous Assemblers & Fabricators

Basics of Manufacturing COE 1	13101G1061	Credit: 1	FEE:
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Courses to be offered in future years include:

- Basic of Manufacturing COE 2 / 13101G1062
- Basic of Manufacturing COE 3 / 13101G1063

COOPERATIVE EDUCATION INTERNSHIPS/ APPRENTICESHIPS

Cooperative Education is a structured component of the Career and Technical Education (CTE) curriculum that integrates classroom instruction with productive, progressive, supervised, work-based experience/ apprenticeships (Paid) and internships (Unpaid), related to a student's career objective. Content is planned for students through a cooperative arrangement between the school and employer as a component of work-based learning.

The Internships and Apprenticeships program provides opportunities for students to work in the Apprenticeship component and earn money while attending high school. This program assists students in making smart choices about a career by helping them identify their abilities, internship, and aptitudes. Students learn valuable skills that enable them to be successful while participating in work-site experience in the Florence area. The goal of this program is for the student to gain firsthand experience and information for making career choices. To be enrolled, a student must:

- Be at least 16 years old,
- Be in grade 11 or 12,
- Have a means of transportation to the job site, and
- Apply and interview with a CO-OP Coordinator.

Students are permitted to work off-campus and receive wages. They must acquire a minimum of 140 clock hours in a work-related setting for each credit earned. They are excused from school each afternoon to report to their workplace.

INTERNSHIPS AND APPRENTICESHIPS

Prerequisites: Career Preparedness

22998G1014 Internship/Apprenticeship I

Cooperative Education Work-Based Experience

WELDING TECHNOLOGY ACADEMY

The Architecture and Construction Technology Program consists of courses designed to provide the knowledge and skills needed to introduce students to careers in engineering, welding, robotics, and building construction. The courses include significant technical depth and engineering concepts and terminology. Students choosing a career in this program of study enjoy challenging curricula and develop the ability to pay close attention to detail in daily work tasks. Topics of study include metal welding, brazing, cutting operations, and blueprint reading. Students gain knowledge and skills through an active, structured, and stimulating environment coordinated with simulated workplace learning experiences.

CareerPathway Program: Welding

Career Readiness Indicator (CRI) opportunity: NCCER - National Center for Construction Education and Research

	Grade 9	Grade 10	Grade 11	Grade 12
High school welding	Architecture and Construction Foundations	SMAW I	SMAW II	GMAW & FCAW
Dual enrollment in grades 10-12 (dual courses are 2 periods)	Architecture and Construction Foundations	SMAW/FILLET OFC (WDT108) Fall sem. AND SMAW/FILLET OFC Lab (WDT122) Spr sem	SMAW/FILLET/PAC/CAC (WDT109) Fall sem. AND SMAW/FILLET/PAC/CAC lab (WDT123) Spr sem.	Shielded Metal Arc Welding Groove (WDT116) Fall sem AND Shielded Metal Arc Welding Groove Lab (WDT125) Spr sem

Architecture and Construction Foundations (Grades 9-12)	17002G1002	Credit: 1	FEE: \$30.00
<p>Architecture and Construction Foundations is the foundational course for the Architecture and Construction career cluster. It is the first step in any of the three pathways (Construction, Design and Preconstruction, or Maintenance and Operations). Topics include construction mathematics; hand and power tools; construction drawings, specifications, and layout; communication; and material handling.</p>			
Welding: SMAW I (Grades 10-12)	13207G1001	Credit: 1	FEE: \$30.00
<p>Prerequisites: Architecture and Construction Foundations (Grades 9-12)</p>			
<p>Welding: SMAW I is designed to provide a fundamental understanding of welding safety and basic shielded metal arc welding (SMAW) equipment and procedures. Standards are designed to equip students with knowledge and skills for setting up equipment, preparing surfaces, and performing safe oxy-fuel cutting and welding.</p>			

Welding: SMAW II (Grades 11-12)	13207G1002	Credit: 1	FEE: \$30.00
Prerequisites: SMAW I			
Welding: SMAW II presents information and skills needed to weld pipes and plates of various kinds. Topics include SMAW open-root pipe welds, plate welding, and stainless steel and carbon steel welding. The course also incorporates information about gas tungsten arc (tungsten inert gas) welding.			
Welding: GMAW & FCAW (Grades 11-12)	13207G1003	Credit: 1	FEE: \$30.00
Prerequisites: SMAW II			
Welding: GMAW and FCAW introduce metal arc and flux-cored arc welding processes. Emphasis is placed on safe operating practices, handling, and storage of compressed gasses. Process principles, component identification, various welding techniques, and base and filler metal identification are introduced. This course aims to prepare students to perform GMAW and FCAW welds in various positions.			
CTE Lab in Architecture and Construction	17017G1000	Credit: 1	FEE: \$30.00
Prerequisites: This is the final course in the pathway.			
This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Architecture and Construction through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.			
<i>WELDING NWSCC DUAL ENROLLMENT CLASSES</i>			
Welding: SMAW FILLET/OFC (WDT 108) (Grades 10 -12)	13249C1029	Credit: 1	FEE: Dual Enrollment Fee
This course provides the student with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of oxy-fuel cutting. <i>*Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.</i>			
Welding: SMAW FILLET/PAC/CAC (WDT 109) (Grades 10 -12)	13249C1030	Credit: 1	FEE: Dual Enrollment Fee

This course provides the student with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of carbon arc cutting and plasma arc cutting.

**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*

Welding: SHIELDED METAL ARC WELDING GROOVE (WDT 116) (Grades 10 -12)	13249C1035	Credit: 1	FEE: Dual Enrollment Fee
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This course provides the student with instruction on joint design, joint preparation, and fit-up of groove welds in accordance with applicable welding codes. Emphasis is placed on safe operation, joint design, joint preparation, and fit-up. Upon completion, students should be able to identify the proper joint design, joint preparation and fit-up of groove welds in accordance with applicable welding codes.

**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*

Welding: SMAW FILLET/OFC LAB (WDT 122) (Grades 10 -12)	13249C1036	Credit: 1	FEE: Dual Enrollment Fee
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Prerequisites: SMAW FILLET/OFC (WDT 108)

This course is designed to introduce the student to the proper set-up and operation of the shielded metal arc welding equipment. Emphasis is placed on striking and controlling the arc, and proper fit up of fillet joints. This course is also designed to instruct students in the safe operation of oxy-fuel cutting. Upon completion, students should be able to make fillet welds in all positions using electrodes in the F-3 groups in accordance with applicable welding code and be able to safely operate oxy-fuel equipment and perform those operations as per the applicable welding code.

**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*

SMAW FILLET/ PAC/CAC LAB (WDT 123) (Grades 10 -12)	13249C1037	Credit: 1	FEE: Dual Enrollment Fee
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Prerequisites: SMAW FILLET/PAC/CAC (WDT 109)

This course is designed to introduce the student to the proper set-up and operation of the shielded metal arc welding equipment. Emphasis is placed on striking and controlling the arc, and proper fit up of fillet joints. This course is also designed to instruct students in the safe operation of plasma arc and carbon arc cutting. Upon completion, students should be able to make fillet welds in all positions using electrodes in the F-4 groups in accordance with applicable welding code and be able to safely operate plasma arc and carbon arc equipment and perform those operations as per applicable welding code.

**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*

SHIELDED METAL ARC WELDING GROOVE LAB (WDT 125) (Grades 10 -12)	13249C1039	Credit: 1	FEE: Dual Enrollment Fee
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Prerequisites: SHIELDED METAL ARC WELDING GROOVE (WDT 116)

This course provides instruction and demonstrations in the shielded metal arc welding process on carbon steel plate with various size F3 and F4 group electrodes in all positions. Emphasis is placed on welding groove joints and using various F3 and F4 group electrodes in all positions. Upon completion, the student should be able to make visually acceptable groove weld joints in accordance with applicable welding codes.

**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*

WELDING EQUIPMENT UTILIZED IN THIS PROGRAM:

Shielded Metal Arc Welder, Tungsten Inert Gas Welder, Metal Inert Gas Welder, Plasma Arc Cutting Machine, 65 Ton Ironworker, Sheet Metal Shear, Sheet Metal Box, Pan Brake, Square-wave TIG Machine and Invertec Stick Welding Machine.

FINE ARTS

Florence offers a variety of courses that students can take to fulfill the Career Tech/Foreign Language/Arts component of the Alabama High School graduation requirement. All courses listed in this section satisfy this requirement as well as the electives portion of the graduation requirement.

Additionally, the Florence Academy of Fine Arts (FAFA) gives students the opportunity to receive a Fine Arts diploma distinction. The following FAFA divisions encompass the components of a full, rich Fine Arts program:

FLORENCE ACADEMY OF FINE ARTS (FAFA)

www.goFAFA.org

FAFA Areas of Study

Media Art area of study <ul style="list-style-type: none">• Computer Animation• Interactive Game Design Visual Art area of study <ul style="list-style-type: none">• Visual art• Photography	Recording Arts area of study <ul style="list-style-type: none">• Songwriting• Guitar• Piano• Music Technology	Band area of study <ul style="list-style-type: none">• Marching Band• Percussion• Majorette
Choral area of study <ul style="list-style-type: none">• Show Choir Orchestra area of study <ul style="list-style-type: none">• Orchestra	Digital Media area of study <ul style="list-style-type: none">• Television Production Creative Writing area of study <ul style="list-style-type: none">• Creative Writing	Dance area of study <ul style="list-style-type: none">• Dance Theatre area of study <ul style="list-style-type: none">• Theatre• Technical Theatre

Instructors in the FAFA program are certified teachers, professional musicians, and artists.

Florence Academy of Fine Arts Distinction:

1. In order to receive the Fine Arts Distinction, you must declare a Fine Arts area of study.
2. Must complete seven credits in Fine Arts, four in the area of declared study, and three electives from the Fine Arts curriculum (See Florence Academy of Fine Arts section in this guide for individual program of study requirements.)

3. Fine Arts participants are encouraged to participate in all regional and state competitions and activities for the declared area of study.
4. All other course requirements of the Alabama diploma.

Media Arts

For students wishing to pursue the Fine Arts Distinction, if Media Art is the declared study, the following two possible pathways are available:

Grade 9	Grade 10	Grade 11	Grade 12
Computer Animation I	Computer Animation II	Computer Animation III	Media Arts, Independent Study

Grade 9	Grade 10	Grade 11	Grade 12
Interactive Game Design I	Interactive Game Design II	Interactive Game Design III	Media Arts, Independent Study

COMPUTER ANIMATION I (Moving Image Animation I) (Grades 9-12)	05256G1001	Credit: 1	FEE:\$30.00
This course serves as an introduction to the world of 3-D visualization through the program Maya (the movie industry base). Students will learn the basics of modeling, texturing, and lighting that enable them to create their own environment in the computer framework.			
COMPUTER ANIMATION II (Moving Image Animation II) (Grades 10-12)	05256G1002	Credit: 1	FEE:\$30.00
Prerequisites: Computer Animation I			
Students will continue their skill levels in modeling, texturing, and lighting while beginning to learn in-depth animation skills.			

COMPUTER ANIMATION III, HONORS (Moving Image Animation III) (Grades 10-12)	05256G1003	Credit: 1	FEE:\$30.00
Prerequisites: Computer Animation II			
Using what they have learned in prior classes, students will begin working on creating their own characters. Students will model, texture, rig, and animate characters learning the process from start to finish.			
Media Arts, Independent Study (Grades 11-12)	05154G1004	Credit: 1	FEE:\$30.00
Prerequisites: Computer Animation III			
This course is the culmination of the Computer Animation Strand. Students will challenge themselves, picking projects that they can use as a portfolio piece. Knowledge needed to get into college with a strong portfolio will be gained as students are properly prepared for the next stage of their career.			
INTERACTIVE GAME DESIGN I (Grades 9-12)	05253G1001	Credit 1.0	FEE: \$30.00
This one-credit course, proficient level, introduces the creative and conceptual aspects of designing and producing 2-D and 3-D interactive game experiences and products, including reactive (sensory-based [touch, proximity, movement, etc.]) devices and interactive technologies, interface design, mobile device applications, web multimedia and/or virtual reality games. Typical course topics include aesthetic meaning, appreciation, and analysis; story design (or storytelling), game construction and development; game theory and dynamics; processing, modeling, simulation, and programming of interactive experiences; their transmission, distribution, marketing, as well as contextual, cultural and historical aspects and considerations.			
INTERACTIVE GAME DESIGN II (Grades 9-12)	05253G1002	Credit 1.0	FEE: \$30.00
Prerequisite: Interactive Game Design I or Approval of the Instructor.			
This one-credit course, accomplished level, continues the creative and conceptual aspects of designing and producing 2-D and 3-D interactive game experiences and products, including reactive (sensory-based [touch, proximity, movement, etc.]) devices and interactive technologies, interface design, mobile device applications, web multimedia and/or virtual reality games. Typical course topics include aesthetic meaning, appreciation, and analysis; story design (or storytelling), game construction and development; game theory and dynamics; processing, modeling, simulation, and programming of interactive experiences; their transmission, distribution, marketing, as well as contextual, cultural and historical aspects and considerations.			
INTERACTIVE GAME DESIGN III (Grades 9-12)	05253G1003	Credit 1.0	FEE: \$30.00
Prerequisite: Interactive Game Design II or Approval of the Instructor.			

This one-credit course, advanced level, refine the creative and conceptual aspects of designing and producing 2-D and 3-D interactive game experiences and products, including reactive (sensory-based [touch, proximity, movement, etc.]) devices and interactive technologies, interface design, mobile device applications, web multimedia and/or virtual reality games. Typical course topics include aesthetic meaning, appreciation, and analysis; story design (or storytelling), game construction and development; game theory and dynamics; processing, modeling, simulation, and programming of interactive experiences; their transmission, distribution, marketing, as well as contextual, cultural and historical aspects and considerations.

Visual Art

For students wishing to pursue the Fine Arts Distinction, if Visual Art is the declared study, the following two possible pathways are available:

Grade 9	Grade 10	Grade 11	Grade 12
Visual Arts I	Visual Arts II	Visual Arts III	Visual Arts IV or AP 2-D Art & Design or AP 3-D Art & Design

Grade 9	Grade 10	Grade 11	Grade 12
Visual Arts, Digital Photography I	Visual Arts, Digital Photography II	Visual Arts, Digital Photography III	Visual Arts, Digital Photography IV

VISUAL ARTS I (Grades 9-12)	05154G1001	Credit: 1	FEE:\$30.00
<p>This course is the first step for the visual artist as he/she explores the basics of drawing and the concepts of shape, shadow and highlight. It includes an exploration of the principles of visual art and the effect of those principles on future artistic endeavors. Students will work with a wide variety of media. This is a full-credit course for students pursuing entry into the Visual Arts in FAFA.</p>			
VISUAL ARTS II (Grades 9-12)	05154G1002	Credit: 1	FEE:\$30.00
<p>Prerequisites: Visual Arts I</p> <p>Visual Arts II will focus on design elements and principles of design, drawing skills, 3D art, ceramics, painting, and printmaking. Students will learn to critique their own artwork and the work of their peers. Every student will be required to keep a sketchbook and we will study methods and qualities of keeping a good sketchbook.</p>			
VISUAL ARTS III (Grades 9-12)	05154G1003	Credit: 1	FEE:\$30.00
<p>Prerequisites: Visual Arts II</p> <p>Visual Arts III is designed to function as independent study for art students. Students will have the opportunity to enhance their skills in the mediums of their choice while incorporating advanced composition and design. College and workforce opportunities will be a mai</p>			
VISUAL ARTS IV, HONORS (Portfolio and Studio Art) (Grades 12)	05154G1004	Credit: 1	FEE:\$30.00
<p>Prerequisites: Visual Arts III</p>			

This one-credit course, advanced level, is focused on creating, presenting, responding, and connecting drive critical thinking, meaning, reflection, production, and assessment to understand how visual arts communicate ideas and allows for self-expression. Through exploration and experimentation, this course provides students with an advanced study in studio processes, art criticism, aesthetics, and art history. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design to create original works of art. Safe practices and proper use of tools and materials are emphasized. The student learns the necessary ingredients of a portfolio and proceeds, with the assistance of the instructor, to create one for use in applying to college(s) of choice.

STUDIO ART, 2-DIMENSIONAL DESIGN (AP) ADVANCED PLACEMENT	05174E1000	Credit: 1	FEE:\$30.00 *Cost of AP exam
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Prerequisites: Instructor Approval

AP Art and Design courses are for all students who are interested in inquiry-based thinking and making. Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions. Students may choose to submit any or all of the AP Portfolio Exams. **NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see bookkeeping for information.*

STUDIO ART, 3-DIMENSIONAL DESIGN (AP) ADVANCED PLACEMENT	05175E1000	Credit: 1	FEE:\$30.00 *Cost of AP exam
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Prerequisites: Instructor Approval

AP Art and Design courses are for all students who are interested in inquiry-based thinking and making. Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions. Students may choose to submit any or all of the AP Portfolio Exams. **NOTE: AP exam fees MUST be paid by November 1 each year. Scholarship funds may be available - see bookkeeping for information.*

VISUAL ARTS, DIGITAL PHOTOGRAPHY I (Grades 9-12)	05167G10D1	Credit: 1.0	FEE:\$30.00
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As students' skills with digital photography increase, so does the complexity of the compositions and the creative use of color. Interest grows as students do an in-depth exploration of photography's possibilities. Photography II students are encouraged to participate in competitions. *Students will furnish their own cameras.*

VISUAL ARTS, DIGITAL PHOTOGRAPHY II (Grades 10-12)	05167G10D2	Credit: 1.0	FEE:\$30.00
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Prerequisites: Visual Arts, Digital Photography I

As students' skills with digital photography increase, so does the complexity of the compositions and the creative use of color. Interest grows as students do an in-depth exploration of photography's possibilities. Photography II students are encouraged to participate in competitions. *Students will furnish their own cameras.*

**VISUAL ARTS, DIGITAL PHOTOGRAPHY III,
HONORS
(Grades 10-12)**

05167G10D3

Credit: 1.0

FEE:\$30.00

Prerequisites: Visual Arts, Digital Photography II

Photography as an art form is the emphasis of this course. Students are able to use the digital camera in creative ways by studying masters of the craft and by personal experimentation. Participation in competitions is encouraged, while participation in a school-level photography show is required. *Students will furnish their own cameras.*

**VISUAL ARTS, DIGITAL PHOTOGRAPHY IV,
HONORS
(Grades 10-12)**

05167G10D4

Credit: 1.0

FEE:\$30.00

Prerequisites: Visual Arts, Digital Photography III

Students will work independently to create several bodies of work. The student continues in the Photography strand to develop in skill. *Students will furnish their own cameras.*

Band Major

For students wishing to pursue the Fine Arts Distinction, if Band is the Declared study, there are multiple pathways which include:

Grade 9	Grade 10	Grade 11	Grade 12
1 credit of Traditional & Emerging Ensemble I	1 credit of Traditional & Emerging Ensemble II	1 credit of Traditional & Emerging Ensemble III	1 credit of Traditional & Emerging Ensemble IV, Honors

NOTE:

- *1 full credit in Traditional & Emerging Ensemble Marching band meets the requirement for the one unit of credit in Physical Education necessary for graduation.*
- *Marching Percussion & Percussion Ensemble must be taken as a yearlong program of study and are required to be taken together.*

TRADITIONAL & EMERGING ENSEMBLE MARCHING BAND (For Marching Band I, II, III) (Grades 9-12)	05103G0501, 05103G0502, 05103G0503	Credit: 0.5	FEE: \$45.00
Prerequisites: Audition only			
Through auditions before panels of judges, students are selected as members of the majorette troupe, the color guard and the dance line. Information regarding tryouts is available from your counselor and from the band director. THESE COURSE NUMBERS ARE FOR AUXILIARY MEMBERS ONLY.			
TRADITIONAL & EMERGING ENSEMBLE MARCHING BAND (For Marching Band IV HONORS)	05103G0504	Credit: 0.5	FEE: \$45.00
Prerequisite: Audition and completion of Band Auxiliary I, II, and III			
This is a one-half credit course, accomplished level, designed for students with multiple years of high school auxiliary experience. Through auditions before panels of judges, students are selected as members of the majorette troupe, the color guard and the dance line. Information regarding tryouts is available from your counselor and from the band director. THIS COURSE NUMBERS ARE FOR AUXILIARY MEMBERS ONLY.			
TRADITIONAL & EMERGING ENSEMBLE MARCHING BAND (For Marching Band I, II, III) (Grades 9-12)	05103G1001 05103G1002 05103G1003	Credit: 1.0	FEE:\$ 45.00
Prerequisites:Approval by Band Director			
Musical instruction as well as opportunities to participate in full-band competitions in a variety of venues and in individual competitions such as Solo and Ensemble, All-State honor bands – these and more constitute the fourth level of Band. This is a year-long class that includes both Marching Band (fall) and Concert Band (spring).			

TRADITIONAL & EMERGING ENSEMBLE MARCHING BAND IV, HONORS (Grade 12)	05103G1004	Credit: 1.0	FEE: \$45.00
Prerequisites: Marching Band III or Approval of the Instructor			
This is a one credit course, accomplished level, is designed for students with multiple years of high school study to experience instrumental music in a marching band setting. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. This is a year-long class that includes both Marching Band (fall) and Concert Band (spring).			
INTRODUCTION TO PERCUSSION I (Grades 9-12)	05109G10P1	Credit: 1.0	FEE: \$45.00
Prerequisites: One year of Band experience; approval by Instructor and Band Director			
This course is a one-credit, year-long course. Students enrolled in this course comprise a complementary ensemble for the "Big Blue" Marching Band and the spring concert band.			
PERCUSSION II (Grades 10-12)	05109G10P2	Credit: 1.0	FEE:\$45.00
Prerequisites: Intro to Percussion I			
This course is a one-credit, year-long course. Students enrolled in this course comprise a complementary ensemble for the "Big Blue" Marching Band and the spring concert band. Concepts included in the instruction for the course reinforce the needed skill sets by outstanding percussionists.			
PERCUSSION III (Grades 11-12)	05109G10P3	Credit: 1.0	FEE: \$45.00
Prerequisites: Percussion II			
This course is a one-credit, year-long course. Students enrolled in this course comprise a complementary ensemble for the "Big Blue" Marching Band and the spring concert band. Concepts and literature learned in the course are geared toward both the marching battery and the outdoor front ensemble			
PERCUSSION IV, HONORS (Grade 12)	05109G10P4	Credit: 1.0	FEE: \$45.00
Prerequisites: Percussion III and Approval of the Instructor			
This is a one credit course, accomplished level, designed for students with multiple years of high school study to experience instrumental music in a setting of only percussion instruments. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of			

music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

Choral

Grade 9	Grade 10	Grade 11	Grade 12
1 credit of Show Choir I	1 credit of Show Choir II	1 credit of Show Choir III	1 credit of Show Choir IV

SHOW CHOIR I (Grades 9-12)	05121G1001	Credit: 1	FEE: \$10.00
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This is a one credit course, novice level, designed for beginning music students to explore popular music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills, choreography and movement and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these popular vocal style experiences to historical relevance, contemporary issues, and self-reflection. *NOTE: Participation in Show Choir meets the requirement for the one unit of credit in Physical Education.*

SHOW CHOIR II (Grades 10-12)	05121G1002	Credit: 1	FEE: \$10.00
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Prerequisites: Show Choir I

This is a one credit course, intermediate level, designed for students with at least one year of experience to continue to explore popular music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop basic vocal skills, choreography and movement and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these popular vocal style experiences to historical relevance, contemporary issue, and self-reflection. *NOTE: Participation in Show Choir meets the requirement for the one unit of credit in Physical Education.*

SHOW CHOIR III (Grades 11-12)	05121G1003	Credit: 1	FEE: \$10.00
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Prerequisites: Show Choir II

This is a one credit course, proficient level, designed for students to increase artistry by exploring popular music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills, choreography and movement and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these popular vocal style experiences to historical relevance, contemporary issue, and self-reflection. *NOTE: Participation in Show Choir meets the requirement for the one unit of credit in Physical Education.*

SHOW CHOIR IV, HONORS (Grade 12)	05121G1004	Credit: 1	FEE: \$10.00
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Prerequisites: Show Choir III

This is a one credit course, accomplished level, designed for students with multiple years of high school study to explore popular music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills, choreography and movement and sight-reading techniques. This level is designed to extend students' choral skills and artistry and to provide a deeper understanding and appreciation of the study of music. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these popular vocal style experiences to historical relevance, contemporary issue, and self-reflection. *NOTE: Participation in Show Choir meets the requirement for the one unit of credit in Physical Education.*


Creative Writing

For students wishing to pursue the Fine Arts Distinction, if Creative Writing is the Declared study, the following would be the pathway:

Grade 9	Grade 10	Grade 11 or 12
Creative Writing I	Composition, Expository	Other English Electives


	CREATIVE WRITING I (Grades 9-12)	01104G1000	Credit:1.0	FEE: None
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Creative Writing I is designed for students who wish to express themselves creatively. Students are required to contribute pieces suited to literary publication. Students read, study, and write short stories, poems, essays, and one-act plays which will then be entered in local, state, and national writing contests. Students are also expected to keep a writing portfolio and to complete individual projects, which may then be printed in the literary publication.

	COMPOSITION, EXPOSITORY (Grades 10-12)	01103G1000	Credit 1.0	FEE: None
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Prerequisites: Creative Writing I

Building on skills learned in Creative Writing I, students become more comfortable expressing themselves as writers of short stories, poems, essays, and one-act plays. Students are required to contribute pieces suited to the literary publication. They maintain their writing portfolio and continue to enter local, state, and national writing contests.

	Other English Electives (Creative Writing III) (Grades 11-12)	01099G1000	Credit: 1.0	FEE: None
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Prerequisites: Creative Writing II

In their third year of Creative Writing, students continue to experiment with all genres of writing, but they also begin to focus on the type(s) to which their muse directs them. Students are required to contribute pieces suited to literary publication. They maintain their writing portfolio and continue to enter local, state and national writing contests

Dance Major

For students wishing to pursue the Fine Arts Distinction, if Dance is the Declared study, the following would be the pathway:

Grade 9	Grade 10	Grade 11	Grade 12
1 credit Dance Level I	1 credit of Dance Level II	1 credit of Dance Level III	1 credit of Dance Level IV

INTRODUCTION TO DANCE (ENSEMBLE I) (Grades 9-12)	05002G1001	Credit 1.0	FEE: \$30.00
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Prerequisites: Audition required

This class is for the entering student with little or limited previous study and experience. Emphasis is placed on the fundamentals of technique. Dance I students are expected to achieve correct body placement and alignment. They build muscle strength and flexibility as well as increase self-discipline and artistic expression. Students develop professional approaches to rehearsals and performances, and is for students from a novice to proficient level in their dance training. Whether working in groups or as a soloist, students are exposed to a variety of styles, choreographers, repertoire and music. The company offers experience in live performances before audiences, and requires an enhanced consideration of dance as a performing art.

DANCE ENSEMBLE II (ENSEMBLE II) (Grades 9-12)	05002G1002	Credit 1.0	FEE: \$30.00
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Prerequisites: Audition required

Students apply technical foundations of dance to choreographic principles. They learn how to communicate meaning through their movements in dance. They also broaden their dance ability to include complex dance movements while increasing their muscle strength and flexibility. This course helps students to develop professional approaches to rehearsals and performances, and is for students from a proficient to an accomplished level in their dance training. Whether working in groups or as a soloist, students are exposed to a variety of styles, choreographers, repertoire and music. This course offers experience in live performances before audiences, and requires an enhanced consideration of dance as a performing art.

DANCE ENSEMBLE III (ENSEMBLE III), HONORS (Grades 9-12)	05002G1003	Credit 1.0	FEE: \$30.00
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Prerequisites: Audition required

This course extends the student's knowledge of choreographic principles. Students gain the ability to demonstrate multiple dance moves and complex leaps. Students create solo and group performance pieces for the spring recital. This course is for an advanced dance level. The course develops professional approaches to rehearsals and performances, and is for students from an accomplished to an advanced level in their dance training. Whether working in groups or as a soloist, students are exposed to a variety of styles, choreographers, repertoire and music. The company offers experience in live performances before audiences, and requires an enhanced consideration of dance as a performing art.

DANCE-ADVANCED, HONORS (Grade 9-12)	05003G1003	Credit 1.0	FEE: \$30.00
Prerequisites: Audition required			
<p>The fourth-year students of dance are challenged to excel in both grace and physicality. Through practices and performances, the student gains confidence and poise while learning advanced skills. This is an advanced dance level course. Students progress to an advanced capacity for dance literacy that includes creating dance, performing dance, responding to dance and connecting dance with skills across the arts disciplines and other academic areas. Students create a portfolio and capstone project which will include all aspects of dance composition, dance production and dance critique, and illustrates a unique personal voice. The capstone project, influenced by research, will show evidence of excellence in leadership qualities and advanced performance, including production elements that clarify intent.</p>			
INTRO TO CHOREOGRAPHY/DANCE COMPOSITION I (Grades 9-12)	05005G1001	Credit 1.0	FEE: \$30.00
Prerequisites: Audition required			
<p>Following the choreography designed by others, the student begins to create choreographic patterns of his/her own. Beginning with simple, straightforward designs, the student progresses into more complex movements. At each step, he/she directs fellow students in the actual implementation of the patterns. This is a one credit course at the proficient dance level. Students gain a comprehensive understanding of the elements of dance and how those elements communicate ideas, emotions and intent. Students explore and develop the ability to use choreographic devices through improvisation, solving movement problems, and creating movement studies. They obtain an introductory ability to analyze movement for artistic intent, using a knowledge of dance and production elements, genres and style, cultural context and evaluative criteria.</p>			
CHOREOGRAPHY/DANCE COMPOSITION II (Grades 9-12)	05005G1002	Credit 1.0	FEE: \$30.00
Prerequisites: Audition required			
<p>Continuing to develop their skills in choreographing, students learn to match the dance genres with appropriate movements in more complex ways. Students increase their capacity to create dance using multiple coded techniques and a developing personal voice. They are able to manipulate movement choices and choreographic devices to obtain a specific artistic intent. They develop strategies including research to gain source material, document, gain feedback, review and revise choreography in order to refine dance composition. They use critical thinking to evaluate their own choreography as well as that of master choreographers, professional performances and peers.</p>			
CHOREOGRAPHY/DANCE COMPOSITION III, HONORS (Grades 9-12)	05005G1003	Credit 1.0	FEE: \$30.00
Prerequisites: Audition required			
<p>Studying the styles of the masters of choreography, students are challenged to create more intricate movements and to direct their fellow students in the implementation of their ideas. This is a one credit course at the advanced dance level. Students experiment beyond personal movement preferences and strengths to expand movement vocabulary and choreographic devices to establish a unique personal voice. They</p>			

determine a personal preference for a complete original work of choreography by reviewing, evaluating, revising and refining after self-reflection and feedback from others. Students gather a collection of documented work that illustrates a progression of quality using technologies for recording accompanied by written and/or oral evaluations. Students create a capstone project by directing a production of original work, determining production elements, scheduling, programming, publicizing, and collaborating peers and production crews.

DANCE ENSEMBLE (ENSEMBLE, CHOREOGRAPHY, PRODUCTION), HONORS (Grades 9-12)	05009G1003	Credit 1.0	FEE: \$30.00
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Prerequisites: Audition required

Students continue the study of master choreographers and develop more challenging choreography in preparation for performance and implementation in a dance company. This is a one credit course at the advanced dance level. Student serves as production manager for a specific dance production, and is responsible for the coordination of all the technical and logistical aspects of the production. The production manager enables the artistic ideas of the choreographers, within budget, and within the technical boundaries of the performance space. Working with technical designers and crews, the production manager is responsible for maintaining efficient and effective coordination of the technical elements of the production including but not limited to lighting, costumes, scenery, sound, video projection and stage management.

DANCE, Independent Study (Grades 9-12)	05049G1010	Credit 1.0	FEE: None
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Prerequisites: DANCE II OR APPROVAL OF THE INSTRUCTOR

Independent Study courses at the advanced dance arts level are courses designed to refine and demonstrate concepts focused on a specific area of emphasis within dance. These courses are often conducted with instructors or professional artists as mentors. They enable students to collaboratively and independently refine specific work of their choice from the range of forms within dance. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.

Digital Media Major

Courses listed below may be taken to satisfy Arts or Elective credit on an individual basis.

For students wishing to pursue the Fine Arts Distinction, if Digital Media is the Declared study, the following would be the pathway:

Grade 9	Grade 10	Grade 11	Grade 12
Media Productions Foundations (1 Credit)	Broadcasting I (1 credit)	Broadcasting II (1 credit)	CTE Lab in Arts, AV TV, and Comm

MEDIA PRODUCTIONS FOUNDATIONS (Grades 9-12)	11153G1010	Credit: 1	FEE: \$30.00
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Media Production Foundations 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 broadcasting I, broadcasting II, and CTE Lab in Arts, AV TV and Communication. This course replaces Introduction to Television Production. *This course can be used to satisfy the Career Tech Education or Fine Arts requirement.*

BROADCASTING I (Grades 10-12)	11051G1012	Credit: 1	FEE: \$30.00
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Prerequisites: Media Productions Foundations

Broadcasting Production I 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. This course replaces TV Production courses. *This course can be used to satisfy the Career Tech Education or Fine Arts requirement.*

BROADCASTING II (Grades 10-12)	11051G1013	Credit: 1	FEE: \$30.00
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Prerequisites: Media Productions Foundations & Broadcasting I

Broadcasting Production II 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. This course replaces TV Production courses. *This course can be used to satisfy the Career Tech Education or Fine Arts requirement.*

CTE Lab in Arts, AV TV, and Comm (Grades 10-12)	11197G1002	Credit: 1	FEE: \$30.00
Prerequisites: This is the final course in the TV production sequence.			
<p>This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Arts, AV Television, and Communication through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities.</p>			

Orchestra Major

For students wishing to pursue the Fine Arts Distinction, if Orchestra is the Declared study, the following would be the pathway:

Grade 9	Grade 10	Grade 11	Grade 12
Orchestra I	Orchestra II	Orchestra III	Orchestra IV

INTRODUCTION TO ORCHESTRA I (Grades 9-12)	05104G1001	Credit: 1.0	FEE: \$40.00
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Learn to play the violin, viola, cello, or bass! *The orchestra has several instruments available to borrow if needed. We want any student to be able to learn and we know that some of these instruments, particularly bass, and cello, can be expensive! *Please do not purchase on the internet! Rent-to-own is available at local music stores. No prior music experience is needed! Participating in a music ensemble promotes many skills, not only learning to read and play beautiful music but, the following benefits include: • Learning patience and thoughtfulness • Attention to fine details and motor skills • Collaborating with others through active listening • Respect for each other's differences as we all have different roles in the group • Accountability through team work • Performance opportunities promote self confidence. • Orchestra members are highly recruited for job opportunities and collegiate scholarships

ORCHESTRA II (Grades 9-12)	05104G1002	Credit: 1.0	FEE: \$40.00
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Prerequisites: Intro Orchestra I

The Intermediate Orchestra is for students with previous experience playing violin, viola, cello, or bass. Students must either have been a part of a Florence City School Orchestra, an orchestra from a previous school or have been in private lessons. They need to show proficiency in their instrument through completion of Essential Elements book 1. *Students are encouraged to provide an instrument. Please purchase or rent from a local music store. Some instruments can be provided if needed, especially Bass and Cello. For information, please contact Ms. Hunt at kthunt@florencek12.org

ORCHESTRA III (Grades 10-12)	05104G1003	Credit: 1.0	FEE: \$40.00
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Prerequisites: Orchestra II

The Advanced Orchestra is for students with previous experience playing violin, viola, cello, or bass. Students must either have been a part of a Florence City School Orchestra, an orchestra from a previous school or have been in private lessons. They need to show proficiency in their instrument through completion of Essential Elements book 2.

*Students are encouraged to provide an instrument. Please purchase or rent from a local music store. Some instruments can be provided if needed, especially Bass and Cello. For information, please contact Ms. Hunt at kthunt@florencek12.org

ORCHESTRA IV, HONORS (Grade 11-12)	05104G1004	Credit: 1.0	FEE: \$40.00
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Prerequisites: Orchestra III

The Advanced Orchestra is for students with previous experience playing violin, viola, cello, or bass. Students must either have been a part of a Florence City School Orchestra, an orchestra from a previous school or have been in private lessons. They need to show proficiency in their instrument through completion of Essential Elements book 2.

*Students are encouraged to provide an instrument. Please purchase or rent from a local music store. Some instruments can be provided if needed, especially Bass and Cello. For information, please contact Ms. Hunt at kthunt@florencek12.org

Recording Arts

For students wishing to pursue the Fine Arts Distinction, if Recording Arts is the Declared study, the following would be the pathway:~

Grade 9	Grade 10	Grade 11	Grade 12
Vocal or Instrumental I	Vocal or Instrumental II	Vocal or Instrumental III	Vocal or Instrumental Course IV

SINGER/SONGWRITER

SINGER/SONGWRITING I (Grades 9-12)

05119G10S1

Credit: 1.0

FEE: \$40.00

In this course, students will have the opportunity to learn from a professional songwriter about songwriting, music analysis, and basic aspects of arranging, live performance and recording. The course begins with students learning some core fundamentals about music theory, chord progressions, lyric construction and song structure. During this process students begin using their knowledge to write songs that will be revised several times before being performed. As the class progresses, more and more complex concepts are introduced for students to use while writing. In addition to writing, students will also listen to, analyze, and respond to specific songs chosen by class members to teach different aspects of songwriting. It is recommended that students have some previous experience in voice or with at least one musical instrument or previous experience with a digital recording platform before taking this course. Students enrolled in this course enroll for both Fall and Spring.

SINGER/SONGWRITING II (Grades 10-12)

05119G10S2

Credit: 1.0

FEE: \$40.00

Prerequisites: Singer/Songwriting I

Continuing the processes begun in Level I of Singer/Songwriting (brainstorming ideas for songs, expressing ideas in words and music, etc.), the student creates songs that listeners will enjoy and remember.

SINGER/SONGWRITING III, HONORS (Grades 10-12)

05119G10S3

Credit: 1.0

FEE: \$40.00

Prerequisites: Singer/Songwriting II

A continuation of Singer/Songwriter I and II, students continue to develop their skills and expertise. Students enrolled in this course are also enrolled in the Stage Band course in the Spring.

GUITAR

INTRODUCTION TO GUITAR I (Grades 9-12)

(Grades

05108G10G1

Credit: 1.0

FEE: \$30.00

This is a one credit course, novice level designed for beginning music students to experience instrumental music through instruments capable of producing both melody and harmony such as guitar and electric guitar. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody,

harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.

GUITAR II (Grades 9-12)	05108G10G2	Credit: 1.0	FEE: \$30.00
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Prerequisites: Introduction to Guitar I or Approval by Instructor and/or Band Director

This is a one credit course, intermediate level, designed for students with at least one year of experience to experience instrumental music through instruments capable of producing both melody and harmony such as guitar and electric guitar. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.

GUITAR III (Grades 9-12)	05108G10G3	Credit: 1.0	FEE: \$30.00
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Prerequisite: Guitar II or Approval by Instructor

This is a one credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music setting through instruments capable of producing both melody and harmony such as guitar and electric guitar. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.

GUITAR IV, HONORS (Grades 9-12)	05108G10G4	Credit: 1.0	FEE: \$30.00
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Prerequisites: Guitar III or Approval by Instructor

This is a one credit course designed for students with multiple years of high school study to experience instrumental music through instruments capable of producing both melody and harmony such as guitar and electric guitar. This level is designed to extend students' technical skills and artistry and to provide a deeper understanding and appreciation of the study of music. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.

PIANO

PIANO I (Grades 9-12) (Piano I beginning piano)	05107G1001	Credit: 1.0	FEE: \$30.00
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Course designed for the beginning student who may have no experience in music. The course provides for the development of fundamental reading skills, the understanding of rhythmic notation, and piano technique that demonstrates those skills in the performance of instructional literature as well as music that displays musical substance and expression. Elements of popular styles are explored in the second semester.

PIANO II (Grades 9-12) (Piano II continuing fundamentals)	05107G1002	Credit: 1.0	FEE: \$30.00
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Prerequisites: Successful Completion of Piano I and/or Approval by Instructor or Band Director

As a follow-up to Piano I, this course provides the student with opportunities to develop and refine fundamental skills while gaining exposure to expanded and varied literature. As achieving students develop the ability to control more complicated musical textures and rhythmic patterns, performance opportunities can be pursued.

PIANO III (Grades 9-12) (Piano III intermediate to early advanced achievement.)	05107G1003	Credit: 1.0	FEE: \$30.00
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Prerequisites: Successful Completion of Piano II and/or Approval by Instructor or Band Director

For the student who is developing musicianship that has the potential for more serious achievement such as life-long interest in the study of music or in less demanding performance activities. There is a continuing expansion of literature exposure including classical, jazz, or various popular styles that suit students' interests. Performance opportunities are offered in greater numbers and a variety of ensembles.

PIANO IV, HONORS (Grades 9-12) (Piano IV advanced piano.)	05107G1004	Credit: 1.0	FEE: \$30.00
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Prerequisites: Successful Completion of Piano III and/or Approval by Instructor or Band Director

For the student who wants to develop piano skills to a degree that is above average. Exposure to many styles of music through performance and listening. Development of technique that expands the student's capacity for a wide range of expression at the piano. Performance opportunities in a variety of ensemble types.

MUSIC TECHNOLOGY AND PRODUCTION

MUSIC TECHNOLOGY, PRODUCTION TECHNIQUES I (Grades 9-12)	05123G10P1	Credit: 1.0	FEE: \$30.00
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Prerequisites: Approval by instructor

This one-credit course, proficient level, is an exploration and application of recording studio techniques including digital audio workstations, multi-track recording, editing, and sound processing. In addition, the

production ensemble roles of producer, engineer, assistant engineer, and musician will be explored and experienced.

MUSIC TECHNOLOGY, PRODUCTION TECHNIQUES II (Grades 10-12)

05123G10P2

Credit: 1.0

FEE: \$30.00

Prerequisites: Approval by the instructor and successful completion of Music Technology, Production Techniques I

This one-credit course, accomplished level, is designed to extend students technical skills and artistry through exploration and application of recording studio techniques including digital audio workstations, multi-track recording, editing, and sound processing. In addition, the production ensemble roles of producer, engineer, assistant engineer, and musician will be explored and experienced to provide a deeper understanding and appreciation of the study of music.

MUSIC TECHNOLOGY, PRODUCTION TECHNIQUES III, HONORS (Grades 10-12)

05123G10P3

Credit: 1.0

FEE: \$30.00

Prerequisites: Approval by instructor successful completion of Music Technology, Production Techniques II

This one-credit course, advanced level, is designed for students to demonstrate concepts and skills through exploration and application of recording studio techniques including digital audio workstations, multi-track recording, editing, and sound processing. In addition, the production ensemble roles of producer, engineer, assistant engineer, and musician will be explored and experienced equivalent to college-preparatory or honors to reinforce a continued enjoyment of music in a community or professional setting.

MUSIC TECHNOLOGY, ELECTIVE TECHNIQUES I, HONORS (Grades 10-12)

05149G10M1

Credit: 1.0

FEE: \$30.00

Prerequisites: Approval by instructor successful completion of Music Technology, Production Techniques III

This one-credit course, advanced level, is designed for students who have completed all courses in the music technology production pathway. In this course, students will enhance music production skills and prepare a portfolio to demonstrate mastery of content.

Theatre Major

For students wishing to pursue the Fine Arts Distinction, if Theatre is the Declared study, the following two options would be the pathway:

Grade 9	Grade 10	Grade 11	Grade 12
Introduction to Theatre I	Theatre II	Theatre III	Theatre IV

Grade 9	Grade 10	Grade 11	Grade 12
Intro to Technical Theatre	Technical Theatre II	Technical Theatre III	Scenic Design and Construction

INTRODUCTION TO THEATRE I (Grades 9-12)	05052G1001	Credit: 1.0	FEE: \$30.00
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An introduction to theater, this course includes a brief overview of theatrical styles and foundations. Units include pantomime, Reader's Theatre, voice and movement for the actor, improvisation, theater history, monologues, and scene work. Emphasis is on developing interest in theater and on how theater skills may be translated into everyday living skills. This class focuses on the needs of those new to theater, spending time on trust-building and correlation of theater to other applicable contents. *No audition is required.*

THEATRE II (Grades 9-12)	05052G1002	Credit: 1.0	FEE: \$30.00
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Prerequisites: Intro to Theatre or Teacher approval

Layering on the foundations of introduction to theatre, Theatre II is a more in-depth approach to theater that goes into greater detail and builds further on the development of students' interest. The course emphasizes performance and self-evaluation as a performer. Students participate in an end-of-year showcase highlighting their efforts in performance. *Audition is required.*

THEATRE III, HONORS (Grades 9-12)	05052G1003	Credit: 1.0	FEE: \$30.00
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Prerequisites: Theatre II or Teacher approval

This course provides the motivated theater students the opportunity to further develop their talents and techniques needed for a variety of stage performances. Students engage in developing: script analysis, stage monologues, acting methods, scene work, film study, advanced vocal training and movement for the actor, and improvisation. Concentrating on in-depth performance, this is a laboratory course with an emphasis on performing before an audience. Students participate in an end-of-year showcase highlighting their efforts in performance. *Audition is required.*

THEATRE IV, HONORS (ACTING TECHNIQUE) (Grade 12)	05053G1003	Credit: 1.0	FEE: \$30.00
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Prerequisites: Theatre III or Teacher approval





In this course students engage in advanced acting skills and methods while also learning production and directing for the theater. Students are required to audition and participate in the fall one-act play. An emphasis on acting for camera and film rounds out the second semester for the actor. Heavy emphasis is placed on the district and state competitions in various categories that include: duet scenes, monologues, musical theater, pantomime, film, and Reader's Theatre. *Audition is required*

INTRODUCTION TO TECHNICAL THEATRE (Grades 9-12)	05056G1001	Credit: 1.0	FEE: \$20.00
Stagecraft students learn about all the behind-the-scenes activities of theatre such as special effects, set building, lighting, sound, properties, and costuming. Students work on seasonal productions and should expect to get their hands dirty. Students must be willing to work after school on occasion as all students in the course are required to serve as the technical crew for all Florence High School theatrical productions. Students admitted to FAFA are required to work a designated after-school schedule as developed by the instructor.			
TECHNICAL THEATRE II (Grades 10-12)	05056G10T2	Credit: 1.0	FEE: \$20.00
Prerequisites: Technical Theatre I			
Students enrolled in this course concentrate on the elements of technical theatre while learning to work with the advanced elements. Stage lighting of all types, sound equipment, and set construction are components of the course as is the task of assisting professional performers who come to the school.			
TECHNICAL THEATRE III, HONORS (Grades 10-12)	05056G10T3	Credit: 1.0	FEE: \$20.00
Prerequisites: Technical Theatre II			
Students in Stagecraft III are able to work on a near-independent basis on projects that range from complex stage lighting and sound to set design and construction to assist in the wide range of other projects related to stage performances.			
SCENIC DESIGN AND CONSTRUCTION, HONORS (Grade 10-12)	05056G10S3	Credit: 1.0	FEE: \$20.00
Prerequisites: Technical Theatre III			
In this advanced course, the student is able to take a suggestion from the instructor (or to form an idea of his/her own) to create projects that facilitate – even enhance – a stage production. Set design/construction, lighting, and sound are all within the scope of this course.			

OTHER ELECTIVES

A minimum of 2.5 credits earned in the electives category is required for successful Alabama high school graduation. *Electives can be ANY courses listed previously in this guide which are not satisfying a specific graduation requirement.* In addition, any course listed below will also satisfy the electives component of the Alabama High School graduation requirement:

DRIVER EDUCATION (Grades 9-12)	08152G1000	Credit: 0.5	FEE: \$30.00
Pre-requisites: 9 th graders must have Driver Education Permit			
Included in this course are two major experiences leading to driving competence: classroom work and on-the-road driving. Required are 30 hours of classwork and six hours of driving time. To ensure that driving time is not compromised, there is no written examination at the end of the semester.			
Driver Education instructors at Florence High School are certified Third-Party testing agents with the Alabama Department of Transportation. Students with a learners' permit are eligible to be road-tested for full licensure during this class.			
PEER HELPERS (Grades 9-12)	22107X100	Credit: 1.0	FEE: None
In this course, students participate in training and practice related to communication skills, problem-solving techniques, and decision-making strategies to assist with peer tutoring, mentoring, and conflict resolution. Students are assigned to work as tutors and/or mentors in their schools. Students learn group facilitation techniques and public speaking skills. Participation in this course requires a teacher recommendation.			
YEARBOOK PRODUCTION (Grades 9-12)	See below	Credit: 1.0	FEE: None
11101G1013-JOURNALISM I; 11101G1023-JOURNALISM II; 11101G1033-JOURNALISM III; 11149G1001-YEARBOOK			
Prerequisites: Keyboarding skills recommended and Teacher Approval			
Students produce the yearbook. They are given practice in all aspects of the production process, including such things as writing copy, designing the cover and the page layouts, and developing a theme and its related content. As students continue the process of producing the yearbook, they learn such skills as selecting and cropping photographs, selling and designing advertisements, and using the computer to complete it. Learning to meet deadlines is also a valuable part of this course. Students are responsible for designing and selling advertisements as well as for assisting with yearbook sales.			
JOURNALISM (VIRTUAL ONLY)	11101G10001	Credit: 1.0	FEE: None
This virtual course is a one credit elective designed for high school students that includes newspaper study; newspaper production; news information gathering; proofreading; and journalistic writing. <i>This course is NOT NCAA-approved.</i>			

 PSYCHOLOGY (Grades 10 - 12)	04254G1000	Credit: 0.5	FEE: None
Psychology, a study of human behavior, asks students to exchange ideas as well as explore material in books, periodicals and in a wide range of other media. They learn to help each other understand themselves as well as other people. Personality, mental health, emotions, and self-image are only a few of the topics explored. The objective is to help young people become well-adjusted adults.			
 PSYCHOLOGY (Grades 10 - 12) (VIRTUAL ONLY)	04254G1000V	Credit: 0.5	FEE: None
Psychology, a study of human behavior, asks students to exchange ideas as well as explore material in books, periodicals and in a wide range of other media. They learn to help each other understand themselves as well as other people. Personality, mental health, emotions, and self-image are only a few of the topics explored. The objective is to help young people become well-adjusted adults.			
 SOCIOLOGY (Grades 10 - 12)	04258G1000	Credit: 0.5	FEE: None
This course centers around a study of world cultures. Students study the similarities and differences among the people of the world-ranging from primitive tribes to complex societies. A study of subcultures in the United States is also included in this unit. Studies of the American family, along with current social problems, help students become interested in the complex issues in American society.			
 SOCIOLOGY (Grades 10 - 12) (VIRTUAL ONLY)	04258G1000V	Credit: 0.5	FEE: None
This course centers around a study of world cultures. Students study the similarities and differences among the people of the world-ranging from primitive tribes to complex societies. A study of subcultures in the United States is also included in this unit. Studies of the American family, along with current social problems, help students become interested in the complex issues in American society.			
Contemporary World Issues & Civic Engagement (VIRTUAL ONLY)	04064G1000	Credit: 0.5	FEE: None
Current issues from historical and geographical perspectives; knowledge of key contemporary personalities and events that impact lives. <i>This course is NOT NCAA-approved.</i>			
Film (Mass Media) (VIRTUAL ONLY)	11149G1000	Credit: 1.0	FEE: None
This half-year course offered in the fall is designed to introduce the student to the terminology, techniques, styles, and approaches to film study throughout the history of film. This course will focus on encountering film from production to exposition; how to write about films; mise-en-scene—exploring the material world of			

film using props, costumes, and makeup; cinematography; editing; and film sound. A highlight of the course is viewing films from the U.S. and around the world. *This course is NOT NCAA-approved.*



Creative Writing (VIRTUAL ONLY)

01104G0500V

Credit: 0.5

FEE: None

Introduction to Creative Writing is designed for students who wish to develop the skills and tools needed to think and write more creatively. Students will study a variety of genres in order to more effectively write and critique short stories, poems, essays, and plays.

Speech (VIRTUAL ONLY)

01151G1011

Credit: 0.5

FEE: None

This half-year course provides practice and instruction in both public speaking and debate. After completing this course, students will have effective argumentation and advocacy skills to use in a variety of environments from formal debates to casual conversations via virtual platforms.

ADDITIONAL INFORMATION

ADVANCED PLACEMENT (AP), PreAP & HONORS COURSES

PreAP and HONORS COURSES

To help students become accustomed to the more intensive Advanced Placement curriculum, Florence City Schools offers PreAP and Honors courses in multiple subjects beginning in middle school. These courses are designed to prepare students for the rigor and expectations of Advanced Placement courses. Students should consider their prior success in a content area when selecting these courses. Due to increased expectations, grades earned in Honors Courses are weighted for class ranking purposes only as reflected in the overall numerical average.

ADVANCED PLACEMENT

Florence City Schools offer a variety of courses in an Advanced Placement (AP) program. AP (Advanced Placement) courses are college-level courses offered in high school. More time inside and outside of the classroom is required to complete lessons, assignments, and homework. Some classes also have summer reading requirements. Students have access to AP resources for their classes and their exam scores by creating an account at myap.collegeboard.org. Visit ap.collegeboard.org for more information about AP.

Grades earned in AP courses are weighted for class ranking purposes only. The weighted grade becomes part of the class ranking process at the time the grade is earned. Class rankings are provided the summer prior to senior year and are determined within 30 calendar days following the last day of a given semester. Students taking the AP exam are not required to take the 4th nine-weeks benchmark.

AP Exam scores are based on a 5-point scale. A score of 3 or higher on an exam can earn students college credit and/or placement in advanced courses in college (Students must research specific colleges for their AP score requirements).

AP EXAM FEES: For all students who elect to take an Advanced Placement (AP) program are encouraged to take the AP exams which are given the first two weeks of May (with late exams the following week). Students who opt NOT to take the AP exam administered through the College Board will be required to take a comprehensive semester exam*. ***NOTE: There is a fee set by the College Board for each AP exam and this fee (typically ranging from \$98-\$140) is not covered by FHS. The College Board offers need-based fee reductions and FHS will offer scholarship opportunities for students (application required).*** Students who miss tests are required to pay the cost of unused exams and the re-ordering of their make-up exams (This cost is set by College Board and can vary from year to year but typically average around \$140 per test). The College Board, not FHS, determines if excuses for missing initial exams warrant a waived fee. Transportation to the off-campus testing location (to be determined) is not provided.

**refer to Parent-Student Handbook for Exemption Policy*

DUAL ENROLLMENT

Dual enrollment allows high school students to enroll in postsecondary courses while attending high school for the purpose of earning both high school and college credit. Florence High School offers dual enrollment opportunities with multiple universities, including the University of North Alabama, Northwest-Shoals Community College, University of Alabama, and Auburn University. Courses taken for dual enrollment credit must be approved by both the high school counselor or principal and the college/university. Students may choose from a variety of 100 or 200 level courses as long as the course counts for a minimum of three college credit hours.

If a student is enrolled in a collegiate course, final course grades are manually entered on the high school transcript. All dual enrollment courses are given the same GPA weight as an Honors course taken at Florence High School or Florence Freshman Center with the exception of AP courses. Any dual enrollment course taken through an AP course (such as AP Biology or AP US History) is given an AP weight and the AP course is the course listed on the student's high school transcript. *Note: Prices for dual enrollment courses are subject to change based on college or university financial guidelines.*

**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*

For questions concerning
NWSCC Early College contact:
Sharon Sheppard
Early College Counselor
sbsheppard@florencek12.org
256-768-2400

For questions concerning
Dual Enrollment contact:
Lori Lovelace
FHS Dual Enrollment Coordinator
llovelace@florencek12.org
256-768-2260

Associate in Science Career Pathway Degree Options

Program Summary: This dual enrollment program **begins in Grade 9** and consists of students earning an Associate in Science degree while in high school by taking a minimum of 60 college credit hours that also count for high school credit. Each college course equals one hour of high school credit. The college courses selected within this program are basic courses that are requirements for most general studies components for many college majors. This degree is awarded to students planning to transfer to a University program and is designed to meet the requirements of the first two years of a Bachelor of Science Degree while at the same time completing their high school credit requirements. The requirements vary with individual four-year institutions. Students complete courses in both a Traditional or Distance Learning format. NWSCC offers scholarship opportunities. Please see their website or your school counselor for information.



Pathways currently offered include:

- Associate in Science Degree (A.S. Degree)
- Associates in Applied Science Degree -- Medical Assisting Technology
- Practical Nursing Certificate

- Associate of Arts Degree - Elementary Education
- Associates in Occupational Technology Degree -- Welding with a concentration in MSSC Certified Production Technician

Examples of Other Career Technical Dual Programs offered on the NWSCC campus:

- Air-Conditioning/Refrigeration
- Automotive Service Technology
- Automotive Collision Repair
- Carpentry/Cabinet Making
- Computer Information Systems
- Cybersecurity
- Design Engineering Technology

First 30

The First 30 Program is a dual enrollment program whereby students take a minimum of 30 hours of a prescribed selection of college courses that satisfy the academic general studies component of many college majors. Each three-hour college course taken in the program equals one hour of high school credit. Completion of this program curriculum, along with completion of other designated course requirements, allows students to obtain the “First 30 Diploma Distinction”. (See information on Diploma Distinctions). Here is an example First 30 Pathway with NWSCC:

Grade 10	Grade 11	Grade 12
HIS 201/HIS 202 - face to face @ FHS	ENG 101/ENG 102 - face to face @ FHS PSY 200 online in Fall sem ART 100 online in Spring sem	MTH 100/MTH 112 - face to face @ FHS BI0 103 at FHS thru AP Biology face to face @FHS ORI 107 in Fall sem

Northwest-Shoals Community College (NWSCC) Dual Enrollment

The Dual Enrollment for Dual Credit Program (DE/DC) program at Northwest-Shoals Community College allows eligible students to earn both high school and college credit. College courses count toward high school graduation credits, and the courses remain part of a student's regular college transcript. NWSCC offers Academic or Career Technical Courses in a Traditional or Distance Education format. Meet with your high school counselor to select the best option for you. For more information participation requirements, costs, and benefits, please visit <https://www.nwsc.edu/program-of-study/dual-credit-enrollment>

University of North (UNA) Alabama Dual Enrollment

The UNA dual enrollment program offers excellent opportunities for high school sophomores, juniors, and seniors who aspire to earn college credit while still in high school. Students are eligible to take 100-200 level courses. There are a wide variety of courses that are appealing to students' future educational and career interests. UNA offers up to two courses per term for a reduced tuition cost. Courses can be taken online and/ or on UNA’s campus and some students may be eligible to take selected courses on the FHS campus in a face-to-face format. **For more information on requirements, cost, and how to apply, please visit <https://www.una.edu/admissions/early-college.html>**

University of North Alabama Early College Partnership

Benefits for Florence City School Students



- **Dual Credit:** Dual enrollment for dual credit allows eligible students to earn high school credit and college credit simultaneously.
- **Scholarship:** A scholarship of \$1000 (\$500 per semester) if the students complete between 12-16 credit hours with a 3.0-grade point average in the Early College program; or \$1,500 (\$750 per semester) if the student completes at least 17 credit hours (stackable up to the cost of attendance) with a 3.0-grade point average in the Early College program. The student must enroll at UNA during the fall semester following their high school graduation. The scholarship will be awarded on a per-semester basis for one-year only.
- **Honors College:** Early College students who complete a minimum of 12 credit hours and maintain at least a 3.5 UNA GPA may be admitted to the Honors College regardless of high school credentials (ACT/GPA). A separate Honors College application is required. Honors College students receive priority registration.
- **Academic Support:** FCS students will have access to all academic support services available to UNA students. In addition, there will be opportunities to participate in an orientation, seminars, mentoring, workshops, advising, tutoring, and other academic support-related events through UNA. Early College students will have a dedicated academic advisor to assist with course planning and navigation.
- **Student engagement:** Early college students will be presented with the opportunity to attend events on UNA’s campus and be provided a UNA Mane Card.
- **College Readiness Course:** First semester Early College students will be required to take a college readiness course (i.e. UNA 105 - Strategies for College Success - 1 credit hour) that will facilitate a seamless transition from high school to college. The course will include topics such as study skills, time management, career exploration, etc. This course will be offered free of charge and if successfully completed, will substitute for FYE 101 - First-Year Experience (1 credit hour).
- **Fixed-Rate:** UNA agrees to a fixed rate of \$375 per course for up to two courses a semester for a period of 3 years (2021-22, 2022-23, 2023-24) to be evaluated at the end of the contractual period. No online fees will be applied to the Early College course. Costs for course materials, including textbooks and individual course fees (e.g., lab fees), are separate expenses. The following are examples (not actual) of the amount per class (assuming one class equals 3 credit hours) for 100 -200 level undergraduate courses a student might pay:

Undergraduate Hours Student has Enrolled	Early College Cost Per Course	Regular Undergraduate Tuition + Fees
3 credit hours	\$375	\$1,165

- UNA will offer only 100-200 level courses to students in the Early College program.

University of Alabama Early College

Florence City Schools has a Dual Agreement with The University of Alabama. Through The UA Early College program, students can take college courses online or on-campus while still in high school, earning up to 30

credits. High school students who earn 17 college credit hours can be admitted to UA as freshmen without an ACT or SAT score. For more information on requirements, cost, and how to apply, please visit <https://uaearlycollege.ua.edu/>

Auburn First Dual Enrollment

Florence City Schools has a Dual Agreement with Auburn University. Through Auburn's Dual Enrollment program, students have the opportunity to work with the Auburn University faculty and staff who developed Auburn First courses with high school students in mind. For more information on requirements, cost, and how to apply, please visit [Auburn's website](#)

**Concerning Dual Enrollment: Parents/students are responsible for course tuition, fees, and textbooks unless otherwise noted.*

ARTICULATION - CAREER/TECHNICAL EDUCATION

Career/Technical Education has articulation agreements with colleges that allow students to receive college credit for many Career/Technical courses completed in high school. This credit is awarded through a state-wide agreement between postsecondary and secondary educational institutions. The credit is course-specific and is placed on the student's official college transcript. For additional information, contact your counselor.

- Early College students receive a tuition discount on one course per semester. Approx. \$300 + Books for one 3-4 hour course per semester (17-18) (Note: Students in UNA First 30 receive a tuition discount on more than one course taken per semester).
- Students will receive bill information by email through their UNA Portal. Payment deadlines are listed in the Schedule of Classes, which is available online at <http://www.una.edu/registrar/schedule/html>.

CREDIT ADVANCEMENT

Students may choose to take a comprehensive examination on one or more of the following courses and, with 80% mastery on the comprehensive examination(s), not be required to take the course(s):

1. Algebra I
2. American History to 1877
3. American history Since 1877
4. Economics
5. Geometry
6. Government
7. Health
8. Physical Science
9. World History
10. Physical Education
11. Career Prep A
12. Career Prep B

For complete details, see your school counselor.

VIRTUAL HIGH SCHOOL

FLORENCE VIRTUAL SCHOOL



Florence Virtual School is an online, web-based platform for courses, taught by Florence City Schools (FCS) instructors and is available to students in grades 7-12. Because these courses are taught by FCS staff members, students enrolled have immediate access to an instructor on one of the FCS campuses for extended support beyond the typical online classes offered by many school districts.

Courses are web-based which allow for scheduling flexibility for students. Virtual classes can be used to accommodate scheduling needs. For example, a student might take virtual English in order to leave the school campus early to take a dual enrollment class on the campus of a local college or university or to participate in an internship with a local business through the LAUNCH partnership. Students might also take virtual courses to allow for the flexibility to add more classes in the Fine Arts or in a Career and Technical Education field during the school day.

Virtual students must have an aptitude for reading and reading comprehension. Successful virtual students are usually self-motivated and are able to manage their time wisely. Virtual classes can be requested by any student that is in good academic standing and is self-motivated to complete assignments.

Students enrolled in virtual courses will be required to take all exams on campus.

Virtual classes require students to manage their time wisely and be self-motivated. ***Students signing up for virtual courses must have an overall 80 average. Students must have an aptitude for reading and reading comprehension.***

NOTE: For course descriptions, look within the appropriate section of this Guide. All are one-credit courses unless marked otherwise.

Florence Virtual School
Courses (see specific sections of guide for descriptions)

ENGLISH	SOCIAL STUDIES	MATHEMATICS
English 9 01001G10V	World History 04053G10V	Geometry with Data Analysis 02073G10V
English 9, Honors 01001H1000	World History, Honors 04053H1000	Algebra I with Probability 02052G10V
English 10 01002G10V	U.S. History I (To 1877) 04102G10V	Algebra II with Statistics 02056G10V
English 10, Honors 01002H1000	U.S. History I (To 1877), Honors 04102H1000	Applications of Finite Mathematics 02136G1000
English 11 01003G10V	U.S. History II (Since 1877) 04103G10V	Precalculus 02110G10V
English 12 01004G10V	Economics 04201G05V	
	U.S. Government 04151G05V	
SCIENCE	CAREER TECHNICAL EDUCATION	HEALTH & ELECTIVES
Biology 03051G10V	Career Prep A 22153G0512	Health (.05) 08051G050V
Physical Science 03159G10V	Career Prep B 22153G0522	Psychology (0.5) 04254G05V
Environmental Science 03003G10V		Sociology (0.5) 04258G05V
Anatomy and Physiology 03053G10V		Contemporary World Issues (0.5) 04064G0500
Earth Science 03008G10V		Journalism 11101G10V
		Mass Media (Film) 11149G10
		Creative Writing (0.5) 01104G0500
		Beginning Kinesiology (0.5) 08017G05V

ACCESS

Virtual coursework is available at Florence High School through an on-line, web-based Virtual High School. Courses in the core areas (including non-lab science courses) are available online through the state of Alabama ACCESS Distance Learning (Alabama Connecting Classrooms, Educators and Students Statewide). Students are required to have one period in the ACCESS lab while enrolled in one more course through ACCESS. All ACCESS courses and content are subject to rules for Florence High School for scheduling and credits. *Not all ACCESS distance learning courses are NCAA approved. Please see a counselor for information and a complete listing of ACCESS offered courses.*

SUMMER SCHOOL

A tuition-based summer school program is held each year for students who want to take courses to “get ahead” in a particular subject area. A limited selection of courses may be taken for credit advancement. This program features online instruction off-campus through courses offered through Florence Virtual School. Students must test at school with a virtual facilitator in the FHS computer lab. The instruction and assigned work are provided virtually by a highly qualified Florence City Schools teacher. Students should be able to work well independently in order to succeed in this form of instruction. See your counselor for the specific subjects that will be offered. *Not all ACCESS distance learning courses are NCAA approved. Please see a counselor for information.*

MAYMESTER

Maymester is a tuition-based, shortened semester (only 1 month) that takes place in the month of May and helps students earn high school credits. The Maymester option benefits students by lessening course loads during traditional semesters. Maymester features online instruction in which students work through courses offered by Florence Virtual School. The instruction and assigned work are assigned through the internet by a highly qualified Florence City Schools teacher. Students should be able to work well on an independent basis through this form of instruction. Strict deadlines are enforced for adding and dropping Maymester courses. Please see your school Guidance Counselor for information regarding enrollment in Maymester. *These courses are NOT NCAA-approved.*

Maymester courses may include (subject to enrollment demand):

- Health (0.5 credit)
- Career Prep A (0.5 credit)
- Career Prep B (0.5 credit)

CREDIT RECOVERY

Credit Recovery - This opportunity is for a student who has failed a course required for graduation with a final grade of 40% - 59%. The student will be required to attend as per the Summer School Agreement sheet. This program features the computer-based instructional software APEX. When a student has demonstrated proficiency in the previously failed standards, the student will be released from Summer School. Only one course at a time may be attempted. The maximum possible grade in credit recovery classes is 70%.

Total Credit Redo - This opportunity is for a student who has failed a course with a score lower than 40%. The student will be required to attend as per the Summer School Agreement sheet. This program features the computer-based instructional software APEX. When a student has demonstrated proficiency in all state standards associated with a course, the student will be released from Summer School. Only one course at a time may be attempted. The student’s grade is based on mastery of the standards.

ALTERNATIVE EDUCATIONAL PROGRAMS

RESCUE

Reclaiming Every Student by Continuing Unlimited Education (RESCUE) takes place on the Florence High School campus, 3:30 p.m. – 8:00 p.m., Monday through Thursday. It is available to students in grades 9-12 who:

- Are between the ages of 15-19;
- Are beyond the usual age for their grade placement and
- Are behind in the number of credits they should have earned.
- Have life circumstances that prevent attendance during the normal school day as determined by the student, the student’s family, the guidance counselor, and the principal.
- Have been approved by a school administrator.

12 FOR LIFE

This program consists of a unique partnership between the Southwire Company and the Florence City School System. Students are provided a work-based learning opportunity that allows them to earn wages and receive school credit for their work-related experiences. Student participation is determined by recommendations from counselors, teachers, and administrators.

To apply, students must:

- Be at least 16 years of age.
- Complete the Student Application process with their assigned counselor.
- Have a social security card and picture ID.
- Pass drug screening.
- Be referred by an appropriate educator.

LAUNCH

The Launch Career Development Program is designed to serve as a catalyst to “Launch” prospective students into their chosen career path with a proactive approach of creating internship and apprenticeship experiences. Through this “on the job” training, students are able to obtain valuable knowledge related to their specific career interests, showcase their talents and abilities, make vital network connections, and learn how to not only be an employee but also gain understanding in how to elevate performance and become promotable. In addition to the job training component, students complete a developmental skill elevation class directed toward maximizing all employee attributes. The Launch program significantly enhances the participant's resume upon leaving high school, resulting in the student being increasingly marketable and desirable for colleges and potential employers.

To apply students must do the following:

- Be at least 16 years of age.
- Must have transportation.
- Complete a career inventory application.
- Interview with FHS/Launch administrators.
- At least three references from FHS staff members.