



**SHELBY
COUNTY
SCHOOLS
ACADEMIC
GUIDE**

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Instructional Standards and Curriculum

In the State of Alabama, academic standards and their corresponding courses of study are developed by the Alabama State Department of Education. This process occurs in a regular, orderly way in each area of study, and the work includes both local educators and ALSDE personnel. Once these standards and courses of study are reviewed and adopted by the Alabama State Board of Education, it is the responsibility and prerogative of the duly-elected Shelby County Schools Superintendent of Education to adopt curricula and instructional practices that best deliver state standards to our students. The superintendent will ensure that a diligent, equitable, and fair-minded process governs the selection and procurement of instructional materials. The superintendent furthermore retains the right to review and potentially remove any instructional resource that might be deemed objectionable.

Textbooks and Instructional Resources

The acquisition and maintenance of textbooks and other instructional resources are critical tasks in our school district. These materials support and foster quality teaching and greater student achievement. Shelby County Schools takes a thoughtful, diligent approach to evaluating, acquiring, and maintaining instructional materials. Furthermore, our work is informed and guided by state statute and best practices. Instructional resources are reviewed by both central and local school personnel and evaluated for overall quality and appropriateness before any decisions regarding adoption are made. In accordance with state textbook law, Shelby County Schools will conduct this work in an ongoing fashion, emphasizing good judgment and faithful stewardship regarding the acquisition, maintenance, and disposition of all textbooks and instructional materials.

Elementary School

Entry Age

Parents often have questions about enrolling their students in public school for the first time, especially regarding age appropriateness. The following guidelines are offered to help with this important decision:

- First Class Pre-K is a statewide initiative aimed at greater school readiness. These programs are not offered at every school site, and space is limited. There is a lottery system in place for those parents seeking enrollment for their children. To be eligible, students must be four years-old on or before September 1 of the academic year. First priority will be given to students living in the physical zones of our First Class Pre-K programs. For more detailed information, you may explore the following link: [First Class Pre-K](#)
- Kindergarten is offered at all elementary schools in our district, excluding our three intermediate schools which serve only the upper grades. Kindergarten focuses largely on school readiness and the development of the whole child. To be eligible, students must be five years-old on or before September 1 of the academic year.
- First grade is mandatory for school-age children in Alabama. Students who are six years-old on or before December 31 of the academic year may be enrolled in first grade. Please remember that students from 6-17 are required to attend school.

Literacy Act

The *Alabama Literacy Act* was passed in 2019 to foster improved reading among all students in Alabama public schools. Specifically, the goal of the act is that all students read proficiently by the end of the third grade. Strong foundational reading skills are critical at this point because students need them in order to engage and make meaning from print—in all subject areas.

Toward this end, Shelby County Schools has adopted *Open Court Reading* as its comprehensive reading instruction program. This program has been reviewed and approved at both the state and local levels, and we believe it gives our students and their teachers a sound instructional framework rooted in the science of reading.

Students in kindergarten through third grade will have their reading skills assessed three times during the school year. This assessment data will inform and guide instruction while also identifying students who are struggling and may be in need of more intensive support and intervention. Parents will be informed of their child's progress. Our ongoing intervention efforts are informed by and compliant with state guidelines. Beginning with the spring of 2024, the act stipulates that students in the third grade who are not reading proficiently may be retained rather than moving on to the fourth grade.

Promotion and Retention

At the end of each academic year, students will be evaluated and considered for promotion (to the next grade) or retention (remaining in the current grade). This highly individualized review will be conducted by a team of educators at each school site, and parents will be informed and appropriately involved throughout. The school-based team will consider multiple data points (classroom achievement, progress on formative assessments, attendance, etc.) when determining whether a student should be promoted or retained. Please note that it is our desire for all students to make adequate progress each year and move on with their classmates.

As indicated in the previous section, retention in the third grade may be necessary for some students based on the provisions of the *Alabama Literacy Act*. To reiterate, if a student is not reading proficiently at the end of third grade, he or she may be retained based on this factor alone. There are, however, other possible pathways for these students to advance to the fourth grade. Typically, this would involve summer school for struggling students culminating in another opportunity to demonstrate the necessary proficiency. For more detailed information on this subject, you may consult this helpful document from the Alabama Reading Initiative: [2022 Literacy Act FAQs for Families](#).

Numeracy Act

The *Alabama Numeracy Act* was passed in 2022, and implementation of this new initiative is ongoing. This act is designed to meet the foundational math needs of all elementary students in Alabama public schools. Since these skills are critical both for individual opportunity and the overall well-being of our state and its economy, the *Alabama Numeracy Act* proposes a comprehensive framework for improving mathematics achievement in grades K-5. The plan will include math coaches in every elementary school, quality instructional standards and curriculum, training for both teachers and administrators, intensive intervention for struggling students, and accountability to ensure schools and systems are making adequate progress.

Middle School

Transitioning to Middle School Successfully

If the middle school years could be summed up in one word for most students, that word would be CHANGE. Students change dynamically during these years in various ways, just as the school experience itself changes dramatically from the elementary grades to middle school. Several factors are worth considering and discussing relative to this critical transition:

- Students will have several different teachers and will rotate classes;
- Time management, scheduling, and organization become even more important;
- Students may interact with far more students than they did previously;
- Successfully managing interpersonal relationships will be very important;
- Middle school students will be encouraged to advocate for themselves more frequently;
- Learning to express ideas and engage in civil, idea-driven discussion is critical;
- Students will be expected to abide by the district's Code of Conduct;
- Regular attendance greatly improves a student's likelihood of success;
- Informed parental guidance will make the transition to middle school easier.

Our goal is to make sure that the middle school experience is responsive, challenging, empowering, equitable, and engaging for our students. Our teachers and building leaders work hard to create welcoming environments where students are able to explore and grow as learners.

Academic Expectations

The middle school academic experience is characterized by a deeper, more rigorous exploration of various subject areas, both core and elective/exploratory. Cultivating the habits outlined in the previous section will equip students to manage this shift in their learning. Some of the key features related to academic success in middle school are listed below:

- Students will have the opportunity to explore new areas of interest;
- Homework, especially in core areas, will be expected, graded, and meaningful;
- Academic integrity, doing one's own work, is essential and expected;
- Students will likely begin to define areas of strength and areas where growth is needed;
- Learning as an ongoing process, highlighting student growth, should be the standard;
- Students will be expected to demonstrate greater responsibility for their own learning;
- Ongoing, formative assessment should guide and inform instruction;
- Targeted intervention may be required for students who are struggling in a particular area;
- Math, English Language Arts, science, social studies, and physical education are all required each year for middle school students; in addition, elective/exploratory opportunities will be offered to students as well;
- Students should anticipate the introduction of nine-weeks comprehensive exams in core subjects. State assessments such as ACAP will also continue in middle school.

As the level of rigor rises during the middle school years, the development of strong academic habits is more important than ever for student success. Regular attendance, classroom engagement, and the timely completion of assignments are powerful learning tools.

Uniform Grading Plan

One key difference students will notice during middle school is the approach to classroom grading. Because students' grades should reflect academic achievement in the classroom first and foremost, teachers will employ the following categorical grading plan for computing nine-week averages:

- GOLD Grades = Major tests and work products/projects will comprise 60% of a student's grade;
- SILVER Grades = Quizzes and secondary assignments will comprise 30% of a student's grade;
- BRONZE Grades = Homework and minor classroom will comprise 10% of a student's grade.

Semester averages are comprised of the two nine-week averages, each of which accounts for half of the final semester grade. The two semester grades each account for half of the yearly average.

Promotion, Retention, and Standards Recovery

At the end of each academic year, middle school students will be evaluated for promotion or retention. Multiple indicators (classroom grades, formative and summative assessment data, etc.) will be considered by each school leadership team when making these important, highly individualized decisions regarding each student's progress. Students facing possible retention may have the opportunity to pursue standards recovery during the summer. This approach would allow them to address the academic areas in which they need to demonstrate greater progress. You may contact your local school should you have additional questions about this process.

Gifted Services and Challenge Courses

Shelby County School System complies with the guidelines set forth in the "gifted" section of the Alabama State Department of Education's Administrative Code (see 290-8-9-12) for referral, consent, evaluation, eligibility determination, placement and service delivery options, gifted education plan, administration, caseload, and procedural safeguards. Specifically, middle school students identified as gifted are served through advanced course offerings ("challenge" courses) taught by qualified regular or gifted educators who undergo specialized professional development. In addition, these courses may also be available to students who are not currently identified as gifted provided there is available space. Your local school will have more detailed information about this subject and specific course offerings.

Math Options and High School Implications

Mathematics is a core course and required every year for middle school students. In Shelby County Schools, it is our practice to enroll all seventh graders in Accelerated Mathematics 7. Understanding why we do this is critical. If a student completes Accelerated Mathematics 7 and 8, then he or she will be presented with greater freedom and more rigorous options for mathematics study at the high school level. For example, a student who completes Accelerated Mathematics 7 and 8 may choose to pursue the following math track in high school: Geometry, Algebra 2, Pre-Calculus, and (AP) Calculus. Students who do not complete the accelerated math track in middle school, however, will be required to take Algebra 1 following Geometry. Their ability to access certain higher-end math offerings is thereby limited. In addition, a student's access to certain advanced science courses may also be impacted by their math track. Parents can expect to work collaboratively with their school regarding decisions about accelerated math in middle school.

Controversial Texts in the English Language Arts Classroom

Middle school students may encounter works of literature or nonfiction which encourage them to confront unpleasant realities, historical or otherwise. Reading, writing about, and discussing difficult topics may occur in any course but are especially likely in the English Language Arts classroom due to the nature of the subject itself. When this sort of instructional challenge arises, parents and students can expect the following from Shelby County Schools:

- Advance notice of the text(s) to be studied;
- Specific details about potentially objectionable language and/or content;
- Candid rationale as to why the text is important for whole-group study;
- Instructional practices and approaches that reflect awareness and sensitivity;
- Possible alternative texts/assignments.

Shelby County Schools is committed to developing an engaging, inclusive classroom culture by honoring the inherent value and life experiences of all our students.

Academic Writing

Writing is a fundamental skill necessary for developing prepared students and for fostering critical thinking. The following premises should guide writing instruction in our middle schools:

- Students should write often, both formally and informally;
- Teachers and students should discuss and define purposes and expectations for writing;
- Students should be given multiple and varied opportunities to practice and improve;
- Assessment should be focused on authentic growth rather than simple task completion;
- Teacher feedback should be communicated clearly and in a timely fashion.

Academic writing may seem like an intimidating task, but we are committed to equipping students as capable writers for further academic and workplace endeavors.

Athletic Participation

Seventh and eighth grade students may decide to participate on school-based athletics teams. The Alabama High School Athletic Association governs in all matters of athletic eligibility, and some sports will conduct player evaluations as part of selecting a team. Students are encouraged to remember that academic performance may impact their eligibility to participate in school-based sports. For more detailed information on this subject, speak with your local school's athletics director.

Transferring from Non-Traditional Setting

Some middle school students may transfer into the public school setting after having spent previous years in either a home or church school. When such transfers arise, the student evaluation will begin with a complete review of all relevant educational records. School leadership and parents will work collaboratively in determining the most appropriate placement for such students based on factors such as age and demonstrated educational achievement.

Non-Traditional Athletic Students

The Alabama High School Athletic Association (AHSAA) allows non-traditional students to participate in interscholastic contests and practices at the public school that serves the area in which the student's parent or legal guardian resides. Non-traditional students are subject to enrollment and eligibility requirements as determined by Shelby County Schools and the AHSAA. Some of the most critical information for non-traditional athletes enrolled in Shelby County School follows herein:

- Students must be enrolled within the first twenty days of the semester in the school for which they are physically zoned to attend;
- High school students must be enrolled in two courses at the local school, one of which will be an athletics-specific physical education course;
- High school students will be expected to attend their athletics course in person;
- Middle school students must be enrolled in one course taken virtually;
- ACCESS, the state's virtual education option, will be used to deliver elective coursework to non-traditional athletes;
- Students will be expected to come to campus for testing when necessary so that exams in their courses may be properly supervised;
- Non-traditional athletes are expected to abide in the Shelby County Schools Code of Conduct when on campus or participating in any school-sanctioned activity;
- Parents and students are encouraged to familiarize themselves with all eligibility guidelines by visiting the AHSAA website.

For additional information, interested students should contact the school administration at the middle or high school in the zone of residence.

High School

ALABAMA HIGH SCHOOL GRADUATION REQUIREMENTS

Clarified April 2022

(Alabama Administrative Code 290-3-1-02(8) and (8)(a))

Effective for students in the ninth grade in the 2013-2014 school year, all students shall earn the required credits for the Alabama High School Diploma. A local board of education may establish requirements for receipt of diplomas and endorsements, but any diploma or endorsement shall include the requirements of the Alabama High School Diploma. The Alabama courses of study shall be followed in determining minimum required content in each discipline.

COURSE REQUIREMENTS

Four credits to include:		Credits	
English Language Arts	English 9	1	
	English 10	1	
	English 11	1	
	English 12	1	
	English Language Arts-credit eligible options may include: Advanced Placement/International Baccalaureate/postsecondary courses/SDE-approved courses.		
English Language Arts Total Credits		4	
Three credits to include:		Credits	
Mathematics	Algebra I or its equivalent/substitute	1	
	Geometry or its equivalent/substitute	1	
	Algebra II w/Trigonometry or Algebra II, or its equivalent/substitute	1	
	Mathematics-credit eligible options may include: <i>Career and Technical Education/Advanced Placement/International Baccalaureate/postsecondary courses/SDE-approved courses.</i>		
	One credit from:		
<i>Alabama Course of Study: Mathematics</i> or mathematics-credit eligible courses from Career and Technical Education/Advanced Placement/International Baccalaureate/postsecondary courses/SDE-approved courses.		1	
Mathematics Total Credits		4	
Two credits to include:		Credits	
Science	Biology	1	
	A physical science (Chemistry, Physics, Physical Science)	1	
	Science-credit eligible options may include: Advanced Placement/International Baccalaureate/postsecondary courses/SDE-approved courses.		
	Two credits from:		
	<i>Alabama Course of Study: Science</i> or science-credit eligible courses from Career and Technical Education/Advanced Placement/International Baccalaureate/postsecondary courses/SDE-approved courses.		2
Science Total Credits		4	
Four credits to include:		Credits	
Social Studies	World History	1	
	United States History I	1	
	United States History II	1	
	United States Government	0.5	
	Economics	0.5	
	Social Studies-credit eligible options may include: Advanced Placement/International Baccalaureate/postsecondary courses/SDE-approved courses.		
Civics Exam Requirement	Effective with the 2018-2019 school year, students are required to earn a passing score on the <i>Civics Exam</i>		
Social Studies Total Credits		4	
Physical Education	Beginning Kinesiology <u>or</u> Junior Reserve Officers' Training Corps (JROTC)		
Health Education			
Career Preparedness			
Arts Education and/or Career and Technical Education (CTE) and/or World Languages			
Electives			
Total Credits		24	

**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.*

*Students must receive one full year of the Beginning Kinesiology curriculum. Waivers are offered through one year of JROTC, one year of show choir, or two years of marching band.

**Students must receive three full credits of fine art, world languages, and/or career technical coursework. These additional required electives may limit a student's opportunity to retake failed courses during the school year. Therefore, it is recommended that credit for all failed coursework be obtained during summer school each year.

***Beginning with the 2022-23 school year, Career Preparedness (CP) requirements will be met by embedding those standards in U.S. Government and Economics during students' senior year. Students who fail to satisfy CP requirements in that fashion will be enrolled in a full-course version of CP.

****Additional diploma pathways are available for special education students. Eligibility is determined by IEP.

- Students wishing to pursue extended learning opportunities (ELOs) in areas not currently supported at their local school may speak to their counselor about the application process. Importantly, ELOs may not compete with or replace established school-based offerings and programs. For more detail, see *Alabama Administrative Code* Rule 290-3-1.03.
- All high school seniors in Alabama are required to complete a comprehensive civics exam. The purpose of this test is to ensure that all students have foundational knowledge of United States history, government, and geography as well as related civic rights and responsibilities. The test has 100 multiple-choice questions and will be administered during the student's required government class.
- In partnership with the University of Montevallo, Shelby County Schools will offer a DE/DC health offering that fulfills the state requirement while also providing students with one hour of college credit. This partnership begins in the 2023-24 school year and is offered at no cost to students.

Valedictorian and Salutatorian Selection for *Students Entering Grades 9-12*

The Shelby County School district encourages all students to attempt the most challenging coursework available. The following criteria are used in the selection of the Valedictorian, Salutatorian, and Honors Graduates:

- **Valedictorian** – The student at each Shelby County high school who satisfies the requirements for the Advanced Endorsement and who attains the highest cumulative grade point average in his/her graduating class. Students transferring into a Shelby County school during their senior year are not eligible for Valedictorian designation.
- **Salutatorian** – The student with the next highest cumulative grade point average who satisfies the requirements for the Advanced Endorsement.
- **Honors Graduates** – Students who satisfy the requirements for an Alabama High School Diploma or Advanced Endorsement and who also attain a cumulative grade point average of 4.0, or are in the top 5% of the graduating class, which includes the Valedictorian and Salutatorian.

Class rank is determined by ranking each student's overall weighted grade point average within the graduating class. Final senior class ranking is calculated at the end of the first semester of the senior year. Valedictorian and Salutatorian determination will be announced after the posting of first semester grades.

Shelby County Schools Advanced Endorsement Requirements

The following coursework is required to receive the *Shelby County Schools Advanced Endorsement*:

- Chemistry
- World Languages - two years of the same world language
- One-half credit of an approved fine arts
- Minimum of two AP courses with one in a core content or the equivalent (Dual Enrollment/ Dual Credit, or IB)

Grading Plan

Because students' grades should reflect academic achievement in the classroom, classroom teachers will measure academic achievement in a variety of ways over the course of a given grading period. To foster a consistent, equitable method of classroom assessment, Shelby County high school teachers will implement the following categorical grading plan for computing nine week averages:

- GOLD Grades = Major tests and work products/projects will comprise 60% of a student's grade;
- SILVER Grades = Quizzes and secondary assignments will comprise 30% of a student's grade;
- BRONZE Grades = Homework and minor classwork will comprise 10% of a student's grade.

Semester averages will be comprised of two nine week grading periods each accounting for 40% of the final average and a cumulative semester exam accounting for 20% of the final average.

Graduation Credits

Rather than being promoted, high school students progress as credits are accumulated. Grade classifications are determined by the number of credits earned. Credits are awarded each semester. Successful completion of one semester in a given course is equivalent to .5 credit in that course.

- Sophomore = at least six (6) earned credits;
- Junior = at least twelve (12) earned credits;
- Senior = at least eighteen (18) earned credits;
- Twenty-four (24) credits are required for graduation (see page two).

Grade Point Average Calculation

The grade point average (GPA) is computed using the following table:

Regular Courses	Honors Courses	Dual Credit Courses	AP Courses
A = 4.0	A = 4.5	A = 4.5	A = 5.0
B = 3.0	B = 3.5	B = 3.5	B = 4.0
C = 2.0	C = 2.5	C = 2.5	C = 3.0
D = 1.0	D = 1.5	D = 1.5	D = 2.0
F = 0.0	F = 0.0	F = 0.0	F = 0.0

Grade point average and credits for transfer students cannot exceed Shelby County graduation credits and GPA calculation policies.

Shelby County Schools Semester Exam Policy

Because Shelby County Schools believes that students need experience taking summative exams, all of our high schools will administer semester exams to students in all grades, 9-12. Semester exams are cumulative and will comprise 20% of a student's final semester average.

Seniors who earn a final average of 80% or higher in a given course are considered **exempt** from the second-semester exam in that particular course. Seniors taking an AP course and choosing not to sit for the AP exam may also qualify for this exemption if academic requirements are met. Additionally, any senior who earns an approved Alabama State Department of Education College and Career Readiness Indicator (CCRI) will be allowed to exempt one exam during the second semester regardless of his or her average in the course. Finally, local school principals may choose to offer targeted, exam-based incentives as deemed appropriate by the superintendent or his or her designee.

Guidelines for Students Transferring Into Shelby County Schools

Students who transfer to a Shelby County high school from another school must meet the Alabama graduation requirements to receive a diploma from the State of Alabama.

1. Transfer students coming in with Honors, AP/IB, or DE/DC courses:
 - Students receive the weight indicated on the transcript for Honors/AP/IB/DE/DC courses. The transcript is not changed. Credit awarded cannot exceed 1.0 for AP/IB and .5 for Honors.
 - Dual Enrollment/Dual Credit courses will receive an additional .5 GPA weight. Dual Enrollment credit weight cannot exceed .5 per three hour course.
 - Weighted credit of 1.0 will be given for AP/IB courses even if former school did not award additional quality point.
 - If former school did not award additional quality points for Honors courses, no additional quality points will be awarded by Shelby County Schools.
2. Middle school transfer credits from an accredited transfer school will be accepted as they appear on the official transcript and will count towards GPA and graduation credit.
3. Transfers from Non-Accredited Schools (to include home/church/virtual schools)*:
 - The evaluation of any student entering a Shelby County high school from a non-accredited institution shall begin with a thorough review of all available standardized test data. In the absence of a transcript from an accredited school, such data provides an objective snapshot of the student's abilities and achievement. Standardized test data that may be considered include the following: ACT and any of its products, SAT, and any other nationally-normed standardized instrument that may be deemed appropriate;
 - Elective credits (defined as any credits earned in non-core courses) will be accepted without any validation beyond the transcript;
 - Credits earned in core courses shall be validated in the following way(s):
 - ❖ Any student whose standardized test results demonstrate benchmark-level proficiency in a given core area will be awarded credit for courses completed in that subject area. For example, if a student has scored a 19 on the English subtest of the ACT, his or her English credits earned at the non-accredited school will be deemed valid;

- ❖ In the absence of satisfactory standardized test data, students will be required to earn a passing score on targeted exams to demonstrate proficiency in various core academic areas. For example, if a student coming from a non-accredited school has most recently completed Geometry, he or she would be asked to take a cumulative exam provided by the school in which the student wishes to enroll;
- ❖ Whenever possible, the most advanced courses completed in each core academic area will be used to validate the credits earned in the respective natural prerequisites. For example, if a student earns a passing score on a Chemistry exam, then his or her Physical Science credit would also be considered valid without an additional exam because both are physical sciences;
- ❖ When courses in the same academic area are qualitatively different based on standards associated with the subject, additional exams shall be required to validate credits. For example, if a student earns a passing score on a Chemistry exam, his or her credit for that course will be accepted. However, a Biology exam will be required to validate the credit earned for that course because the two courses focus on separate standards. While Chemistry was taken more recently, the additional exam is necessary because the two courses are qualitatively different; one is a physical science while the other is a life science. This may be true of other courses regardless of the grade level taught.

4. Courses Required for Graduation:

There are courses required for graduation in Alabama such as Beginning Kinesiology, two years of U.S. History, and Career Preparedness (standards or full course). Students who transfer must ensure they satisfy these requirements in order to graduate.

***Shelby County Schools are accredited by Cognia, and transfer credits from properly accredited schools will be accepted without further validation. Any school or school setting not accredited by an institutional accrediting agency recognized by the Secretary of the United States Department of Education or other organizations approved by the Alabama State Board of Education shall be considered a non-accredited school for the purpose of transfer of credit. Shelby County Schools follows guidelines set forth in the *Alabama Administration Code* for validating and awarding credit to students coming from a non-accredited school or school setting.**

High School Gifted Education Program

High school students identified for gifted services according to the *Alabama Administrative Code* will be served indirectly in Shelby County Schools. The program goals are as follows:

- The maintenance of each student's gifted identity;
- Meeting students' academic needs through advanced core curriculum course offerings provided by qualified regular or gifted educators;
- Providing counseling services for college and career preparation through the local school guidance department.

Middle School Offerings for High School Credit

Eighth grade students completing Spanish I with a final grade of 70 or above (a minimum of 60 each semester) will receive high school credit.

While middle schools currently use yearly averages, high schools use semester averages. Therefore, a student's transcript will be recalculated to reflect a semester grade. Semester grades are a simple average of the two grading periods within a given term.

An exception is made for transfer students who transfer with high school credit earned during middle school.

Summer Reading

Understanding that reading is absolutely foundational to all educational endeavors and pursuits, our system fully endorses and encourages the practice of assigned summer reading for high school students. Each school will exercise a certain degree of autonomy in formulating its summer reading plan; however, certain essential features will be true of every school's approach:

- Students at each grade level will be offered a common list of works from which they will choose one or more texts (depending on local requirements).
- The element of choice and the ability to self-select from a prescribed list should enable students to find an appropriate text which appeals to them.
- English teachers will discuss the book choices with their students before summer break in order to help students make informed choices as to which works they will read.
- Every effort will be made to include engaging texts which possess instructional value and literary merit.
- When students return to school in August, they should expect that their English teachers will use summer reading to foster student discussion, diagnostic writing, and connections to informational texts.

In an increasingly graphic, image-driven culture, we believe summer reading provides fertile, common ground from which to begin the academic year and contributes to the ongoing development of the whole child.

(Note: All AP courses are exempt and separate from the summer reading guidelines outlined above. AP teachers will communicate summer work requirements to their students prior to summer break.)

Controversial Texts in the English Language Arts Classroom

High school students may encounter works of literature or nonfiction which make them confront certain unpleasant realities, historical or otherwise. Reading, writing about, and discussing controversial topics may occur in any course but are especially likely in the English Language Arts classroom due to the nature of the subject itself. When this sort of instructional challenge arises, parents and students can expect the following from Shelby County Schools:

- Advance notice of the text(s) to be studied;
- Specific details about potentially objectionable language and/or content;
- Candid rationale as to why the text is important for whole-group study;
- Instructional practices and approaches that reflect awareness and sensitivity;
- Possible alternative texts/assignments.

Shelby County Schools is committed to developing an engaging, inclusive classroom culture by honoring the inherent value and life experiences of all our students.

Writing Practices in Shelby County Schools

Shelby County Schools believes that writing is a fundamental skill necessary for developing truly prepared students and for fostering critical thinking skills. While recognizing that both the teaching of writing and the practice of writing may employ multiple approaches, the system firmly endorses the following uniform premises and strongly encourages their implementation in every school:

- Routine practice using both formal and informal writing is necessary to a student's developing skills as a learner.
- Teachers and students should discuss and differentiate among the diverse purposes and expectations of writing in each specific content area.
- Students should be offered multiple and varied opportunities to practice and hone their skills as a writer in every subject area, every year.
- Teachers should strive to create a classroom environment which values students' growth rather than simple task completion.
- A teacher's expectations accompanied with teacher feedback for writing assessments should be communicated clearly to students.

Although a seemingly daunting task, Shelby County Schools is committed to equipping students as writers for further academic or workplace endeavors.

Dual Enrollment and Dual Enrollment/Dual Credit

The Alabama State Board of Education has authorized the establishment of dual enrollment programs between public colleges and universities and local boards of education.

The following dual enrollment options may be offered:

- Dual enrollment (DE) is available to students who would like to earn college credit. DE students may take college courses and will receive college credit hours for all coursework. DE students' courses and grades will not be reflected on the high school transcript.
- Dual enrollment/dual credit (DE/DC) is available to students who would like to earn both high school and college credits for the same course. DE/DC credit courses will be added to the high school transcript and will be calculated into the GPA.

Shelby County Schools currently has a dual enrollment/dual credit agreement with the following colleges and universities:

- Auburn University
- Auburn University in Montgomery
- Central Alabama Community College
- Jefferson State Community College
- Lawson State Community College
- The University of Alabama
- University of Alabama at Birmingham
- University of Montevallo
- University of North Alabama
- Wallace State Community College

DE/DC coursework, assessment, and grading are consistent with college level instruction.

Students participating in DE/DC courses are required to follow college procedures and complete required college forms and applications.

Students participating in DE/DC courses are required to adhere to Shelby County Board of Education's Student Code of Conduct and Attendance.

Students interested in participating in DE/DC must meet the criteria, and the student and his/her parent/guardian must complete and sign the required forms for participation.

Shelby County Schools Dual Enrollment – Dual Enrollment/Dual Credit Requirements

A student is eligible for Dual Enrollment or Dual Enrollment/Dual Credit in the Shelby County School System, if the student meets the following criteria:

1. The student must meet and maintain the entrance requirements and prerequisites for admission established by the post-secondary school.
2. The student must satisfy both GPA and any other admission standards required by the sponsoring college or university.
3. The student must coordinate all Dual Enrollment/Dual Credit coursework with his or her counselor. Additionally, all required paperwork must be completed and signed in a timely fashion. Forms may be found in the counselor's office.
4. Students may earn DE/DC credit during the school year (on- or off-campus) or during the summer. In either case, advance coordination with a school counselor is required. For students who pursue DE/DC aggressively, scheduling accommodations may be necessary.

Students who aggressively pursue Dual Enrollment/Dual Credit opportunities may in some cases find themselves presented with the opportunity to complete all necessary high school graduation requirements in less than four full years (eight semesters). In such cases, those students who wish to pursue early graduation must work with their counselors in advance to indicate their intention and discuss their plan for finishing early. This is best done during the course selection process in the year prior to the student's anticipated early graduation. In such cases, students and their parents will be required to complete and submit a signed document indicating their intent to graduate early. Counselors and administrators will oversee this process at each high school. Students who graduate early are not eligible for valedictorian or salutatorian honors, but they are invited to attend regular graduation observances in May of their senior year.

5. When choosing college coursework for DE/DC purposes, students must be selective and thoroughly informed to ensure that they are not duplicating the content and standards of a course they have already taken for credit in high school. For example, a student who has completed AP U.S. History may take an introductory college course covering the same content and standards, but he or she should NOT expect high school credit for the course since credit in that very specific area has already been awarded previously. Discuss this issue with your school counselor if you need more guidance.
6. Any approved Dual Enrollment/Dual Credit course, whether core or elective, will receive an additional .5 quality point adjustment and will be calculated into high school cumulative GPA.
7. Three credit hours at the postsecondary level shall equal a 1.0 credit at the high school level.

8. Payment of the current rate of tuition and fees per credit hour, books, transportation, and equipment will be the responsibility of the student.
9. The student must notify the school counselor of any changes to his/her DE/DC schedule, including any decisions to withdraw from a DE/DC course during the semester.
10. For more information regarding DE/DC options, see your school counselor.

Advanced Placement Program Guidelines

The Advanced Placement Program (AP) is an academic program of college-level courses and examinations for high school students. Students enrolled in AP courses may take the College Board AP Exam and have an opportunity to earn college credit based on accepted exam scores. Participation in Advanced Placement courses also offers a competitive advantage in college admissions. All students enrolled in Advanced Placement courses are strongly encouraged to take the AP Exam.

The Advanced Placement curriculum offers a variety of courses allowing students to take advanced classes based on their areas of interest. AP courses require students to use advanced research and communication skills as they exercise their creative, problem-solving, and analytical acumen. College readiness is fostered as students develop various academic habits in response to the accelerated rigor and pace.

Considerations and Necessities

1. Review your transcript for prerequisite courses as specified in the academic guide;
2. Value academic achievement and rigor as evidenced by your GPA;
3. Possess good study habits, strong motivation, and above-average reading and writing skills;
4. Be prepared to complete summer reading and assignments;
5. Discuss your AP decisions with your parent or guardian;
6. Sign an AP agreement outlining expectations.

Grading

For students enrolled in an AP course, weighted GPA is awarded at the end of each semester:

A = 5 points	D = 2 points
B = 4 points	F = 0 points
C = 3 points	

The grading policies for individual AP courses will be distributed during the first week of school.

Academic Integrity

The nature of AP work often requires that students complete graded assignments outside of class. Students are expected to complete their own work (assignments and homework included) without the assistance of others unless the instructor specifically allows collaboration.

Parent/Teacher/Student Expectations

AP classes are college-level courses; as such, students are expected to be responsible for their own behavior, assignments, and relationships. Parents are welcome to conference with AP teachers, but students are expected to use this opportunity to develop the independence needed in the college setting they will soon encounter. The goal of all AP classes is to give students the opportunity to develop the academic and personal skills needed for success in high school and college. Parents need to encourage their children to plan their schedules wisely so that they do not take an excessive number of AP courses during any one year.

Exam Policy for Advanced Placement Courses

- Students are strongly encouraged to take the AP exam in May for each AP course in which they are enrolled or completed earlier in the year.
- Students in certain AP courses may be REQUIRED to take the AP exam or complete summative portfolios or projects (this information will be made available during course selection).
- The College Board's AP exam schedule will be made available at the beginning of the school year; the AP exam schedule is also on the school system's website. It is the student's responsibility to plan his or her schedule to avoid conflicts.
- Exam fees are the responsibility of the parent or guardian and are due by October 1st.
- Students who opt to not take an AP exam in a given course will complete an end-of-course final examination which will comprise twenty percent of their second semester grade; the current exam exemption policy for second-semester seniors also applies to AP courses.

AP Program Agreement

Students (and their parents/guardians) who wish to enroll in AP coursework must complete, sign, and submit the AP program agreement found here:

<https://forms.gle/TL2nSW4x3yxPZBcu5>

Virtual Shelby County

Remote Learning in Shelby County Schools

Overview

In accordance with state law, Shelby County Schools will offer a virtual option for students in grades 9 - 12. Course options for Virtual Shelby will be based on Alabama state standards. Options will be limited as compared to those offered in the traditional setting; however, the courses will provide a pathway to the state-approved high school diploma. High school students participating in Virtual Shelby will have the option to attend the Career Technical Education Center (CTEC) in the traditional format.

Admission Requirements

Students who wish to participate in Virtual Shelby must meet the following criteria:

Rising 9th Graders:

- Cumulative 80 average;
- No failed courses;
- Full-year commitment to the Virtual Shelby remote learning format;
- Signed parent agreement and orientation;
- Transportation to attend in person for mandatory state assessments when required.

Rising 10th - 12th Graders:

- Cumulative 2.5 or greater GPA at year-end;
- No credit deficiencies in required courses;
- On-track to graduate with their academic cohort;
- Full-year commitment to the Virtual Shelby remote learning format;
- Signed parent agreement and orientation;
- Transportation to attend in person for mandatory state assessments when required.

Virtual Instruction

Certified teachers from Shelby County Schools and/or ACCESS will serve as the designated virtual teachers using a virtual platform to provide content. Content will be released quarterly, and virtual students will be expected to progress through their courses independently. Students will be expected to engage with their content teachers during the school day as scheduled and directed. Teachers will monitor student progress, clarify instructional content, and conference with students. Students seeking NCAA eligibility should talk with a counselor or speak directly with the NCAA Clearinghouse. Students on individualized learning plans (i.e., 504, IEP, LEP, GEP) will receive support and accommodations as stipulated in the student's plan.

Grading, Assessment, and Attendance

For virtual learners, adequate academic progress constitutes attendance. Adequate progress may be defined in the following specific terms:

- Maintain an actual grade above 60% for each course;
- Be no more than 5% below the target completion for each course;
- Work actively in each course on a weekly basis.

Failure to make adequate academic progress may result in required intervention or even a mandatory return to the traditional setting. Virtual learners are also expected to complete their own work without undue help from any other person. Giving or receiving inappropriate help constitutes academic misconduct and will be addressed accordingly. Virtual Shelby students enrolled in the system's proprietary virtual provider (such as Edgenuity) will be graded on the same scale as traditional students and according to the system's categorical grading plan defined elsewhere in this document. Students participating in state-sponsored ACCESS courses will follow the grading guidelines set forth by the teachers of record for those classes. All students are expected to participate in state assessments.

Extracurricular Participation

Athletic eligibility for virtual learners will be determined just as it is for traditional students. Residency requirements and adequate academic progress both impact eligibility for all students who wish to participate in school-sanctioned sports. Virtual learners will be allowed to participate in clubs and other activities before and/or after school hours as determined by the local school and its programs. They will not be allowed to come to campus during the school day without the express permission of the building principal.

Virtual Shelby Agreement

Students (and their parents/guardians) who wish to enroll in Virtual Shelby must complete, sign, and submit the program agreement found here:

<https://forms.gle/xYv4XbvTey3FS5Wo6>

Credit Recovery and Summer School

Credit Recovery

Credit Recovery during the academic school year is intended for seniors and select freshmen. Sophomores, juniors, and most freshmen are expected to attend summer school for failed courses. As an initial guideline, a maximum of one (1) credit per academic year may be earned through Credit Recovery during a student's academic career.

Summer School

Shelby County Schools will provide a summer school option aimed primarily at recovering skills, standards, and/or credits for students who have failed to make adequate progress during the academic year. Summer school decisions will be made on an annual basis and predicated on the needs of students throughout our district.

Non-Traditional Athletic Students

The Alabama High School Athletic Association (AHSAA) allows non-traditional students to participate in interscholastic contests and practices at the public school that serves the area in which the student's parent or legal guardian resides. Non-traditional students are subject to enrollment and eligibility requirements as determined by Shelby County Schools and the AHSAA. Some of the most critical information for non-traditional athletes enrolled in Shelby County School follows herein:

- Students must be enrolled within the first twenty days of the semester in the school for which they are physically zoned to attend;
- High school students must be enrolled in two courses at the local school, one of which will be an athletics-specific physical education course;
- High school students will be expected to attend their athletics course in person;
- Middle school students must be enrolled in one course taken virtually;
- ACCESS, the state's virtual education option, will be used to deliver elective coursework to non-traditional athletes;
- Students will be expected to come to campus for testing when necessary so that exams in their courses may be properly supervised;
- Non-traditional athletes are expected to abide in the Shelby County Schools Code of Conduct when on campus or participating in any school-sanctioned activity;
- Parents and students are encouraged to familiarize themselves with all eligibility guidelines by visiting the AHSAA website.

For additional information, interested students should contact the school administration at the middle or high school in the zone of residence.

NCAA Division I, II and III Eligibility

Each high school maintains a current list of NCAA core courses on the individual school's NCAA High School Portal. Students who plan to pursue athletic eligibility after high school should register with the NCAA Clearinghouse by creating an account at www.eligibilitycenter.org. Additional information regarding specific eligibility requirements can be found online at www.ncaa.org/studentfaq. To learn more about different NCAA Divisions, visit www.ncaa.org/divisions. Counselors and coaches may also provide assistance with course selection and eligibility questions. Eligibility for collegiate athletics including appropriate course selection, GPA and admissions tests requirements, and NCAA Clearinghouse registration is the responsibility of the student and his/her parents.

High School Course Listings/Descriptions

All courses are not offered at all schools. If a course in which you are interested is not offered at your school, contact your school counselor to pursue virtual coursework.

English/Language Arts

English courses offered by the high schools of Shelby County have been developed to meet the needs and interests of all students and include the content standards from the Alabama College and Career Readiness Standards for English and Language Arts. Different levels of English are offered, and placement in these levels is the responsibility of the school. In the four units of English required, the students will be involved in the study and practice of writing/composition, reading, listening, speaking, viewing, and presenting. Emphasis will be on demonstration of language and reading skills as presented in the writing of sentences, paragraphs, and other types of composition. Students will conduct individual research using all aspects of the research process. An effective blend of literature and writing will be included. Vocabulary gained through reading and word study will be incorporated into the compositions required. **Some courses have a summer reading requirement for students prior to the beginning of that particular course.** Understanding that reading is absolutely foundational to all educational endeavors and pursuits, our system fully endorses and encourages the practice of assigned summer reading for secondary students. Parents and students should check with each school to secure this reading list. See page 10 for additional information.

Course Name	Length/Credit/Fee
English 9	2 terms/1 credit Grade: 9 Fee: No
<i>English 9 develops student competency in English usage and mechanics. Oral and written communication is developed through the reading of classical and contemporary literature. Basic grammar skills are practiced in student writings. Students utilize analytical and critical thinking skills while examining the various literary forms. The course is appropriate for students considering all types of post-secondary education and for students planning to enter the work force immediately after high school. Students receive at this grade level a thorough unit on library and research skills which will be needed at the next level.</i>	
Pre-AP English 1	2 terms/1 credit Grade: 9 Fee: No
<i>Pre-AP English 1 focuses on reading, writing, and language skills that are relevant to students' current work and essential for students' future high school and college coursework. Texts take center stage, preparing students for close, critical reading and analytical writing. The course trains readers to observe small details in a text to arrive at a deeper understanding of the whole. It also trains writers to create complex sentences—building this foundational skill en route to sophisticated, longer-form analyses.</i>	
English 10	2 terms/1 credit Grade: 10 Fee: No
Prerequisite: Successful Completion of English 9	
<i>This course is appropriate for students considering all types of post-secondary education and for students planning to enter the work force immediately after high school. Students will study all the content standards in the Course of Study and will read supplementary selections. This course will give a comprehensive study of world literature, early American literature, and English grammar through traditional and contemporary selections.</i>	
Pre-AP English 2	2 terms/1 credit Grade: 10 Fee: No
<i>Pre-AP English 2 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.</i>	

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Course Name	Length/Credit/Fee
English 11	2 terms/1 credit Grade: 11 Fee: No
<i>Prerequisite: Successful Completion of English 10</i>	
<i>This course is appropriate for students considering all types of post-secondary education and for students planning to enter the work force immediately after high school. This course focuses on developing reading, writing, comprehension and critical thinking skills. Literature covers a survey of American works from 1900 to the present. Students will be required to complete a research paper.</i>	
English 11, AP Language and Composition	2 terms/1 credit Grade: 11 Fee: Yes
<i>Prerequisite: English 10 Honors</i>	<i>AP Exam: \$94 approx.</i>
<i>This course is designed to help students become skilled readers of prose written in a variety of periods, disciplines and rhetorical contexts and to become skilled writers who can compose for a variety of purposes. By their writing and reading in this course, students should become aware of the interactions among a writer's purposes, audience expectations and subjects, as well as the way generic conventions and the resources of language contribute to effective writing. Prior summer reading is a requirement for this course.</i>	
English 12	2 terms/1 credit Grade: 12 Fee: No
<i>Prerequisite: Successful Completion of English 11</i>	
<i>While this course is appropriate for students considering all types of post-secondary education, it is especially aimed towards students planning to enter the work force immediately after high school. English 12 combines the study of British literature and communication in the workplace. Students survey British authors and works of these literary types: short story, novel, poetry, drama and essay. Students are required to complete a research project and will review skills necessary for success on scholastic aptitude tests and post-secondary admission tests.</i>	
English 12, AP Literature and Composition	2 terms/1 credit Grade: 12 Fee: Yes
<i>Prerequisite: English 11 Honors</i>	<i>AP Exam: \$94 approx.</i>
<i>Advanced Placement English affords high school students the opportunity to replace college freshman English courses. Extensive reading is required as well as a variety of writing assignments throughout the course. Literary studies include classical and contemporary works from Europe, Great Britain and the United States. Students read extensively for written and verbal analysis. The workload in this course requires students to work at an accelerated pace. Prior summer reading is a requirement for this course.</i>	
ENG 101: English Composition I	1 term/½ credit Grades: 11-12 Fee: No
<i>English Composition I provides instruction and practice in the writing of at least six (6) extended compositions and the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. This course may contain additional literature requirements.</i>	
ENG 102: English Composition II	1 term/½ credit Grades: 11-12 Fee: No
<i>English Composition II provides instruction and practice in the writing of six (6) formal, analytical essays, at least one of which is a research project using outside sources and/or references effectively and legally. Additionally, English Composition II provides instruction in the development of analytical and critical reading skills in the composition process. This course may contain additional literature requirements.</i>	
Mythology Literature	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>This course introduces students to the mythology and fables in Greece, Rome, Egypt, Mesopotamia, China, Japan and India.</i>	

Course Name	Length/Credit/Fee
Creative Writing I	2 terms/1 credit Grades: 10-12 Fee: Yes
<i>Prerequisite: Grade A/B in English/Teacher Approval</i>	
<i>This course provides students opportunities to write creative, original works of prose, poetry and drama. Students will learn to critically evaluate their own work and the works of others. Students may submit their works for publication and competitions.</i>	
Creative Writing II	2 terms/1 credit Grades: 10-12 Fee: Yes
<i>Prerequisite: Creative Writing I</i>	
<i>This course is designed to enhance students' abilities in critical reading and analysis. Students are encouraged to enter writing contests, to submit original works for publications and competition, and to complete novels or other lengthy works.</i>	
Southern Literature	2 terms/1 credit Grades: 10-12 Fee: Yes
<i>This elective course focuses on works by renowned Southern writers since the early 1800s. Students will examine the South's literary heritage through the study of poetry, fiction, non-fiction and drama. The course identifies major sources and themes of nineteenth and twentieth century writers as well as contemporary authors and how their works have contributed to society from a historical, political and social perspective. Students will recognize the contribution of Southern writers to American literature and recognize that Southern writing is an expression of a particular place, which achieves universality. Group discussions, readings, presentations and writing experiences are suggested for the course.</i>	
Shakespearean Literature	2 terms/1 credit Grades: 10-12 Fee: Yes
<i>Students study and analyze the works of William Shakespeare including comedies, tragedies, histories and play analysis.</i>	
Library Science	2 terms/1 credit Grades: 9-12 Fee: No
<i>Prerequisite: Library Media Specialist Approval</i>	
<i>Students learn library skills including automation systems, basic cataloging skills, Alabama Virtual Library use, Internet searching and analyzing, electronic resources, Dewey decimal system, audiovisual, citation methods and bibliographies.</i>	
Journalism I	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>This course is designed to give students exposure to journalistic concepts. These concepts include the study and practice of skills necessary for writing news articles, features, editorials, sports articles and layout.</i>	
Journalism II	2 terms/1 credit Grades: 10-12 Fee: Yes
<i>Prerequisite: Journalism I</i>	
<i>This journalism course incorporates language arts and graphic skills with such practical skills as word processing, record keeping, and business management as it relates to newspaper careers.</i>	
Journalism III	2 terms/1 credit Grades: 10-12 Fee: Yes
<i>Prerequisite: Journalism II</i>	
<i>Students taking this course have the responsibilities in the areas of theme selection, basic layout design, writing techniques, captions, headlines, type-fitting, cropping pictures and preparation for printing. Students will gain journalistic skills in photography, sales techniques and organization.</i>	
Journalism IV	2 terms/1 credit Grades: 11-12 Fee: Yes
<i>Prerequisite: Journalism III</i>	
<i>This course is designed for those students seeking a career in journalism. Students gain an advanced understanding of school newspaper management including layout, editing, publishing, proofreading and finance.</i>	

Course Name	Length/Credit/Fee
Newspaper	2 terms/1 credit Grades: 10-12 Fee: Yes
<i>Newspaper journalism incorporates language arts and graphic skills with such practical skills as word processing, record keeping and business management. This course assumes the responsibility of compiling the school's newspaper. Students are given instruction in the following: the freedom and responsibility of the press; interviewing; understanding and gathering news; writing news and feature stories, editorials and headlines; photojournalism; typography; and advertising sales and design.</i>	
Yearbook I	2 terms/1 credit Grades: 10-12 Fee: No
<i>This course assumes the responsibility of compiling and designing the school's yearbook. Continued emphasis is placed on the production of a quality yearbook. Staff responsibilities include financing, publication costs through the sale of advertisements and yearbooks. Emphasis is placed both on the production of a quality yearbook and the development of student responsibility and leadership.</i>	
Yearbook II	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: Yearbook I	
<i>Students continue with the responsibility of compiling and designing the school's yearbook. Continued emphasis is placed on the production of a quality yearbook. Staff responsibilities include financing publication cost through the sale of advertisements and books. In accomplishing the ultimate goal of producing a quality yearbook, students who are part of the organization gain journalistic training and skills in photography, sales techniques and organizing materials.</i>	
Literary Magazine	2 terms/1 credit Grades: 9-12 Fee: Yes
Prerequisite: Creative Writing and Application	
<i>Students produce the school's literary magazine which is composed entirely of students' creative works. The magazine is produced using the latest in design software, computer technology and digital reproduction of artwork and photographs. Students will study these cutting edge techniques of magazine layout and design along with the creative components of the literary magazine including fiction, nonfiction, poetry, artwork and photography.</i>	
Broadcast Journalism I	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: Journalism Plus Application and Audition	
<i>This course exposes students to the basics of producing a broadcast. Students learn the skills necessary for success in this profession including listening, analyzing, writing and discussing television stories.</i>	

English as a Second Language (ESL)

Course Name	Length/Credit/Fee
English for Speakers of Other Languages	2 terms/1 credit Grades: 9-12 Fee: No
<i>The English as a Second Language program is designed for students who have limited English proficiency as determined by the ACCESS for ELLS or MODEL assessment, and the decision of the ESL committee. Students will focus on the development of listening, speaking, reading and writing skills in English while mastering the content standards in the Alabama English Language Acquisition Standards.</i>	

Speech/Debate

The speech and debate curriculum will provide opportunities for students to strengthen fundamental listening and speaking skills. Research and organization skills will be required as students present informative and accurate presentations through prose, poetry, oratory, dramatic interpretation, humorous interpretation, extemporaneous speaking, and participate in all types of debate.

Course Name	Length/Credit/Fee
Public Speaking	2 terms/1 credit Grades: 9-12 Fee: No
<i>This course provides instruction and experience in preparation and delivery of speeches within a public setting and group discussion. Emphasis is on research, preparation, delivery, and evaluation of informative, persuasive, and special occasion public speaking. Upon completion, students should be able to prepare and deliver well-organized speeches.</i>	
Speech I	2 terms/1 credit Grades: 9-12 Fee: No
<i>This course allows students to explore the many areas of speech communication to improve speaking and listening skills, and to build self-confidence through participation in oral communication activities. Studies include public speaking, storytelling, parliamentary procedure, oral interpretation, theater, and mass communication.</i>	
Speech II	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: Speech I	
<i>This course is designed to build upon those skills learned in Speech I. Students will participate in in-depth studies of various types of communications that affect the individuals in their relationships with themselves and with others.</i>	
Debate	2 terms/1 credit Grades: 9-12 Fee: Yes
Prerequisite: Application	
<i>This course offers students opportunities to learn and refine skills for interscholastic debate and individual events competition. Communication skills are taught and practiced so that each student may perform at his/her highest skill level. Students will be encouraged to participate in interscholastic debate contests.</i>	

Mathematics

The courses offered by the high schools of Shelby County have been developed to meet the needs and interests of all students and include the content standards from the Alabama College and Career Readiness Standards. Whether planning to pursue postsecondary education or to enter the workforce, all Alabama students must earn four credits in high school mathematics. Some students who strive to complete the entire mathematics sequence through Calculus should have successfully completed both Accelerated Math 7 and Accelerated Math 8 in order to satisfy Algebra I with Probability standards.

Recommended Course Sequence for Math **All students must complete four (4) mathematics credits.**

Below are the options by which a student can earn the four credits in mathematics for graduation.

OPTION 1	OPTION 2*
<i>9th – Geometry with Data Analysis</i>	<i>9th – Geometry with Data Analysis / Pre-AP Geometry with Statistics</i>
<i>10th – Algebra 1 with Probability</i>	<i>10th – Algebra 2 with Statistics / Pre-AP Algebra 2</i>
<i>11th – Algebra 2 with Statistics</i>	<i>11th – Pre-Calculus, AP Pre-Calculus, Mathematical Modeling, Applications of Finite Math, AP Computer Science, AP Statistics or Approved CTE Math Course</i>
<i>12th – Pre-Calculus, Mathematical Modeling, Applications of Finite Math or Approved CTE Math Course</i>	<i>12th – Pre-Calculus, AP Pre-Calculus, Calculus, AP Calculus, Mathematical Modeling, Applications of Finite Math, AP Computer Science, AP Statistics or Approved CTE Math Course</i>

***Recommended pathway for students who have successfully completed both Accelerated Math 7 and Accelerated Math 8 in order to satisfy Algebra 1 with Probability standards.**

Course Name	Length/Credit/Fee
Geometry with Data Analysis	2 terms/1 credit Grade: 9-11 Fee: No
<i>Prerequisite: 8th Grade Mathematics (Regular or Accelerated)</i>	
<i>In Geometry with Data Analysis, students incorporate knowledge and skills in Geometry and Measurement, Algebra and Functions, and Data Analysis, Statistics, and Probability, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study.</i>	
Pre-AP Geometry with Statistics	2 terms/1 credit Grade: 9-11 Fee: No
<i>Prerequisite: Accelerated Mathematics 8</i>	
<i>Pre-AP Geometry with Statistics provides students with a conceptual bridge between algebra and geometry that deepens their understanding of mathematics. The course includes a unit of statistics and probability to support students' understanding of concepts essential to quantitative literacy. Throughout the course, students solve problems across the domains of algebra, geometry, and statistics.</i>	
Algebra 1 with Probability	2 terms/1 credit Grades: 10-11 Fee: No
<i>Prerequisite: Geometry with Data Analysis</i>	
<i>Algebra 1 with Probability builds upon algebraic concepts studied in Grade 7 and Grade 8 Mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics.</i>	
Algebra 2 with Statistics	2 terms/1 credit Grades: 10-12 Fee: No
<i>Prerequisite: Geometry with Data Analysis and Algebra 1 with Probability (Standards or Full Course)</i>	
<i>Algebra 2 with Statistics builds on the students' experiences in previous mathematics in Geometry with Data Analysis and Algebra 1 with Probability. It is the culmination of foundational mathematics content and sets the stage for continued study of topics specific to the student's interests and plans beyond high school.</i>	
Pre-AP Algebra 2	2 terms/1 credit Grades: 10-12 Fee: No
<i>Prerequisite: Geometry with Data Analysis and Algebra 1 with Probability (Standards or Full Course)</i>	
<i>In Pre-AP Algebra 2, students solidify and extend the understanding of functions and data analysis developed in prior courses. Students build upon linear, quadratic, and exponential functions as they work to define logarithmic, polynomial, rational, square root, cube root, and trigonometric functions. Quantitative literacy is developed by weaving data sets, contextual scenarios, and mathematical modeling throughout the course.</i>	
Applications of Finite Mathematics	2 terms/1 credit Grades: 10-12 Fee: No
<i>Prerequisite: Algebra 2 with Statistics</i>	
<i>Applications of Finite Mathematics provides students with the opportunity to explore mathematics concepts related to discrete mathematics and their application to computer science and other fields and includes areas of study that are critical to the fast-paced growth of a technologically advancing world. The wide range of topics in Applications of Finite Mathematics includes logic, counting methods, information processing, graph theory, election theory, and fair division, with an emphasis on relevance to real-world problems.</i>	
Mathematical Modeling	2 terms/1 credit Grades: 10-12 Fee: No
<i>Prerequisite: Algebra 2 with Statistics</i>	
<i>Mathematical Modeling is developed to expand on and reinforce the concepts introduced in Geometry with Data Analysis, Algebra 1 with Probability, and Algebra 2 with Statistics by applying them in the context of mathematical modeling to represent and analyze data and make predictions regarding real-world phenomena. Mathematical Modeling is designed to engage students in doing, thinking about, and discussing mathematics, statistics, and modeling in everyday life.</i>	

Course Name	Length/Credit/Fee
Pre-Calculus	2 terms/1 credit Grades: 11-12 Fee: No
<i>Prerequisite: Algebra 2 with Statistics</i>	
<i>Pre-Calculus is designed primarily for those students considering careers in mathematical or scientific fields of study. This challenging curriculum includes an expanded study of polynomial functions, conic sections, logarithmic and exponential equations, and real-life applications of these topics.</i>	
Pre-Calculus, AP	2 terms/1 credit Grades: 11-12 Fee: No
<i>Prerequisite: Pre-AP Algebra 2</i>	<i>AP Exam: \$94 approx.</i>
<i>AP Pre-Calculus prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college pre-calculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.</i>	
Calculus	2 terms/1 credit Grades: 11-12 Fee: No
<i>Prerequisite: Pre-Calculus</i>	
<i>Calculus is designed to prepare students for college calculus courses. Topics covered include limits, continuity, graphing using calculus, differentiation with application and integration with applications.</i>	
Calculus AB, AP	2 terms/1 credit Grades: 11-12 Fee: Yes
<i>Prerequisite: AP Pre-Calculus</i>	<i>AP Exam: \$94 approx.</i>
<i>This Advanced Placement course plus successful completion of the AP exam may fulfill the requirements of a first semester college calculus class. It introduces differential and integral calculus. Topics covered include limits, continuity, differentiation and applications, integration and applications, and curve sketching.</i>	
Calculus BC, AP	2 terms/1 credit Grades: 11-12 Fee: Yes
<i>Prerequisite: AP Pre-Calculus</i>	<i>AP Exam: \$94 approx.</i>
<i>This Advanced Placement class covers the same material as the AB course and includes additional material that would be covered in a second semester college calculus class. Additional topics include infinite series, parametric equations, polar equations and vectors.</i>	
Statistics, AP	2 terms/1 credit Grades: 11-12 Fee: Yes
<i>Prerequisite: Pre-AP Algebra 2 Strongly Encouraged</i>	<i>AP Exam: \$94 approx.</i>
<i>This Advanced Placement course is a college level advanced math course following the curriculum established by the College Board Advanced Program (AP) Program for statistics.</i>	
Introduction to Computer Science-TEALS	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Introduction to Computer Science-TEALS is a one-credit engaging course that explores a variety of basic computational thinking and programming concepts through a project-based learning environment. Every unit culminates in a comprehensive project and roughly 75% of student time is spent building projects and practicing the skills they are learning. Can be used to satisfy a math credit or a 3rd or 4th science credit.</i>	

Course Name	Length/Credit/Fee
Computer Science A, AP	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: <i>Algebra 1 with Probability (Standards or Full Course)</i>	AP Exam: \$94 approx.
<i>AP Computer Science A is 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. This course fulfills a math or science requirement.</i>	
Computer Science Principles, AP	2 terms/1 credit Grades: 9-12 Fee: Yes
Prerequisite: <i>Algebra 1 with Probability (Standards or Full Course)</i>	AP Exam: \$94 approx.
<i>AP Computer Science Principles is a college-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for computer science. This course focuses on innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives and introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. This course fulfills a math or science requirement.</i>	

Science

The courses offered by the high schools of Shelby County have been developed to meet the needs and interests of all students and include the content standards from the Alabama Course of Study for Science.

OPTION I	OPTION II	OPTION III
9 th <i>Biology</i>	9 th <i>Biology</i>	9 th <u>Choice of:</u> <ul style="list-style-type: none"> • <i>Biology</i> • <i>Pre-AP Biology</i>
10 th <i>Physical Science</i>	10 th <i>Physical Science</i>	10 th <u>Choice of:</u> <ul style="list-style-type: none"> • <i>Chemistry</i> • <i>Pre-AP Chemistry</i>
11 th <u>Choice of:</u> <ul style="list-style-type: none"> • <i>Chemistry (co-requisite Alg. II)</i> • <i>Earth and Space Science</i> • <i>Environmental Science</i> • <i>Forensic and Criminal Investigations</i> • <i>Physics</i> • <i>Anatomy and Physiology</i> • <i>Principles of Engineering (PLTW)</i> 	11 th <u>Choice of:</u> <ul style="list-style-type: none"> • <i>Chemistry (co-requisite Alg. II)</i> • <i>Pre-AP Chemistry</i> • <i>Anatomy and Physiology</i> 	11 th <u>Choice of:</u> <ul style="list-style-type: none"> • <i>Physics</i> • <i>Anatomy and Physiology</i> • <i>AP Biology</i> • <i>AP Chemistry</i> • <i>AP Environmental Science</i> • <i>Honors Human Anatomy and Physiology</i>
12 th <u>Choice of:</u> <ul style="list-style-type: none"> • <i>Chemistry (co-requisite Alg. II)</i> • <i>Earth and Space Science</i> • <i>Environmental Science</i> • <i>Physics</i> • <i>Anatomy and Physiology</i> • <i>Forensic and Criminal Investigations</i> • <i>Principles of Engineering (PLTW)</i> 	12 th <u>Choice of:</u> <ul style="list-style-type: none"> • <i>Anatomy and Physiology</i> • <i>Physics</i> • <i>AP Biology</i> • <i>AP Environmental Science</i> • <i>Honors Human Anatomy and Physiology</i> • <i>Principles of Engineering (PLTW)</i> 	12 th <u>Choice of:</u> <ul style="list-style-type: none"> • <i>Anatomy and Physiology</i> • <i>Physics</i> • <i>AP Biology</i> • <i>AP Chemistry</i> • <i>AP Environmental Science</i> • <i>AP Physics I</i> • <i>AP Physics C</i> • <i>Honors Human Anatomy and Physiology</i>

Course Name	Length/Credit/Fee
Physical Science	2 terms/1 credit Grades: 9-12 Fee: No
<i>Conceptual inquiry-based course with engineering design integration providing investigation of the basic concepts of chemistry and physics including matter and its interactions, motion and stability, energy, and waves and information technologies. This course includes the demonstrations of concepts and related lab activities.</i>	
Chemistry	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: "B" Average in Algebra I or Equivalent (Algebra II with Statistics Co-Requisite Recommended)	
<i>Investigation of empirical concepts central to biology, earth science, environmental science, and physiology; in-depth investigations on the properties and interactions of matter including matter and its interactions, concentration of forces and motion, types of interactions, stability and instability in chemical systems, conservation of energy, energy transformations, and applications of energy to everyday life. Due to this emphasis, a strong background in Algebra I is essential for successful completion of this course. This course is classified as a physical science.</i>	
Pre-AP Chemistry	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: "B" Average in Algebra I (Algebra II with Statistics Co-Requisite Recommended)	
<i>In Pre-AP Chemistry, students develop a deep conceptual understanding of matter and energy at the molecular level as they learn to explain their macroscopic observations using particulate-level reasoning. As students engage in grade-level content, they utilize scientific reasoning skills needed to analyze the natural world—and to succeed in future science and social science courses in high school and college.</i>	
Chemistry, AP	2 terms/1 credit Grades: 11-12 Fee: Yes
Prerequisite: "B" Average in Chemistry, Honors or Regular; "B" Average in Algebra II with Statistics	
AP Exam: \$94 approx.	
<i>This course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. AP Chemistry differs from the other chemistry courses in the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulations of principles, kind of laboratory work done, and the overall time spent on the course by students. In this course, students should attain a greater depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. Students will need a scientific calculator and an AP study guide. This course is classified as a physical science.</i>	
Earth and Space Science	2 terms/1 credit Grades: 11-12 Fee: Yes
Prerequisite: Biology/Physical Science	
<i>Comprehensive application of all science disciplines with focus on concepts of the universe and its stars, Earth and the solar system, history of planet Earth, Earth's materials and systems, plate tectonics, large-scale system interactions, the roles of water in Earth's surface processes, weather and climate, and biogeology; includes integration of engineering, technology and application of science core ideas. This course is classified as a physical science.</i>	
Biology	2 terms/1 credit Grade: 9 Fee: No
<i>Inquiry-based course with engineering design integration; focused on patterns, processes, and interactions among living organisms including structures and processes, ecosystems, heredity, and unity and diversity. This course is classified as a life science.</i>	

Course Name	Length/Credit/Fee
Pre-AP Biology	2 terms/1 credit Grade: 9 Fee: Yes
<i>In Pre-AP Biology, students engage in real-world data analysis and problem solving that sparks critical thinking about our living world. As students engage in grade-level content, they utilize the kind of scientific reasoning skills needed to analyze the natural world—and to succeed in future science and social science courses in high school and college.</i>	
Biology, AP	2 terms/1 credit Grades: 11-12 Fee: Yes
Prerequisite: "B" Average in Honors Biology; "B" Average in Chemistry	AP Exam: \$94 approx.
<i>AP Biology is a college-level course that follows the guidelines of The College Board. It will differ significantly from the usual high school biology regarding the kind of textbook used, the range and depth of topics covered, the kind of lab work done, and the time and effort required of students. The main goals of AP Biology are to help students develop a conceptual framework of modern biology, to help students gain appreciation of science as a process, and to prepare the students for the national exam. This course is classified as a life science.</i>	
Environmental Science	2 terms/1 credit Grades: 11-12 Fee: Yes
Prerequisite: <i>Biology/Physical Science</i>	
<i>Study of natural resources, natural hazards, human impacts on Earth systems and global climate change; design engineering solutions to solve various problems affecting Earth and its environment. This course is classified as a life science.</i>	
Environmental Science, AP	2 terms/1 credit Grades: 11-12 Fee: Yes
Prerequisite: "B" in Biology, "B" in Chemistry	AP Exam: \$94 approx.
<i>This course is designed to be equivalent to a college introductory course in environmental science. Emphasis is placed on scientific principles and analysis; lab and field work with scientific equipment will be included. Students completing this course will understand the interrelationships of the natural world, be able to identify environmental problems and have knowledge of alternative solutions to these problems. This course is classified as a life science.</i>	
Human Anatomy and Physiology	2 terms/1 credit Grades: 11-12 Fee: Yes
Prerequisite: <i>Biology</i>	
<i>Study of structure and function of human body systems from the cellular level to the organism level; interactions within and between systems that maintain homeostasis in an organism; how personal choices, environmental factors, and genetic factors affect the human body. This course is classified as a life science.</i>	
Human Anatomy and Physiology, Honors	2 terms/1 credit Grades: 11-12 Fee: Yes
Prerequisite: <i>Chemistry</i>	
<i>Advanced study of structure and function of human body systems from the cellular level to the organism level; interactions within and between systems that maintain homeostasis in an organism; how personal choices, environmental factors, and genetic factors affect the human body. This course is classified as a life science.</i>	

Course Name	Length/Credit/Fee
Forensic and Criminal Investigations	1 term/1 credit Grades: 9-12 Fee: Yes
<i>Prerequisite: Biology/Physical Science</i>	
<i>Forensic and Criminal Investigations is a growing area in law, public safety, and security. Forensic and criminal investigators influence our lives by providing assistance to fire fighters and law enforcement officers as well as the criminal justice system. This one-credit course focuses on career opportunities, safety, history of forensic science, criminal investigations, forensic serology and DNA, forensic studies in anthropology, toxicology, fingerprinting, firearms, physics, and document examination. This career tech course can fulfill a 3rd or 4th credit in science.</i>	
Physics	2 terms/1 credit Grades: 11-12 Fee: Yes
<i>Prerequisite: Algebra II with Statistics and Chemistry</i>	
<i>Detailed exploration of properties of physical matter, physical quantities, motion and stability, energy, and waves and their applications for information transfer through authentic investigations and engineering design processes. A calculator with trigonometric functions is required. This course is classified as a physical science.</i>	
AP Physics 1	2 terms/1 credit Grades: 11-12 Fee: Yes
<i>Prerequisite: "B" in Honors Chemistry, AP Chemistry or Physics / Co-requisite: Pre-Calculus</i>	
<i>AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rational motion); work, energy and power; mechanical waves and sounds; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course is classified as a physical science.</i>	
AP Physics C: Mechanics	2 terms/1 credit Grade: 12 Fee: Yes
<i>Co-requisite: Calculus, AP</i>	
<i>This is a second year physics course designed for students interested in majoring in science, engineering or in a technology-related field. Students who have never taken Physics may take this course with the permission of the instructor. The course is calculus-based and requires critical thinking skills and is intended to be a college level course. Students must be concurrently enrolled in Calculus (preferably A/B or B/C). The course covers Newtonian mechanics in depth and provides instruction in each of the following six content areas outlined in the Course Description: Kinematics, Newton's laws of motion, Work, energy, and power, Systems of particles, linear momentum, Circular motion and rotation Oscillations and gravitation. This course is classified as a physical science.</i>	
Principles of Engineering - (PLTW)	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>A one-credit course designed to explore technology systems and manufacturing processes. This course can serve as an 11th or 12th grade credit in science.</i>	
Introduction to Computer Science-TEALS	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Introduction to Computer Science-TEALS is a one-credit engaging course that explores a variety of basic computational thinking and programming concepts through a project-based learning environment. Every unit culminates in a comprehensive project and roughly 75% of student time is spent building projects and practicing the skills they are learning. Can be used to satisfy a math credit or a 3rd or 4th science credit.</i>	
Computer Science A, AP	2 terms/1 credit Grades: 10-12 Fee: Yes
<i>Prerequisite: Algebra I with Probability (Standards or Full Course)</i>	
<i>AP Computer Science A is 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. This course fulfills a math or science requirement.</i>	

Course Name	Length/Credit/Fee
Computer Science Principles, AP	2 terms/1 credit Grades: 9-12 Fee: Yes
Prerequisite: <i>Algebra I with Probability (Standards or Full Course)</i>	<i>AP Exam: \$94 approx.</i>
<p><i>AP Computer Science Principles is a college-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for computer science. This course focuses on innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives and introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. This course fulfills a math or science requirement.</i></p>	

Social Studies

Social Studies is the integrated study of the social sciences and humanities to promote civic competence. The emphasis on civic responsibility encourages students to become informed, responsible, participating citizens. The course requirements are the following:

Grade 9	World History: 1500 to the Present
Grade 10	United States History to 1877
Grade 11	United States History from 1877
Grade 12	United States Government/Economics

All courses encompass four program goals:

- Historic Literacy
- Geographic Literacy
- Economic Literacy
- Political Literacy

Course Name	Length/Credit/Fee
World History: 1500 to Present	2 terms/1 credit Grade: 9 Fee: No
<i>This course directs students to think critically about the various forces that combine to shape the world today. Emphasis will be placed on geographic impact, development of civic knowledge/responsibilities, and emerging economic systems within a chronological context. Students will gain an understanding and appreciation of history as an exciting story of people much like them at other times and places.</i>	
World History: 1500 to Present, Honors	2 terms/1 credit Grade: 9 Fee: No
<i>Students choosing to take this course at the honors level will cover more material, in-depth, and at an accelerated rate. Students explore the same topics as the World History and Geography course, but the students will have a higher emphasis placed on critical thinking and examinations of historical texts. Students will receive a .5 extra quality point for successfully completing this course.</i>	
United States History to 1877	2 terms/1 credit Grade: 10 Fee: No
<i>The standards for tenth grade students cover the historic development of American ideas and institutions from the Age of Exploration to 1877. While focusing on political and economic history, the standards provide students with a basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in United States and Alabama History.</i>	
United States History from 1877 to Present	2 terms/1 credit Grade: 11 Fee: No
Prerequisite: United States History to 1877	
<i>The study of the history of the United States in Grade 11 continues the journey begun in Grade 10 through the economic, geographic, social, and political development of the United States. Beginning with the post-Reconstruction United States and its shift into a more industrialized society, the course continues through the twentieth century to the present. Students are involved in a chronological study of major events, issues, movements, and leaders of the United States through the present from both a national and an Alabama perspective. Students are actively involved in and are challenged by the level of expectation inherent in the required content of this course. With more fully developed skills in abstract thinking, students compare, analyze, and explain events and developments rather than simply list or identify them.</i>	

Course Name	Length/Credit/Fee
United States History, Grade 10 AP	2 terms/1 credit Grade: 10 Fee: Yes
Prerequisite: <i>World History Honors</i>	No AP Exam
<i>AP U.S. History is a two year program. The first part is taken in grade 10 and covers 1492-1877; the second part is taken in grade 11 and covers 1877 to the present. This is a college level course designed to provide students with the analytical skills and factual knowledge necessary to deal critically with events and themes in United States history. Students will learn to assess historical documents, weigh evidence, analyze interpretations of events and write scholarly analyses of historical information. This course also requires students to read extensively outside the classroom and demonstrate excellent writing skills.</i>	
United States History, Grade 11 AP	2 terms/1 credit Grade: 11 Fee: Yes
Prerequisite: <i>United States History, AP Grade 10</i>	AP Exam: \$94 approx.
<i>AP U.S. History is a two year program. The first part is taken in grade 10 and covers 1492-1877; the second part is taken in grade 11 and covers 1877 to the present. This is a college level course designed to provide students with the analytical skills and factual knowledge necessary to deal critically with events and themes in United States history. Students will learn to assess historical documents, weigh evidence, analyze interpretations of events and write scholarly analyses of historical information. This course also requires students to read extensively outside the classroom and demonstrate excellent writing skills.</i>	
European History, AP	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: <i>Overall "B" Average</i>	AP Exam: \$94 approx.
<i>The study of AP European History focuses on events since 1450 and introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. This course builds the context for understanding the development of contemporary institutions, the role of conflict and continuity in present-day society and politics. Students also examine the evolution of current forms of artistic expressions and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop: a) an understanding of principle themes in modern European history; b) an ability to analyze historical evidence; and c) an ability to analyze and to express historical understanding in writing. This course also requires students to read extensively outside the classroom, and students should possess excellent writing skills. This course will count for elective credit only.</i>	
Economics	1 term/½ credit Grade: 12 Fee: No
<i>Economics provides students with detailed knowledge in the workings of modern-day economic systems, in particular the American capitalist system. Students acquire information about basic economic concepts and skills in the interpretation of graphic economic data. Students apply information and skills to the analysis of issues and problems in contemporary economic systems. The study of economics includes the use and interpretation of maps, charts, graphs, tables, and other expressions of statistical data.</i>	
Economics, Honors	1 term/½ credit Grade: 12 Fee: No
Prerequisite: <i>Successful Completion of English 10</i>	
<i>Honors Economics will go far beyond the regular course in scope and preparation time for the student. Economics provides students with detailed knowledge in the workings of modern-day economic systems, in particular the American capitalist system. Students acquire information about basic economic concepts and skills in the interpretation of graphic economic data. Students apply information and skills to the analysis of issues and problems in contemporary economic systems. The study of economics includes the use and interpretation of maps, charts, graphs, tables, and other expressions of statistical data. Students will receive a .5 extra quality point for successfully completing this course.</i>	

Course Name	Length/Credit/Fee
Macroeconomics, AP	1 term/½ credit Grade: 12 Fee: Yes
	<i>AP Exam: \$94 approx.</i>
<i>The focus of this macroeconomics course is on the U.S. capitalist system. The content will help students develop critical thinking skills through the understanding, application, and analysis of fundamental economic concepts. Students will weigh the merits of different economic theories and understand the divergent policies that ensue. This course will illustrate the derivation of major statistical measures and how to use models such as graphs to predict the outcome of domestic and foreign policy decisions. Students will be taught the explanation of Keynesian Economics, as well as the use of monetary and fiscal policy.</i>	
United States Government	1 term/½ credit Grade: 12 Fee: No
<i>This course serves as the capstone of the K-12 curriculum. Students in this course gain the knowledge and skills necessary for civic responsibility. In United States Government, students draw on the knowledge and skills from their previous study of United States, world history, and geography as background information. The course focuses on the origins and functions of government as well as the intellectual influences in the development of representative democracy in America. Through a detailed study of the United States Constitution, students become knowledgeable of the structure and workings of government at all levels in the state and nation.</i>	
United States Government and Politics, AP	1 term/½ credit Grade: 12 Fee: Yes
	<i>AP Exam: \$94 approx.</i>
<i>This is a college-level survey course dealing with the foundations of our democratic government. It is designed to provide students with the skills and factual knowledge to deal with material and evidence concerning government and politics.</i>	
Psychology	1 term/½ credit Grades: 11-12 Fee: Yes
<i>This is an elective course designed as an introduction to human behavior. Personality, behavior, development, and methods of measuring intellectual abilities are topics that are included in the psychology part of the course. The process of thinking, general principles of learning, and factors involved in efficient learning are also addressed.</i>	
Sociology	1 term/½ credit Grades: 11-12 Fee: Yes
<i>Sociology is the study of people in their environments. This part of the course emphasizes the importance of social relationships in human behavior and a study of problems in our society.</i>	
Contemporary Issues/Global Studies	1 term/½ credit Grade: 11-12 Fee: Yes
<i>In this course, students will study the current events of local, state, national, and international interests; media information analysis, political coverage, and techniques; analysis of current events from geographical, historical, political, social, and cultural perspectives.</i>	
Comparative Religion	1 term/½ credit Grades: 11-12 Fee: Yes
<i>This is the study of the major religions such as Christianity, Islam, Hinduism, Buddhism and Judaism. Other smaller religions are also studied. This course examines the history, development, practices, beliefs, and current role each religion plays in the world today.</i>	
Psychology, AP	2 terms/1 credit Grade: 12 Fee: Yes
	<i>AP Exam: \$94 approx.</i>
<i>Coursework is on a college level and examines topics in great depth related to human behavior development, personality, and methods of measuring intellectual abilities. The process of thinking, general principles of learning, and factors involved in efficient learning are also addressed.</i>	

Course Name	Length/Credit/Fee
World History, AP	2 terms/1 credit Grades: 9-12 Fee: Yes
	<i>AP Exam: \$94 approx.</i>
<p><i>The AP World History course focuses on developing students' understanding of world history from approximately 8000 B.C.E. to the present. The course has students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures) that students explore throughout the course in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania. This is a college level course following the curriculum established by the College Board Advanced Placement Program for world history.</i></p>	

World Languages

Effective with the Class of 2019, students taking a Level I language course in the 8th grade will be awarded a high school credit.

Course Name	Length/Credit/Fee
Spanish I	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Listening and speaking are emphasized at the beginning of this course. As students progress, writing and reading skills are added. Basic vocabulary and grammatical principles are continually stressed. Controlled dialogues provide students with opportunities to communicate in the language. A study of family life, food, and other aspects of Spanish culture is also an integral part of the course.</i>	
Spanish II	2 terms/1 credit Grades: 9-12 Fee: Yes
Prerequisite: <i>Spanish I</i>	
<i>This course is a continuation of skills developed in the four language areas. Much emphasis is directed toward increased fluency in speaking. Cultural material provided through textbooks, resource lecturers, and teachers enhance students' knowledge of the target language. Students participate in skits and narratives at a more advanced level.</i>	
Spanish III, Honors	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: <i>Spanish II</i>	
<i>This course is designed for the students to acquire advanced skills in comprehending materials at increasing rates of speech and with variations of speaker and intonation. Students will display increased ability to express themselves both orally and in writing. Short stories are included to increase reading comprehension in the target language. Students will receive a .5 extra quality point for successfully completing this course.</i>	
Spanish IV, Honors	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: <i>Spanish III, Honors</i>	
<i>This course is designed for students to increase advanced skills in comprehending materials at increasing rates of speech and with variations of speaker and intonation. Students will build proficiency in reading, writing, speaking and listening from an advanced level to a superior level. Students will receive a .5 extra quality point for successfully completing this course.</i>	
Spanish, AP – Language	2 terms/1 credit Grade: 12 Fee: Yes
Prerequisite: <i>Grade "B" or Better in Spanish III, Honors or Successful Completion of Spanish IV, Honors</i>	AP Exam: \$94 approx.
<i>Spanish AP continues to build on those foundations students have developed in Spanish I, II, and III. It includes a rigorous review in Spanish grammar as well as consistent practice in comprehension through listening to and reading authentic texts. Students will also receive training in how to express themselves in various contexts through speaking and formal and informal writing.</i>	

Course Name	Length/Credit/Fee
French I	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Listening and speaking are emphasized at the beginning of this course. As students progress, writing and reading skills are added. Basic vocabulary and grammatical principles are continually stressed. Controlled dialogues provide students with opportunities to communicate in the language. A study of family life, food, and other aspects of French culture is also an integral part of the course.</i>	
French II	2 terms/1 credit Grades: 9-12 Fee: Yes
Prerequisite: <i>French I</i>	
<i>This course is a continuation of skills developed in the four language areas. Much emphasis is directed toward increased fluency in speaking. Cultural material provided through textbooks, resource lecturers, and teachers enhance students' knowledge of the target language. Students participate in skits and narratives at an advanced level.</i>	
French III, Honors	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: <i>French II</i>	
<i>This course is designed for students to acquire advanced skills in comprehending materials at increasing rates of speech and with variations of speaker and intonation. Students will display increased ability to express themselves both orally and in writing. Students will receive a .5 extra quality point for successfully completing this course.</i>	
French IV, Honors	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: <i>French III, Honors</i>	
<i>This course is designed for students to increase advanced skills in comprehending materials at increasing rates of speech and with variations of speaker and intonation. Students will build proficiency in reading, writing, speaking and listening from an advanced level to a superior level. Students will receive a .5 extra quality point for successfully completing this course.</i>	
French, AP – Language	2 terms/1 credit Grade: 12 Fee: Yes
Prerequisite: <i>Grade "B" or Better in French III, Honors or Successful Completion of French IV, Honors</i>	
AP Exam: \$94 approx.	
<i>AP French continues to build on those foundations students have developed in French I, II, and III Honors. It includes a rigorous review in French grammar as well as consistent practice in comprehension through listening to and reading authentic texts. Students will also receive training in how to express themselves in various contexts through speaking and formal and informal writing.</i>	
German I	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Listening and speaking are emphasized at the beginning of this course. As students progress, writing and reading skills are added. Basic vocabulary and grammatical principles are continually stressed. Controlled dialogues provide students with opportunities to communicate in the language. A study of family life, food, and other aspects of the German culture is also an integral part of the course.</i>	
German II	2 terms/1 credit Grades: 9-12 Fee: Yes
Prerequisite: <i>German I</i>	
<i>This course is a continuation of skills developed in the four language areas. Much emphasis is directed toward increased fluency in speaking. Cultural material provided through textbooks, resource lecturers, and teachers enhance students' knowledge of the target language. Students participate in skits and narratives at an advanced level.</i>	

Course Name	Length/Credit/Fee
German III, Honors	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: <i>German II</i>	
<i>This course is designed for students to acquire advanced skills in comprehending materials at increasing rates of speech and with variations of speaker and intonation. Students will display increased ability to express themselves both orally and in writing. Students will receive a .5 extra quality point for successfully completing this course.</i>	
German IV, Honors	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: <i>German III, Honors</i>	
<i>This course is designed for students to increase advanced skills in comprehending materials at increasing rates of speech and with variations of speaker and intonation. Students will build proficiency in reading, writing, speaking and listening from an advanced level to a superior level. Students will receive a .5 extra quality point for successfully completing this course.</i>	
Latin I	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: <i>Grade of "C" or Better in Previous Year's English Class</i>	
<i>Latin I provides students the opportunity to begin the study of the Latin language and introduces them to Roman culture and its influence on the cultures of the Western world. Emphasis in Latin I is placed on acquiring basic grammar, vocabulary, and translations skills.</i>	
Latin II	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: <i>Grade "C" or Better in Latin I</i>	
<i>Latin II includes a more advanced study of the knowledge and skills previously gained through the use of stories of Roman life, history, and mythology. Coursework involves a study of advanced grammar, additional vocabulary, and some translation of works of authentic Roman authors. Aspects of Roman culture, including important persons, places, and events, continue to be taught during the second year of Latin study.</i>	
Latin III, Honors	2 terms/1 credit Grades: 11-12 Fee: Yes
Prerequisite: <i>Grade "B" or Better in Latin II</i>	
<i>Students in Latin III build upon knowledge and skills acquired in Latin II. They focus on employing advanced grammar and vocabulary to read primary prose sources that illuminate the history and culture of Rome during the period of the golden age of Latin literature, the death of the Republic, and the formation of the Roman Empire. Students will receive a .5 extra quality point for successfully completing this course.</i>	
Latin IV, Honors	2 terms/1 credit Grades: 11-12 Fee: Yes
Prerequisite: <i>Grade "B" or Better in Latin III, Honors</i>	
<i>Students in Latin IV focus on employing advanced grammar and vocabulary to read Latin prose and poetry. There is also an emphasis on metrical patterns and poetic devices. Students will receive a .5 extra quality point for successfully completing this course.</i>	
Latin, AP - Vergil	2 terms/1 credit Grade: 12 Fee: Yes
Prerequisite: <i>Grade "B" or Better in Latin III Honors or Successful Completion of Latin IV, Honors</i>	
AP Exam: \$94 approx.	
<i>Students in Latin AP Vergil incorporate all aspects of previous study of the Latin language and literature, Western culture, mythology, and ancient history to read, translate, comprehend, analyze, and interpret selections of the Latin text of Vergil's Aeneid. Students continue to review and learn additional grammar and literary skills in preparation for the AP Latin Vergil examination.</i>	

Course Name	Length/Credit/Fee
American Sign Language I	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Students will develop communicative skills through the American Sign Language system.</i>	
American Sign Language II	2 terms/1 credit Grades: 10-12 Fee: Yes
<i>Students will improve their communicative skills that were taught in American Sign Language I using the American Sign Language system.</i>	
American Sign Language III	2 terms/1 credit Grades: 11-12 Fee: Yes
<i>Students will improve their communicative skills that were taught in American Sign Language II using the American Sign Language system.</i>	
American Sign Language IV	2 terms/1 credit Grade: 12 Fee: Yes
<i>Students will improve their communicative skills that were taught in American Sign Language III using the American Sign Language system.</i>	

Visual Arts

This section lists courses in the areas of Visual Arts, Dance, Music (music, instrumental music, and vocal music), and Theatre. Courses in this section will fulfill the Fine Arts requirement for the Shelby County Advanced Endorsement.

Each arts discipline has its own subject matter, concepts, skills, vocabulary, and means of communication and expression. Students will develop both the creative and appreciative dimensions of the arts disciplines. The arts education programs provide our students with the opportunity to fulfill their individual needs, talents, and dreams.

Course Name	Length/Credit/Fee
Visual Arts I	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>This course is designed to give students exposure to the disciplines of visual art. With emphasis on the elements of art and principles of design, the students will be exposed to a variety of studio methods, such as drawing, painting, printmaking, graphic design, and sculpture. Cultural connections and art history will serve as a foundation for the course.</i>	
Visual Arts II	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: <i>Visual Arts I</i>	
<i>This course focuses on increasing skills in drawing, painting, printmaking, and sculpture. Emphasis will be placed on developing ideas and personal expression. This course is designed for the more serious art student. Art history, art criticism, and aesthetics will be an integral part of the curriculum.</i>	
Visual Arts III	2 terms/1 credit Grades: 11-12 Fee: Yes
Prerequisite: <i>Visual Arts II</i>	
<i>This course is designed for the student who has demonstrated discipline, technical skill, and commitment to the visual arts. Emphasis will be placed on originality and execution of ideas through a wide range of art media and techniques. Art history, art criticism, and aesthetics will serve as a foundation for self-expression and analysis. Student will have the opportunity to exhibit work and develop a portfolio.</i>	
Visual Arts IV	2 terms/1 credit Grade: 12 Fee: Yes
Prerequisite: <i>Visual Arts III</i>	
<i>The fourth level of art is designed for senior students who wish to continue with their arts education, are interested in an art-related career, and who do not wish to take the AP art course. Students are encouraged to enter exhibitions, seek scholarships, and continue to build on their portfolio.</i>	
Visual Arts, Sculpture I	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: <i>Visual Arts I</i>	
<i>This one credit course, intermediate level, is first of a sequential high school course focusing on the medium of sculpture. Through exploration and experimentation, this course provides students with a foundation in the sculpture studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary sculpture processes, while effectively applying the elements of art and principles of design.</i>	

Course Name	Length/Credit/Fee
Visual Arts, Sculpture II	2 terms/1 credit Grades: 10-12 Fee: Yes
<i>Prerequisite: Visual Arts I or Sculpture I</i>	
<i>This intermediate level course focuses on the medium of sculpture. Creating, presenting, responding, and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how sculpture communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a more formal foundation in the sculpture studio processes, art criticism, aesthetics, and art history.</i>	
Visual Arts, Sculpture III	2 terms/1 credit Grades: 10-12 Fee: Yes
<i>Prerequisite: Visual Arts II or Sculpture II</i>	
<i>This intermediate level course focuses on the medium of sculpture. Creating, presenting, responding, and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how sculpture communicates ideas and allows for self-expression. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary sculpture processes, while effectively applying the elements of art and principles of design to provide a deeper understanding and appreciation of sculpture.</i>	
Digital Photography I	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>This one credit course, novice level, it is the first of a sequential high school course focusing on digital photography. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how photography communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a general foundation of digital photography, elements and principles of design; aesthetics; criticism; art/photography history; evaluation of photographic artwork; proper care and storage of digital photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems; minimal use of analog photography may be incorporated.</i>	
Digital Photography II	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Prerequisite: Digital Photography I</i>	
<i>This course is the second of a sequential high school course focusing on digital photography. This course provides students with a more in depth study in foundations of digital photography, elements and principles of design; aesthetics; criticism; art/photography history; evaluation of photographic artwork; proper care and storage of digital photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems; minimal use of analog photography may be incorporated.</i>	
Digital Photography III	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Prerequisite: Digital Photography II</i>	
<i>This intermediate course is the third of a sequential high school course focusing on digital photography. Through exploration and experimentation, this course provides students with a comprehensive study of digital photography, elements and principles of design; aesthetics; criticism; art/photography history; evaluation of photographic artwork; proper care and storage of digital photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems; minimal use of analog photography may be incorporated.</i>	

Course Name	Length/Credit/Fee
Digital Photography IV	2 terms/1 credit Grades: 10-12 Fee: Yes
<i>Prerequisite: Digital Photography III</i>	
<i>This is the fourth of a sequential high school course focusing on digital photography. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how photography communicates ideas and allows for self-expression. Through continued exploration and experimentation, students will demonstrate critical problem solving techniques.</i>	
Studio Art: Drawing, AP Studio Art: 2-Dimensional Design, AP Studio Art: 3-Dimensional Design, AP	2 terms/1 credit Grades: 11-12 Fee: Yes
<i>Prerequisite: AP Art and Design courses are for all students who are interested in inquiry-based thinking and making. Although there is no prerequisite for AP Art and Design courses, prior experiences learning about and making art and design support student success in AP Art and Design. Students who have not had opportunities to take art or design classes prior to AP will likely need assistance in developing a foundational understanding of art and design materials, processes, and ideas to prepare them for success.</i>	
<i>For the serious art student, these courses offer an opportunity to develop a portfolio in one of three areas: Drawing, 2-D Design or 3-D Design. Each course emphasizes growth as an artist and the execution of ideas through various media. This level encourages independence, and working on art projects outside of class will be necessary. Students are required to submit a final portfolio which will be evaluated by an outside AP review committee to determine the possibility of college credit. An AP fee is required in addition to the regular art fee.</i>	
Crafts	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>This course introduces students to the various crafts that will provide them with lifetime enjoyment. Students in this course will respond to personal experiences and conceptualize ideas as they learn to manipulate the elements of art and the principles of design through the use of a variety of processes, techniques, and media.</i>	
Graphic Design I	2 terms/1 credit Grades: 10-12 Fee: Yes
<i>This one credit course, novice level, it is the first of a sequential high school course focusing directly on graphic design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how graphic design communicates ideas and allows for self-expression. Through exploration and experimentation, this course introduces core concepts of visual communication principles and provides students with a foundation in the graphic design processes, art criticism, aesthetics, and art history. Students will address graphic design problems to express ideas using a variety of traditional and contemporary media, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.</i>	
Graphic Design II	2 terms/1 credit Grades: 10-12 Fee: Yes
<i>Prerequisite: Graphic Design I</i>	
<i>This intermediate course is the second of a sequential high school course focusing directly on graphic design. Through exploration and experimentation, this course increases development of core concepts in visual communication principles and provides students with a foundation in the graphic design processes, art criticism, aesthetics, and art history. Safe practices and proper use of tools, equipment and materials are emphasized.</i>	

Band/Music Theory

Students participating in a performance ensemble will perform at varsity football games, attend and perform at pep rallies, compete in marching contests, and participate in local parades. Students are required to attend a pre-school marching camp held to teach marching and musical fundamentals. Students are also required to attend after school practices in preparation for their performance. Assessments are based on student performance, attendance and participation at all marching contests and practices. Attendance is required at all practices and performances.

Course Name	Length/Credit/Fee
Concert Band I	2 terms/1 credit Grade: 9 Fee: Yes
<i>Prerequisite: Director Approval</i>	
<i>This is a one credit course, novice level, designed for students to experience instrumental music in a concert band setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.</i>	
Concert Band II	2 terms/1 credit Grade: 10 Fee: Yes
<i>Prerequisite: Concert Band I or Director Approval</i>	
<i>This is a one credit course, intermediate level, designed for students to experience instrumental music in a concert band setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.</i>	
Concert Band III	2 terms/1 credit Grade: 11 Fee: Yes
<i>Prerequisite: Concert Band II or Director Approval</i>	
<i>This is a one credit course, proficient level, designed for students to experience instrumental music in a concert band setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.</i>	
Concert Band IV	2 terms/1 credit Grade: 12 Fee: Yes
<i>Prerequisite: Concert Band III or Director Approval</i>	
<i>This is a one credit course, accomplished level, designed for students to experience instrumental music in a concert band setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.</i>	

Course Name	Length/Credit/Fee
Concert Band V (Honors)	2 terms/1 credit Grades: 11-12 Fee: Yes
<i>Prerequisite: Concert Band IV or Director Approval</i>	
<i>This is a one credit course, advanced level, designed for students to experience instrumental music in a concert band setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.</i>	
Jazz Ensemble I	2 terms/1 credit Grade: 9 Fee: Yes
<i>Prerequisite: Director Approval</i>	
<i>This is a one credit course, novice level, designed for students to experience instrumental music in a jazz band or jazz ensemble setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.</i>	
Jazz Ensemble II	2 terms/1 credit Grade: 10 Fee: Yes
<i>Prerequisite: Jazz Ensemble I or Director Approval</i>	
<i>This is a one credit course, intermediate level, designed for students to experience instrumental music in a jazz band or jazz ensemble setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.</i>	
Jazz Ensemble III	2 terms/1 credit Grade: 11 Fee: Yes
<i>Prerequisite: Jazz Ensemble II or Director Approval</i>	
<i>This is a one credit course, proficient level, designed for students to experience instrumental music in a concert band setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.</i>	
Jazz Ensemble IV	2 terms/1 credit Grade: 12 Fee: Yes
<i>Prerequisite: Jazz Ensemble III or Director Approval</i>	
<i>This is a one credit course, accomplished level, designed for students to experience instrumental music in a concert band setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.</i>	
Percussion I	2 terms/1 credit Grade: 9 Fee: Yes
<i>Prerequisite: Director Approval</i>	
<i>This is a one credit course, novice level, designed for students to experience instrumental music in a setting of only percussion instruments. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.</i>	

Course Name	Length/Credit/Fee
Percussion II	2 terms/1 credit Grade: 10 Fee: Yes
<i>Prerequisite: Percussion I or Director Approval</i>	
<i>This is a one credit course, intermediate level, designed for students to experience instrumental music in a setting of only percussion instruments. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.</i>	
Percussion III	2 terms/1 credit Grade: 11 Fee: Yes
<i>Prerequisite: Percussion II or Director Approval</i>	
<i>This is a one credit course, proficient level, designed for students to experience instrumental music in a setting of only percussion instruments. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.</i>	
Percussion IV	2 terms/1 credit Grade: 12 Fee: Yes
<i>Prerequisite: Percussion III or Director Approval</i>	
<i>This is a one credit course, accomplished level, designed for students to experience instrumental music in a setting of only percussion instruments. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.</i>	
Visual Ensemble	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Prerequisite: Audition</i>	
<i>The High School Visual Ensemble includes all students involved with the color guard, dance team, or majorettes. Students who have been selected through the visual ensemble audition are required to take this course to work on upcoming performances, technique, and fitness. All members will participate in marching band practices and performances. Each subgroup may also participate in winter guard competitions, competitive dance, or competitive twirling.</i>	
Instrumental Elective II – Intermediate	2 terms/1 credit Grade: 9 Fee: No
<i>Prerequisite: Director Approval; Current Membership in Band</i>	
<i>This course is designed to provide small group and individual instruction. Students use this time to increase proficiency on their chosen instruments. This course cannot be used to meet the one half arts education credit required for graduation.</i>	
Instrumental Elective III – Proficient	2 terms/1 credit Grade: 10 Fee: No
<i>Prerequisite: Director Approval; Current Membership in Band</i>	
<i>This course is designed to provide small group and individual instruction. Students use this time to increase proficiency on their chosen instruments. This course cannot be used to meet the one half arts education credit required for graduation.</i>	

Course Name	Length/Credit/Fee
Instrumental Elective IV – Accomplished	2 terms/1 credit Grade: 11 Fee: No
<i>Prerequisite: Director Approval; Current Membership in Band</i>	
<i>This course is designed to provide small group and individual instruction. Students use this time to increase proficiency on their chosen instruments. This course cannot be used to meet the one half arts education credit required for graduation.</i>	
Instrumental Elective V – Advanced	2 terms/1 credit Grade: 12 Fee: No
<i>Prerequisite: Director Approval; Current Membership in Band</i>	
<i>This course is designed to provide small group and individual instruction. Students use this time to increase proficiency on their chosen instruments. This course cannot be used to meet the one half arts education credit required for graduation.</i>	

Choir

Course Name	Length/Credit/Fee
Mixed Chorus I	2 terms/1 credit Grade: 9 Fee: Yes
<i>Prerequisite: Director Approval</i>	
<i>This is a one credit course, novice level, designed for students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.</i>	
Mixed Chorus II	2 terms/1 credit Grade: 10 Fee: Yes
<i>Prerequisite: Mixed Chorus I or Director Approval</i>	
<i>This is a one credit course, intermediate level, designed for students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.</i>	
Mixed Chorus III	2 terms/1 credit Grade: 11 Fee: Yes
<i>Prerequisite: Mixed Chorus II or Director Approval</i>	
<i>This is a one credit course, proficient level, designed for students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.</i>	
Mixed Chorus IV	2 terms/1 credit Grade: 12 Fee: Yes
<i>Prerequisite: Mixed Chorus III or Director Approval</i>	
<i>This is a one credit course, accomplished level, designed for students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.</i>	
Men's Chorus I	2 terms/1 credit Grade: 9 Fee: Yes
<i>Prerequisite: Director Approval</i>	
<i>This is a one credit course, novice level, designed for students to explore treble choral 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 and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.</i>	

Course Name	Length/Credit/Fee
Men's Chorus II	2 terms/1 credit Grade: 10 Fee: Yes
<i>Prerequisite: Men's Chorus I or Director Approval</i>	
<i>This is a one credit course, intermediate level, designed for students to explore treble choral 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 and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.</i>	
Men's Chorus III	2 terms/1 credit Grade: 11 Fee: Yes
<i>Prerequisite: Men's Chorus II or Director Approval</i>	
<i>This is a one credit course, proficient level, designed for students to explore treble choral 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 and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.</i>	
Men's Chorus IV	2 terms/1 credit Grade: 12 Fee: Yes
<i>Prerequisite: Men's Chorus III or Director Approval</i>	
<i>This is a one credit course, accomplished level, designed for students to explore treble choral 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 and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.</i>	
Women's Chorus I	2 terms/1 credit Grade: 9 Fee: Yes
<i>Prerequisite: Director Approval</i>	
<i>This is a one credit course, novice level, designed for students to explore treble choral 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 and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.</i>	
Women's Chorus II	2 terms/1 credit Grade: 10 Fee: Yes
<i>Prerequisite: Women's Chorus I or Director Approval</i>	
<i>This is a one credit course, intermediate level, designed for students to explore treble choral 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 and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.</i>	
Women's Chorus III	2 terms/1 credit Grade: 11 Fee: Yes
<i>Prerequisite: Women's Chorus II or Director Approval</i>	
<i>This is a one credit course, proficient level, designed for students to explore treble choral 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 and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.</i>	

Course Name	Length/Credit/Fee
Women's Chorus IV	2 terms/1 credit Grade: 12 Fee: Yes
<i>Prerequisite: Women's Chorus III or Director Approval</i>	
<i>This is a one credit course, accomplished level, designed for students to explore treble choral 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 and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection.</i>	
Chamber Chorus I	2 terms/1 credit Grade: 9 Fee: Yes
<i>Prerequisite: Director Approval</i>	
<i>This is a one credit course, novice level, designed for students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. This course is designed for a small ensemble, such as Madrigals or Chamber Choir.</i>	
Chamber Chorus II	2 terms/1 credit Grade: 10 Fee: Yes
<i>Prerequisite: Chamber Chorus I or Director Approval</i>	
<i>This is a one credit course, intermediate level, designed for students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. This course is designed for a small ensemble, such as Madrigals or Chamber Choir.</i>	
Chamber Chorus III	2 terms/1 credit Grade: 11 Fee: Yes
<i>Prerequisite: Chamber Chorus II or Director Approval</i>	
<i>This is a one credit course, proficient level, designed for students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. This course is designed for a small ensemble, such as Madrigals or Chamber Choir.</i>	
Chamber Chorus IV	2 terms/1 credit Grade: 12 Fee: Yes
<i>Prerequisite: Chamber Chorus III or Director Approval</i>	
<i>This is a one credit course, accomplished level, designed for students to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. This course is designed for a small ensemble, such as Madrigals or Chamber Choir.</i>	

Course Name	Length/Credit/Fee
Show Choir I	2 terms/1 credit Grade: 9 Fee: Yes
<i>Prerequisite: Director Approval</i>	
<i>This is a one credit course, novice level, designed for 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 issue, and self-reflection.</i>	
Show Choir II	2 terms/1 credit Grade: 10 Fee: Yes
<i>Prerequisite: Show Choir I or Director Approval</i>	
<i>This is a one credit course, intermediate level, designed for 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 issue, and self-reflection.</i>	
Show Choir III	2 terms/1 credit Grade: 11 Fee: Yes
<i>Prerequisite: Show Choir II or Director Approval</i>	
<i>This is a one credit course, proficient level, designed for 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 issue, and self-reflection.</i>	
Show Choir IV	2 terms/1 credit Grade: 12 Fee: Yes
<i>Prerequisite: Show Choir III or Director Approval</i>	
<i>This is a one credit course, accomplished level, designed for 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 issue, and self-reflection.</i>	
Music Theory, AP	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Prerequisite: There are no prerequisite courses for AP Music Theory. Prospective students should be able to read and write musical notation and have basic performance skills with voice or an instrument.</i>	
<i>AP Exam: \$94 approx.</i>	
<i>This course seeks to instill mastery of the rudiments and terminology of music, including hearing and notating of pitches, intervals, scales, keys, chords, meter and rhythm. The course will address these basic concepts through listening to a wide variety of music, including not only music from standard Western tonal repertoire but also twentieth-century art music, jazz, popular music, and the music of non-Western cultures. The course will address the system of major-minor tonality as well as incorporate at least a brief introduction to modal, pentatonic, whole-tone, and other scales. In the course, attention is given to the students' acquisition of correct notational skills. Speed and fluency with basic materials will be emphasized. Building on this foundation, the course progresses to include more sophisticated and creative tasks, such as: melodic and harmonic dictation, composition of a bass line for a given melody (implying appropriate harmony), realization of a figured bass, realization of a Roman numeral progression, analysis of repertoire (including melody, harmony, rhythm, texture, and form), and sight-singing.</i>	

Theatre Arts

Course Name	Length/Credit/Fee
Theatre I	2 terms/1 credit Grades: 9-10 Fee: Yes
<i>This one credit course, proficient level, explores beginning theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how theatre communicates ideas and allows for self-expression. Students will study, write and/or perform scenes and monologues. Students will also be introduced to basic history of theater and technical theatre.</i>	
Theatre II	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: Theatre I or Director Approval	
<i>This one credit course, accomplished level, continues the study of theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how theatre communicates ideas and allows for self-expression. Students will study, write and/or perform scenes and monologues. Students will use their acting to refine their theatre and technical technique. Students will study the history of theatre and perform solo, duo and group theatre works.</i>	
Theatre III	2 terms/1 credit Grades: 11-12 Fee: Yes
Prerequisite: Theatre II or Director Approval	
<i>This one credit course, advanced level, continues the study of theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how theatre communicates ideas and allows for self-expression. Students will study, write and/or perform scenes and monologues. Students will further study the history of theater and technical theatre.</i>	
Advanced Theatre	2 terms/1 credit Grades: 11-12 Fee: Yes
Prerequisite: Theatre III or Director Approval	
<i>This advanced theatrical course includes the detailed study of directing and performing including casting; blocking; sound and lighting techniques; set design; and production organization. Students are required to be a part of theatrical competitions and participate in theatre productions throughout the year.</i>	
Acting Technique	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: Theatre I or Director Approval	
<i>This course further advances the skills learned in the Theatre I class. It is designed for advanced drama students placing emphasis on acting. Students are required to be a part of theatrical competitions and participate in theatric productions throughout the school year.</i>	
Technical Theatre Production	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: Director Approval	
<i>This course is designed to give students hands-on experience with behind the scenes work with theatric productions and assembly programs. Students work with sound and lighting design, stage make-up and costuming, scene design, set construction, counterweight fly system operation, house management and theatre safety. Requirements for the course include working with the school's theatric productions.</i>	

Media Arts

Media Arts is the study of human communication through film, photography, video, audio, and interactive media. Creatively, students learn to interpret and evaluate media within aesthetic, cultural, and historical contexts. Media Arts uses the elements of traditional art and merges them with the tools of current technologies to create works that express new ideas.

Course Name	Length/Credit/Fee
Media Arts I (Broadcasting)	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>This is a one credit course, proficient level, introduction to the creative and conceptual aspects of designing media arts experiences and products, including techniques, genres and styles from various and combined mediums and forms, including moving image, sound, interactive, spatial and/or interactive design. Typical course topics include: aesthetic meaning, appreciation and analysis; composing, capturing, processing and programming of media arts products, experiences and communications; their transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.</i>	
Digital Sound Design (Podcasting)	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>This one credit course, proficient level, introduces the creative and conceptual aspects of designing and producing sound for the variety of multimedia and popular musical forms, including: artistic and experimental presentations and/or installations; soundtracks for moving image; interactive, immersive and performance media, etc. Typical course topics include: aesthetic meaning, appreciation and analysis of sound and music; processes of development including: composition, sound physics, programming and synthesis; techniques, forms and technologies; production and postproduction methods, tools and processes; sound performance and presentation, transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.</i>	
Interactive Game Design I	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>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.</i>	
Web Design I	2 terms/1 credit Grades: 10-12 Fee: Yes
<i>This one credit course, proficient level, introduces the creative and conceptual aspects of designing and producing interactive, multimedia web sites and experiences, products and services, including information architecture, graphic and interface design and web-based multimedia. Typical course topics include: aesthetic meaning, appreciation and analysis; development, construction, and programming of virtual, multimedia and interactive experiences; their applications in Internet communications; as well as contextual, cultural and historical aspects and considerations.</i>	

Physical Education and Other Electives

Physical education is an essential element in the educational preparation of Alabama students. The purpose of the physical education curriculum is to reinforce the need for students to become better informed regarding health issues and to become more physically active. Individuals who are physically active and who practice healthy life choices are better prepared to meet personal health and physical fitness challenges throughout their lives. **Students must receive one full year of the Beginning Kinesiology course. Waivers are offered through one year of JROTC or two years of marching band.** The elective courses offered are appropriate for students in grades 10, 11, and 12 after completion of the required Beginning Kinesiology course in grade 9. Physical education elective courses provide students opportunities to develop a commitment to an active lifestyle during the school day and beyond. These courses allow students to continue to refine or perhaps develop skills in areas of individual interest, including sports, games, athletics, or dance.

Course Name	Length/Credit/Fee
Beginning Kinesiology	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Stand-alone course which encompasses the basic concepts of athletics and fitness, and introduces students to the basic physiological, psychological, sociological, and mechanical principles of human movement. <u>It is highly recommended that students take Beginning Kinesiology in Grade 9.</u> This is a prerequisite for all physical education elective courses. This is the only course that satisfies the graduation requirement for physical education.</i>	
Strength and Conditioning	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: <i>Beginning Kinesiology</i>	
<i>This course introduces students to the benefits of strength and cardio training using various apparatus to increase the students' strength and endurance. Proper lifting techniques for weight training will be stressed for safety purposes so that students realize maximum benefits. Students will also learn the value of warm-up and stretching activities.</i>	
Team Sports	2 terms/1 credit Grades: 10-12 Fee: Yes
Prerequisite: <i>Beginning Kinesiology</i>	
<i>Badminton, floor tennis, rhythmic activities, shuffleboard, and table tennis as well as board games are activities played in this class. The activity level is less in this course than in other PE courses; therefore, dressing out is permitted but is not required except when physical fitness testing is done.</i>	
Baseball	2 terms/1 credit Grades: 9-12 Fee: Yes
Prerequisite: <i>Beginning Kinesiology/Teacher Approval</i>	
<i>Students who have been selected through team try-outs take this course to work on skills development, strength training, and conditioning. This course may be taken more than once.</i>	
Basketball	2 terms/1 credit Grades: 9-12 Fee: Yes
Prerequisite: <i>Beginning Kinesiology/Teacher Approval</i>	
<i>Students who have been selected through team try-outs take this course to work on skills development, strength training, and conditioning. This course may be taken more than once.</i>	

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Course Name	Length/Credit/Fee
Football	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Prerequisite: Beginning Kinesiology/Teacher Approval</i>	
<i>Students who have been selected through team try-outs take this course to work on skills development, strength training, and conditioning. This course may be taken more than once.</i>	
Soccer	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Prerequisite: Beginning Kinesiology/Teacher Approval</i>	
<i>Students who have been selected through team try-outs take this course to work on skills development, strength training, and conditioning. This course may be taken more than once.</i>	
Cheerleading	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Prerequisite: Beginning Kinesiology/Teacher Approval</i>	
<i>Students who have been selected through team try-outs take this course to work on skills development, strength training, and conditioning. This course may be taken more than once.</i>	
Volleyball	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Prerequisite: Beginning Kinesiology/Teacher Approval</i>	
<i>Students who have been selected through team try-outs take this course to work on skills development, strength training, and conditioning. This course may be taken more than once.</i>	
Wrestling	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Prerequisite: Beginning Kinesiology/Teacher Approval</i>	
<i>Students who have been selected through team try-outs take this course to work on skills development, strength training, and conditioning. This course may be taken more than once.</i>	
Track	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Prerequisite: Beginning Kinesiology/Teacher Approval</i>	
<i>Students who have been selected through team try-outs take this course to work on skills development, strength training, and conditioning. This course may be taken more than once.</i>	
Softball	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Prerequisite: Beginning Kinesiology/Teacher Approval</i>	
<i>Students who have been selected through team try-outs take this course to work on skills development, strength training, and conditioning. This course may be taken more than once.</i>	
Tennis	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Prerequisite: Beginning Kinesiology/Teacher Approval</i>	
<i>Students who have been selected through team try-outs take this course to work on skills development, strength training, and conditioning. This course may be taken more than once.</i>	

Course Name	Length/Credit/Fee
Golf	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Prerequisite: Beginning Kinesiology/Teacher Approval</i>	
<i>Students who have been selected through team try-outs take this course to work on skills development, strength training, and conditioning. This course may be taken more than once.</i>	
Cross Country	2 terms/1 credit Grades: 9-12 Fee: Yes
<i>Prerequisite: Beginning Kinesiology/Teacher Approval</i>	
<i>Students who have been selected through team try-outs take this course to work on skills development, strength training, and conditioning. This course may be taken more than once.</i>	
Athletic Trainer	2 terms/1 credit Grades: 10-12 Fee: Yes
<i>Prerequisite: Beginning Kinesiology/Teacher Approval</i>	
<i>This course is designed for those students interested in a career as an athletic trainer. Emphasis is placed on the proper care of injuries, taping techniques, proper nutrition, hydration, and preparation for athletic practices and events.</i>	

Driver Education

Course Name	Length/Credit/Fee
Driver and Traffic Safety Education	1 term/½ credit Grade: 10 Fee: Yes
<p><i>This course presents the basic components of traffic safety. Participation requires that students have their driver's permit prior to the beginning of the class. Students will first attain 30 hours of classroom instruction. Afterwards, the students will receive actual on the road driving experience under the supervision of a certified driver education teacher in an approved program. Behind-the-wheel experiences will include pre-start checks, starting, stopping, turning, parking, following and meeting traffic, passing and safely driving in both urban and rural areas. Students may opt to have their teacher administer the driving portion for an Alabama State Driver's License. This will require an additional \$20.00 fee. Licenses will be administered to the students twice a year (at the end of each semester).</i></p>	

Health

Course Name	Length/Credit/Fee
Health	1 term/½ credit Grade: 10 Fee: No
<p><i>The focus of the Health Education course is to provide students with further opportunities to apply health-related knowledge to personal life. After completing the semester course, students should be able to implement a personal health plan designed to decrease adolescent health risks. In addition, students gain knowledge of the interdependence among environmental factors, learn to administer first-aid procedures (including CPR), and gain an understanding of the importance of recognizing, avoiding and reporting verbal, physical, sexual and emotional abuse.</i></p>	

Core Courses for Students on the Essentials Pathway

(An IEP team may determine to substitute with general education core classes.)

Course Name	Length/Credit/Fee
English Essentials-9	2 terms/1 credit Grade: 9 Fee: No
English Essentials-10	2 terms/1 credit Grade: 10 Fee: No
English Essentials-11	2 terms/1 credit Grade: 11 Fee: No
English Essentials-12	2 terms/1 credit Grade: 12 Fee: No
Essentials: Geometry w/Data Analysis	2 terms/1 credit Grade: 9 Fee: No
Essentials: Algebra I w/Probability	2 terms/1 credit Grade: 10 Fee: No
Essentials: Algebra II w/Statistics	2 terms/1 credit Grade: 11 Fee: No
Essentials: Mathematical Modeling	2 terms/1 credit Grade: 12 Fee: No
Essentials: Biology	2 terms/1 credit Grade: 9 Fee: No
Essentials: Physical Science	2 terms/1 credit Grade: 10 Fee: No
Essentials: Earth and Space Science	2 terms/1 credit Grade: 11 Fee: No
Essentials: Environmental Science	2 terms/1 credit Grade: 12 Fee: No
Essentials: Human Anatomy and Physiology	2 terms/1 credit Grade: 12 Fee: Yes
Essentials I: World History	2 terms/1 credit Grade: 9 Fee: No
Essentials II: U.S. History to 1877	2 terms/1 credit Grade: 10 Fee: No
Essentials III: U.S. History from 1877	2 terms/1 credit Grade: 11 Fee: No
Essentials IV: Economics	1 term/½ credit Grade: 12 Fee: No
Essentials IV: U.S. Government	1 term/½ credit Grade: 12 Fee: No

Required Courses for Students on the Essentials Pathway

Course Name	Length/Credit/Fee
Essentials Career Preparedness	2 terms/1 credit Grades: 9-12 Fee: No
Transition Services	2 terms/1 credit Grades: 9-12 Fee: No

Required Core Courses for Students on the Alabama Alternate Standards (AAS) Pathway

Course Name	Length/Credit/Fee
AAS: English Language Arts-9	2 terms/1 credit Grade: 9 Fee: No
AAS: English Language Arts-10	2 terms/1 credit Grade: 10 Fee: No
AAS: English Language Arts-11	2 terms/1 credit Grade: 11 Fee: No
AAS: English Language Arts-12	2 terms/1 credit Grade: 12 Fee: No
AAS: Mathematics-9	2 terms/1 credit Grade: 9 Fee: No
AAS: Mathematics-10	2 terms/1 credit Grade: 10 Fee: No
AAS: Mathematics-11	2 terms/1 credit Grade: 11 Fee: No
AAS: Mathematics-12	2 terms/1 credit Grade: 12 Fee: No
AAS: Science-9	2 terms/1 credit Grade: 9 Fee: No
AAS: Science-10	2 terms/1 credit Grade: 10 Fee: No
AAS: Science-11	2 terms/1 credit Grade: 11 Fee: No
AAS: Science-12	2 terms/1 credit Grade: 12 Fee: No
AAS: Social Studies-9	2 terms/1 credit Grade: 9 Fee: No
AAS: Social Studies-10	2 terms/1 credit Grade: 10 Fee: No
AAS: Social Studies-11	2 terms/1 credit Grade: 11 Fee: No
AAS: Social Studies-12	2 terms/1 credit Grade: 12 Fee: No

Required Non-Core Courses for Students on the AAS Pathway

Course Name	Length/Credit/Fee
AAS: Life Skills Career Preparedness	2 terms/1 credit Grade: 11 Fee: No
AAS: Life Skills Health	2 terms/1 credit Grade: 10 Fee: No
AAS: Life Skills	2 terms/1 credit Grade: 12 Fee: No
AAS: Prevocational	2 terms/1 credit Grade: 10 Fee: No
AAS: Vocational	2 terms/1 credit Grade: 11 Fee: No
AAS: Community Based Instruction (CBI)	2 terms/1 credit Grade: 12 Fee: No
Beginning Kinesiology*	2 terms/1 credit Grade: 9 Fee: No
AAS: Elective**	2 terms/1 credit Grade: 11 Fee: No

*Kinesiology is staffed with a certified Kinesiology teacher.

Elective courses that are only accommodated (not modified) are staffed with a certified elective teacher. Accommodated courses are the original course title (i.e., Art, FACS, etc.). Modified elective courses are titled 600... AAS Elective.

Additional Non-Required Available AAS Courses

Course Name	Length/Credit/Fee
AAS: Reading	2 terms/1 credit Grade: 11 Fee: No
Transition Services	2 terms/1 credit Grade: 10 Fee: No

AAS Super Seniors – Grades 13-15 (Optional)

Course Name	Length/Credit/Fee
AAS: Elective Beyond-1	2 terms/1 credit Grade: 13 Fee: No
AAS: Elective Beyond-2	2 terms/1 credit Grade: 14 Fee: No
AAS: Elective Beyond-3	2 terms/1 credit Grade: 15 Fee: No
AAS: Vocational Beyond-1	2 terms/1 credit Grade: 13 Fee: No
AAS: Vocational Beyond-2	2 terms/1 credit Grade: 14 Fee: No
AAS: Vocational Beyond-3	2 terms/1 credit Grade: 15 Fee: No
AAS: Community Based Instruction (CBI) Beyond-1	2 terms/1 credit Grade: 13 Fee: No
AAS: Community Based Instruction (CBI) Beyond-2	2 terms/1 credit Grade: 14 Fee: No
AAS: Community Based Instruction (CBI) Beyond-3	2 terms/1 credit Grade: 15 Fee: No
AAS: Life Skills Beyond-1	2 terms/1 credit Grade: 13 Fee: No
AAS: Life Skills Beyond-2	2 terms/1 credit Grade: 14 Fee: No
AAS: Life Skills Beyond-3	2 terms/1 credit Grade: 15 Fee: No
AAS: Mathematics Beyond-1	2 terms/1 credit Grade: 13 Fee: No
AAS: Mathematics Beyond-2	2 terms/1 credit Grade: 14 Fee: No
AAS: Mathematics Beyond-3	2 terms/1 credit Grade: 15 Fee: No
AAS: Reading Beyond-1	2 terms/1 credit Grade: 13 Fee: No
AAS: Reading Beyond-2	2 terms/1 credit Grade: 14 Fee: No
AAS: Reading Beyond-3	2 terms/1 credit Grade: 15 Fee: No

Career Technical Education (CTE)

Shelby County Career Technical Education offers programs that link core academics with careers projected to be in demand. Each program provides a rigorous and enriching curriculum and actively involves employers and post-secondary institutions. The goal is to ready students for both college AND career, while also providing them with a purpose for continued learning.

Each CTE program provides hands-on activities that require problem-solving and critical-thinking skills, including mathematics, science, and English. Also, they help students develop skills currently noted by business and industry as lacking in today's young workforce – such as customer service, teamwork, communication, and positive work ethic.

Students completing some CTE programs will have the opportunity to earn industry credentials that significantly enhance future career options. These credentials also provide an enriched foundation to facilitate advancement in post-secondary studies. Articulated post-secondary credit and/or dual enrollment options are available in some of the CTE programs.

A unique part of Career and Technical Education programs is the opportunity to participate in Career Technical Student Organizations (CTSOs). These are co-curricular components of each CTE course. They serve to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

All CTE programs offered by Shelby County are Industry Certified through a rigorous process of onsite reviews administered by the Alabama State Department of Education and local businesses.

Alabama Career and Technical Education programs and pathways are aligned with the 16 National Career Clusters.

Students who complete three (3) courses in the same pathway with a "C or better" average will attain Completer status which earns a College & Career Readiness Indicator (CCR).

Shelby County Career Clusters

Agriculture, Food and Natural Resources
Architecture and Construction
Arts, A/V Technology and Communications
Business Management and Administration
Education and Training
Finance
Government and Public Administration
Health Science
Hospitality and Tourism

Human Services
Information Technology
Law, Public Safety, Corrections and Security
Manufacturing
Marketing
Science, Technology, Engineering and Mathematics (STEM)
Transportation, Distribution and Logistics

NOTE: PROGRAMS AND COURSES VARY BY SCHOOL

Approved Career Technical Education Course Substitutions

The Career Technical Education courses listed below have been approved by the Alabama State Department of Education in the areas of math, science, health, and PE as additional courses that meet requirements for graduation. Substituted credit can only be counted for one credit area.

The following courses could fulfill a student's fourth credit in math and/or third and/or fourth credit in science; however, one computer science course may not be used to satisfy both science and mathematics credits:

- Computer Science Principles, AP (10019E1000)
- Computer Science A, AP (10157E1000)
- Introduction to Computer Science-TEALS (10012G1000)
- Introduction to Digital Literacy & Computer Science -- ACCESS (10011G1000)

The following Courses could fulfill a student's fourth credit in math:

- Applications of Engineering and Technology (21002G1000)
- Environmental Engineering (21014G1000)

Upon completion of biology and a "physical science" course, students may choose the following courses to potentially serve as their third and/or fourth credit in science:

- Chemistry of Food (19254G1001)* - similar content as Chemistry
Note: Chemistry of Food does not count as the "physical science" option.
- Food Safety & Microbiology (19254G1000)
- Forensic and Crime Scene Investigation (15055G1000)
- Human Body Structures (14299G1001)* - similar content as Human Anatomy and Physiology
- Introduction to Biotechnology (14252G1001)
- PLTW Principles of Engineering (21018G1000)

*A student may not receive science credit for a Career Technical Education course that duplicates credit already awarded in a science course.

The following courses will fulfill a health requirement:

- Foundations of Health Science (14002G1001)
- Family Wellness (19259G0500)

The following course will fulfill a Beginning Kinesiology requirement:

- JROTC

Revised 1/27/2023

Career Technical Education (CTE) Course Offerings

Work-based Learning

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Cooperative Education Work-Based Experience or any CTE Course (Can be a capstone course for all CTE programs)	1 term/1 credit 2 terms/2 credits Grades: 11-12 Fee: No	All High Schools
Prerequisite: <i>Career Preparedness/Teacher Approval</i>		
<i>Cooperative Education is a structured component of the Career and Technical Education (CTE) curriculum that integrates instruction with productive, progressive, supervised, work-based experiences through paid employment outside of school related to students' career objectives. Content is planned for students through a cooperative arrangement between the school and employer as a component of work-based learning. Students must work a minimum of 140 documented hours per semester in order to receive credit for the course.</i>		

Agriculture, Food and Natural Resources Cluster

This cluster prepares students for employment in career pathways that relate to the \$70 billion plus industry of agriculture. The mission of agriscience education is to prepare students for successful careers and a lifetime of informed choices in the global agriculture, food, fiber and natural resource industries. Extended learning experiences to enrich and enhance instruction are reinforced through learner participation in the Career and Technical Student Organization related to agriculture education. The National FFA organization (FFA) serves as the CTSO for this cluster. Additionally, project-based learning experiences, otherwise known as a Supervised Agriculture Experience (SAE) are an integral part of agriculture education.

General Agriscience Program

This program is designed to deliver a variety of agricultural disciplines which will provide students a general understanding of the scope of agriculture as it relates to the following areas: animal science, plant science, food science, forestry and wildlife sciences, agricultural construction and agricultural mechanics.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Fundamentals of Agriscience (Required Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	Montevallo HS Shelby County HS
<i>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. Students are involved in classroom and/or laboratory activities in each of the five pathway areas. Emphases of Fundamentals of Agriscience include introduction to agriculture, technology, National FFA, leadership, forestry, soils, wildlife, plants, aquaculture, animals, woodworking, welding, small engines, electricity, and plumbing. It is strongly recommended that Fundamentals of Agriscience be a prerequisite for all other Grades 9-12 courses in the cluster.</i>		
Intermediate Agriscience	2 terms/1 credit Grades: 9-12 Fee: Yes	Montevallo HS Shelby County HS
<i>Prerequisite: Fundamentals of Agriscience</i>		
<i>Intermediate Agriscience builds on basic understanding of the Plant Science, Environmental Science, Industrial Agricultural Technologies, and General Agriculture pathways within the Agriculture, Food and Natural Resources cluster. Students are involved in classroom and laboratory activities in each area. Intermediate Agriscience emphasizes plant systems, environmental systems, and industrial agricultural technologies.</i>		
Advanced Agriscience	2 terms/1 credit Grades: 9-12 Fee: Yes	Montevallo HS Shelby County HS
<i>Prerequisite: Fundamentals of Agriscience</i>		
<i>Advanced Agriscience provides students with an increased understanding of Animal Science, Industrial Agricultural Technologies, and General Agriculture, three of the five pathways of the Agriculture, Food, and Natural Resources cluster. Students are involved in classroom and laboratory activities in each area. Advanced Agriscience emphasizes animal science and industrial agricultural technologies.</i>		

Applied Agriscience	2 terms/1 credit Grades: 9-12 Fee: Yes	Montevallo HS Shelby County HS
<i>Prerequisite: Fundamentals of Agriscience</i>		
<i>Applied Agriscience provides students with an advanced understanding of Industrial Agricultural Technologies and General Agriculture, two of the five pathways in the Agriculture, Food, and Natural Resources cluster. Students are involved in classroom and laboratory activities in each pathway area. Applied Agriscience emphasizes metal fabrication and power mechanics. Students should be allowed ample time in the laboratory to utilize content in real-world applications.</i>		
Career Pathway Project in AFNR	2 terms/1 credit Grades: 11-12 Fee: Yes	Montevallo HS Shelby County HS
<i>Prerequisite: Successful Completion of Any 2 Courses in the AFNR Career Cluster</i>		
<i>Career Pathway Project (CPP) in Agriculture, Food, and Natural Resources is a capstone course designed for career and technical education students who have completed two or more courses in the AFNR 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 engage in an in-depth exploration of the area while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</i>		

Industrial Agriculture Program

This program is designed to provide students with a general understanding of agricultural power equipment and modern construction and building practices along with a basic understanding of metal fabrication and welding.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Fundamentals of Agriscience (Required Foundation Course)	2 terms/1 credit* 1 term/1 credit** Grades: 9-12 Fee: Yes	*Vincent HS **Career Technical Educational Center
<i>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. Students are involved in classroom and/or laboratory activities in each of the five pathway areas. Emphases of Fundamentals of Agriscience include introduction to agriculture, technology, National FFA, leadership, forestry, soils, wildlife, plants, aquaculture, animals, woodworking, welding, small engines, electricity, and plumbing. It is strongly recommended that Fundamentals of Agriscience be a prerequisite for all other Grades 9-12 courses in the cluster.</i>		
Construction Site Prep and Foundations	2 terms/1 credit* 1 term/ 1 credit** Grades: 9-12 Fee: Yes	*Vincent HS **Career Technical Educational Center
<i>Prerequisite: Fundamentals of Agriscience</i>		
<i>Construction Site Preparation and Foundations is designed to train students in procedures involved in the first phases of construction, including types of structures and their uses. Topics include career opportunities, safety, planning, location, layout, concrete and masonry, and foundations of various structures.</i>		

Construction Framing	2 terms/1 credit* 1 term/ 1 credit** Grades: 9-12 Fee: Yes	*Vincent HS **Career Technical Educational Center
<i>Prerequisite: Fundamentals of Agriscience</i>		
<i>Construction Framing provides students with an understanding of the framing phase of a structure, including framing components. Topics include career opportunities, safety, lumber, material estimation, floor systems, wall framing, ceiling framing, stair construction, roof framing, and roof materials in various structures.</i>		
Construction Finishing and Interior Systems	2 terms/1 credit* 1 term/ 1 credit** Grades: 9-12 Fee: Yes	*Vincent HS **Career Technical Educational Center
<i>Prerequisite: Fundamentals of Agriscience</i>		
<i>Construction Finishing and Interior Systems is designed to facilitate student understanding of the finishing phase of a structure. Students become familiar with both exterior and interior finishing of a structure. Topics include career opportunities, safety, windows, doors, plumbing, electrical wiring, insulation, wall coverings, storage, and finishes.</i>		
Career Pathway Project in AFNR	2 terms/1 credit* 1 term/ 1 credit** Grades: 11-12 Fee: Yes	*Vincent HS **Career Technical Educational Center
<i>Prerequisite: Successful Completion of Any 2 Courses in the AFNR Career Cluster</i>		
<i>Career Pathway Project (CPP) in Agriculture, Food, and Natural Resources is a capstone course designed for career technical education students who have completed two or more courses in the AFNR 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 engage in an in-depth exploration of the area while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</i>		

Architecture and Construction Cluster

In the Architecture and Construction cluster, course work leads to careers in drafting design; welding; electrical technology; heating, ventilation, air conditioning, and refrigeration (HVACR); carpentry; cabinetmaking; building construction; masonry; plumbing; utility line work; and pipefitting. Course content includes significant technical depth and incorporates engineering concepts and terminology. The Architecture and Construction cluster provides students with basic knowledge and skills within a safe and appropriate setting for student exploration and achievement. The active, structured, and stimulating environment simulates the workplace setting and enhances student ability to adapt to an ever-changing job market.

Construction Technology Program

Courses in the construction technology program will ground the trainee in the basic knowledge and principles of carpentry, cabinetmaking, masonry, concrete finishing, electrical work, HVAC, and plumbing. He or she will become skilled in different phases of a project from start to finish. Once completing this course, the student will be able to interpret construction drawings; perform quality concrete and brickwork; frame walls, ceilings, and floors of a structure; and install the proper wiring and piping for electrical, and plumbing systems. Emphasis is placed on job safety, use of hand tools and stationary power tools, materials and hardware, various types of joinery, and component assembly and installation. This program covers content such as Building Materials, Cabinet Fabrication, and Advanced Wall Systems. This program aligns with NCCER standards.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Architecture and Construction Foundations (Required Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	Calera HS
<i>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.</i>		
Residential Building	2 terms/1 credit Grades: 10-12 Fee: Yes	Calera HS
Prerequisite: Architecture & Construction Foundations		
<i>Residential Building is designed to familiarize students with the framing phase of building a structure and with framing components. Topics include floor systems, wall systems, ceiling joist and roof framing, roofing applications, and building envelope systems.</i>		
Safety and Health Regulations	2 terms/1 credit Grades: 9-12 Fee: Yes	Calera HS
<i>Safety and Health Regulations is designed to provide students with information on the importance of government and industry regulations as well as individual responsibilities for performing activities safely. Students identify common safety hazards found in the workplace and examine their own roles in minimizing and avoiding unsafe practices. Specific topics include flammable and combustible liquids, emergency egress and fire protection, electrical safety, environmental control, machine guarding, tool safety, first aid, hazard communication, personal protective equipment, walking and working surfaces, and material handling and storage.</i>		

CTE Lab in Architecture and Construction	2 terms/1 credit Grades: 11-12 Fee: Yes	Calera HS
<i>Prerequisite: Successful Completion of Any 2 Courses in the Architecture/Construction Career Cluster</i>		
<i>CTE Lab in Architecture and Construction is designed to enhance the student's general understanding and mastery of the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.</i>		
Career Pathway Project - Architecture and Construction	2 terms/1 credit Grades: 11-12 Fee: Yes	Calera HS
<i>Prerequisite: Successful Completion of Any 2 Courses in the Architecture/Construction Career Cluster</i>		
<i>Career Pathway Project in Architecture and Construction is a capstone course designed for students who have completed two or more Career and Technical Education credits in the Architecture and Construction Career Cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent-learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</i>		

Design Technology Program

Courses in the drafting program are designed to enable students to pursue a successful career in an architectural, engineering, or industrial field. Students learn technical, mechanical drafting, and computer-aided drafting.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Technical Design Communications I (Required Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	Chelsea HS
<i>Technical Design Communications I presents a variety of fundamental skills utilized in entry-level computer-aided design (CAD) positions. Students use CAD technology and technical drawing fundamentals to produce various designs, working drawings, charts, forms, and records. This class emphasizes creativity, visualization, critical thinking, and problem-solving. Topics include blueprints, sketching, measurement, basic two-dimensional drawing skills and sheet layout, CAD skills, annotation and dimensioning, and plotting.</i>		
Architectural Design Fundamentals	2 terms/1 credit Grades: 9-12 Fee: Yes	Chelsea HS
<i>Prerequisite: Technical Design Communications I</i>		
<i>Architectural Design Fundamentals introduces students to the foundational terminology, concepts, and principles of the architectural design field. Emphasis is placed on creating basic residential architectural construction drawings including floor plans, electrical plans, foundation plans, wall sections, roof designs, and elevations.</i>		

Architectural Building Information Modeling I (BIM)	2 terms/1 credit Grades: 10-12 Fee: Yes	Chelsea HS
<i>Prerequisite: Architectural Design Fundamentals</i>		
<i>Architectural Building Information Modeling (BIM) I builds on Architectural Design Fundamentals to present more complex design considerations and construction drawings, including residential floor plans, plumbing plans, HVAC plans, site plans, and stair layout. Topics include design processes and fundamentals; residential construction BIM; sections, details, and schedules; residential site plans, rendering and title sheet; and construction set printing. This course aims to enable students to design and create presentations of residential house plans.</i>		
Career Pathway Project - Architecture and Construction	2 terms/1 credit Grades: 11-12 Fee: Yes	Chelsea HS
<i>Prerequisite: Successful Completion of Any 2 Courses in the Architecture/Construction Career Cluster</i>		
<i>Career Pathway Project in Architecture and Construction is a capstone course designed for students who have completed two or more Career and Technical Education credits in the Architecture and Construction Career Cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent-learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</i>		

Plumbing Program

Most people are familiar with plumbers who come to their home to unclog a drain or install an appliance. In addition to these activities, however, plumbers install, maintain, and repair many different types of pipe systems. For example, some systems move water to a municipal water treatment plant and then to residential, commercial, and public buildings. Other systems dispose of waste, provide gas to stoves and furnaces, or supply air conditioning. Pipe systems in power plants carry the steam that powers huge turbines. Pipes also are used in manufacturing plants, such as wineries, to move material through production processes. This program utilizes NCCER's four-level curriculum that covers topics such as Plumbing Tools, Types of Valves, and Potable Water Treatment.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Architecture and Construction Foundations (Required Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	Calera HS
<i>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.</i>		
Plumbing Systems	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Architecture & Construction Foundations</i>		
<i>Plumbing Systems provides instruction regarding plumbing materials, tools, supplies, equipment, and methods of installation for plastic pipes. Topics include safety, calculations, drawings, fixtures; drainage, waste, and vent systems; and water distribution systems. This course aims to enable students to join various pipes and fittings; make plumbing repairs; test drain, waste, and vent (DWV) piping; and install plumbing fixtures.</i>		

Plumbing and Pipefitting	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Plumbing Systems</i>		
<i>Plumbing and Pipefitting provides instruction regarding installation of pipe, drains, fixtures, and fittings using cast iron, copper, and stainless steel pipes. Emphasis is placed on installing and testing water supply and drain lines, supporting pipes, and using fire-resistant materials in plumbing systems.</i>		
CTE Lab in Architecture and Construction	1 term/1 credit Grades: 10-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Successful Completion of Any 2 Courses in the Architecture/Construction Career Cluster</i>		
<i>CTE Lab in Architecture and Construction is designed to enhance the student's general understanding and mastery of the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.</i>		
Career Pathway Project - Architecture and Construction	1 term/1 credit Grades: 11-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Successful Completion of Any 2 Courses in the Architecture/Construction Career Cluster</i>		
<i>Career Pathway Project in Architecture and Construction is a capstone course designed for students who have completed two or more Career and Technical Education credits in the Architecture and Construction Career Cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent-learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</i>		

Welding Program

Welding is a highly skilled industry that can take you places all over the world. From ladders to aircraft carriers, from NASCAR to national defense, and from the laboratory to sales and repair, the varied welding industry impacts virtually every industry. Technology is creating more uses for welding in the workplace. For example, new ways are being developed to bond dissimilar materials and non-metallic materials, such as plastics, composites, and new alloys. Also, advances in laser beam and electron beam welding, new fluxes, and other new technologies and techniques all point to an increasing need for highly trained and skilled workers. This program utilizes NCCER's four-level curriculum covering topics such as Oxy-fuel Cutting, Welding Symbols, and Stainless-Steel Groove Welds. NCCER's curriculum also correlates to the AWS standards and guidelines for an Entry Welder.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Architecture and Construction Foundations (Required Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	Calera HS
<i>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.</i>		

Welding: SMAW I	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Architecture & Construction Foundations</i>		
<i>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.</i>		
Welding: GMAW and FCAW	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Architecture & Construction Foundations</i>		
<i>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.</i>		
CTE Lab in Architecture and Construction	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Successful Completion of Any 2 Courses in the Architecture/Construction Career Cluster</i>		
<i>CTE Lab in Architecture and Construction is designed to enhance the student's general understanding and mastery of the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.</i>		
Career Pathway Project - Architecture and Construction	1 term/1 credit Grades: 11-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Successful Completion of Any 2 Courses in the Architecture/Construction Career Cluster</i>		
<i>Career Pathway Project in Architecture and Construction is a capstone course designed for students who have completed two or more Career and Technical Education credits in the Architecture and Construction Career Cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent-learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</i>		

Arts, A/V Technology and Communications Cluster

The Arts, Audio-Video Technology, and Communications cluster engages students in challenging curricula where they are able to develop technical skills in the areas of graphic arts, television production, animation, advertising design, and commercial photography within a safe and innovative setting. Students who choose to complete a pathway in this cluster have the ability to comprehend course materials and complete laboratory work, projects, and assignments related to the cluster. Courses in this cluster provide students with the knowledge and skills for further education and for employment. Students use current and emerging technology, observe modeling and mastery of competencies, and develop and apply skills required for success in their chosen fields. Students work together to build a community of learning where their ideas become a source of learning.

Advertising Design Program

Advertising Design provides students with orientation experiences and laboratory safety for working in an advertising design studio environment. Topics of study include art history, art production, art criticism, design elements and principles, and materials and media utilized in the field of visual communication. Emphasis is placed on related academic skills. Instruction also includes information regarding various computer operations, applications and procedures, type styles, desktop publishing, layout and design techniques, mechanical production files, formats, and technology in the workplace.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Introduction to Advertising Design (Required Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	Helena HS
<i>Introduction to Advertising Design is a one-credit course that provides students with orientation experiences and laboratory safety for working in an advertising design studio environment. Topics of study include art history, art production, art criticism, design elements and principles, and materials and media utilized in the field of visual communication. Particular emphasis is placed on related academic skills. Successful completion of this course prepares students for the next course in the Advertising Design program, Digital Design. This course or an equivalent visual arts credit is a prerequisite for other courses in the Advertising Design program.</i>		
Digital Design	2 terms/1 credit Grades: 9-12 Fee: Yes	Helena HS
<i>Prerequisite: Introduction to Advertising Design</i>		
<i>Digital Design is a one-credit course designed for students who have successfully completed the Introduction to Advertising Design course or have completed one credit in Visual Arts. Digital Design provides students with hands-on experiences addressing a variety of components of information design. Instruction includes information regarding various computer operations, applications and procedures, type styles, desktop publishing, layout and design techniques, mechanical production files, formats, and technology in the work place. Skills gained in this course prepare students for the Graphic Illustration course, the next level of study in the Advertising Design program.</i>		
Foundations of Arts, A/V Technology and Communication	2 terms/1 credit Grades: 9-12 Fee: Yes	Helena HS
<i>Foundation of Arts, Audio-Video Technology, and Communication is a one-credit course designed to introduce students to the areas of advertising design, animation, commercial photography, graphic arts, and television production. Classroom, laboratory, and real-world experiences promote teamwork, leadership, and further opportunities for application of knowledge and skills.</i>		

Graphic Illustration	2 terms/1 credit Grades: 9-12 Fee: Yes	Helena HS
<i>Prerequisite: Digital Design</i>		
<i>Graphic Illustration is a one-credit course that provides students with experiences and instruction in object and information design. Students apply the elements of design and sharpen visual communication skills. They design projects that allow them to manipulate graphic applications and demonstrate mastery of these skills. Topics of study include interior design, fashion illustrations, computer and hand drawings, exploration of software, package design, typography, and digital photography. Skills developed in these areas prepare students for the final course in the sequence, Studio and Portfolio. Digital Design is the prerequisite for Graphic Illustration.</i>		
Senior Career Pathway Project – Arts, A/V Tech & Communications	2 terms/1 credit Grades: 9-12 Fee: Yes	Helena HS
<i>Prerequisite: Successful Completion of Any 2 Courses in the Arts, A/V Tech & Communications Career Cluster</i>		
<i>Senior Career Pathway Project (SCPP) is a capstone course designed for career and technical education students who have completed two or more career and technical education courses. 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 engage in an in-depth exploration of the area while demonstrating problem-solving, decision-making, and independent-learning skills. The SCPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</i>		

Animation Program

Animation introduces students to the animation industry. Emphasis is placed on safety in a laboratory and studio environment. Students apply the principles of animation to visually communicate thoughts, feelings, and ideas. Topics of study include animation history, criticism, production, and materials and media utilized in the field.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Introduction to Animation and Visual Communication (Required Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
<i>Introduction to Animation and Visual Communication is a one-credit course that introduces students to the animation industry. Emphasis is placed on safety in a laboratory and studio environment. Students apply the principles of animation to visually communicate thoughts, feelings, and ideas. Topics of study include animation history, criticism, production, and materials and media utilized in the field. Successful completion of this course prepares students for subsequent courses in animation.</i>		
Foundations of Arts, A/V Technology and Communication	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
<i>Foundation of Arts, Audio-Video Technology, and Communication is a one-credit course designed to introduce students to the areas of advertising design, animation, commercial photography, graphic arts, and television production. Classroom, laboratory, and real-world experiences promote teamwork, leadership, and further opportunities for application of knowledge and skills.</i>		

Animation Character Development and Design	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
<i>Prerequisite: Intro to Animation & Visual Communication</i>		
<i>Animation Character Development and Design is a one-credit course that provides students with the opportunity to develop and design animated characters. Emphasis is placed on anatomy, film archetypes and stereotypes, figure drawing, and costume design. Skills gained in this course prepare students for the Character Animation course, postsecondary education, and entry-level careers in character design.</i>		
Advanced Animation Portfolio	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
<i>Prerequisite: Intro to Animation & Visual Communication</i>		
<i>Advanced Animation Portfolio is a one-credit course that provides students with the opportunity to produce portfolio-quality animation utilizing a variety of techniques. Students critique, judge, and revise previous animation that will be assembled into a final portfolio. Instruction allows students to focus on safety, studio projects, portfolio organization, and employment skills. Students are encouraged to participate in a variety of local, state, and national contests as well as to present their projects to industry professional and postsecondary educators. Successful completion of this course prepares students for postsecondary education and entry-level positions in animation or related fields.</i>		

Television Production Program

Television Production provides students with a basic overview of television production skills and professions. Students participate in classroom and laboratory activities regarding all aspects of television performance, production, and operations. Students are also exposed to a variety of real-world learning opportunities through laboratory experiences in photography and editing. Students perform specialized roles in a regularly scheduled television program to include Television Production—Writing, Producing, and Performing, and Television Production—Studio Operations.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Introduction to Television Production (Required Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
<i>A one-credit course that provides students with knowledge of television production skills and operations. Students participate in classroom and laboratory experiences in television performance, production, and operations.</i>		
Foundations of Arts, A/V Technology and Communication	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
<i>Foundation of Arts, Audio-Video Technology, and Communication is a one-credit course designed to introduce students to the areas of advertising design, animation, commercial photography, graphic arts, and television production. Classroom, laboratory, and real-world experiences promote teamwork, leadership, and further opportunities for application of knowledge and skills.</i>		
Television Production - Studio Operations	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
<i>Prerequisite: Introduction to Television Production</i>		
<i>Television Production—Studio Operations is a one-credit course that provides students with opportunities to participate in real-world laboratory experiences. They perform specialized roles in a regularly scheduled television program with students specializing in Television Production—Writing, Producing, Performing; Photography and Editing. A school-based television studio is required for this course.</i>		

Advanced Television Production	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
<i>Prerequisite: Introduction to Television Production and Television Production - Studio Operations</i>		
<p><i>Advanced Television Production is a one-credit course that provides students with the opportunity to create and market video productions. Students work independently or in groups to create special long-term projects. Students who successfully complete this course are prepared for further study at the college level or for entry-level positions in the television, film, and communications industry. The prerequisite courses for Advanced Television Production are Introduction to Television Production and at least one of the Television Production Courses: Television Production—Writing, Producing, and Performing; Television Production—Studio Operations; or Television Production—Photography and Editing.</i></p>		

Business Management and Administration Cluster

Business Information Technology Program

This program is for students who are interested in pursuing careers in business information technology. Courses provide an overview of career opportunities, which are available in every sector of the economy and require specific skills in basic computer programming, print and digital media, information management, and other effective uses of technology.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Business Software Applications I (Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Business Software Applications I emphasizes the skills required to create, edit, and publish industry-appropriate documents. Areas of instruction include the integration of word processing, desktop publishing, spreadsheets, database management, and presentation software as well as the use of emerging technologies. Competencies for the co-curricular student organizations, DECA and Future Business Leaders of America (FBLA-PBL), are also embedded in this course. Students will have the opportunity to gain industry-recognized credentials to document basic computer skills needed for future education or employment.</i>		
Business Essentials (Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Business Essentials provides an overview of business skills required for today's business world. The course includes types of business ownership, laws and regulations, principles of business management, and analysis of business practices in light of ethical and social responsibilities. Emphasis is placed on skills needed for success in the workplace, managing resources to achieve company goals, and the impact of financial decisions on a business.</i>		
Business Software Applications II	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
Prerequisite: <i>Career Preparedness OR Business Software Applications I</i>		
<i>Business Software Applications II focuses on advanced word processing and spreadsheet and database management skills using current and emerging integrated technology. These skills include a variety of input technologies in the production of professional quality business documents and reports. Performance and production skills for the co-curricular student organizations, DECA and Future Business Leaders of America (FBLA-PBL), are embedded in this course. Students will also have the opportunity to gain industry-recognized credentials to document advanced computer skills needed for future education or employment plans.</i>		
Digital Media Design	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
Prerequisite: <i>Career Preparedness OR Business Software Applications I</i>		
<i>Digital Media Design provides a creative, hands-on environment in which students collaborate to produce a variety of digital media projects. Students use various hardware, peripherals, software, and web-based tools to learn skills involving graphic design, digital photography, web design, and digital video production. Additionally, the standards are designed for students to engage in critical thinking skills and practice appropriate behavior in the use of technology.</i>		

Digital Publications Design	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Prerequisite: Career Preparedness OR Business Software Applications I</i>		
<i>Digital Publications Design gives students marketable experience in both print and digital publishing. Emphasis is placed on page layout and design, computerized text, graphic art, digital photography, and the use of software to create a variety of publications.</i>		
Introduction to Computer Science - TEALS	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Introduction to Computer Science-TEALS is a one-credit, engaging course that explores a variety of basic computational thinking and programming concepts through a project-based learning environment. Every unit culminates in a comprehensive project and roughly 75% or student time is spent building projects and practicing the skills they are learning. Can be used to satisfy a math credit or a 3rd or 4th science credit.</i>		
AP Computer Science Principles	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Prerequisite: Algebra I/Teacher Recommended</i>		<i>AP Exam: \$94 approx.</i>
<i>AP Computer Science Principles is a college-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for computer science. This course focuses on innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives and introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the internet, cybersecurity concerns, and computing impacts. This course fulfills a math or science requirement.</i>		
AP Computer Science A	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Prerequisite: Algebra I/Teacher Recommended</i>		<i>AP Exam: \$94 approx.</i>
<i>AP Computer Science A is 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. This course fulfills a math or science requirement.</i>		
Career Pathway Project in Business Management and Administration	2 terms/1 credit Grades: 10-12 Fee: Yes	All High Schools
<i>Prerequisite: Two or More Credits from the Same Pathway in the Business Management and Administration Career Cluster</i>		
<i>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 educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</i>		

Management Program

This program is for students who are interested in pursuing careers in management. Courses provide an overview of career opportunities, which are available in every sector of the economy and require specific skills that plan, organize, direct, and evaluate all or part of a business organization through allocation and use of financial, human and material resources, and effective use of technology.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Business Software Applications I (Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Business Software Applications I emphasizes the skills required to create, edit, and publish industry-appropriate documents. Areas of instruction include the integration of word processing, desktop publishing, spreadsheets, database management, and presentation software as well as the use of emerging technologies. Competencies for the co-curricular student organizations, DECA and Future Business Leaders of America (FBLA-PBL), are also embedded in this course. Students will have the opportunity to gain industry-recognized credentials to document basic computer skills needed for future education or employment.</i>		
Business Essentials (Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Business Essentials provides an overview of business skills required for today's business world. The course includes types of business ownership, laws and regulations, principles of business management, and analysis of business practices in light of ethical and social responsibilities. Emphasis is placed on skills needed for success in the workplace, managing resources to achieve company goals, and the impact of financial decisions on a business.</i>		
Customer Service and Sales	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Customer Service and Sales is designed to provide instruction on basic principles of customer service and selling. This course focuses on the identification and classification of customer services, technology literacy issues related to customer service, and the human relations, leadership, organizational, and communication skills necessary for success in customer service. In addition, this course offers instruction related to selling and sales, including professional sales, sales presentations, types of compensation, and characteristics and traits associated with successful selling.</i>		
Entrepreneurship	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<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.</i>		
Event Planning and Management	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Event Planning and Management is designed for students interested in learning to create and present gatherings for groups of people to enjoy or attend for corporate goals or individual benefits. The course emphasizes the many facets of this multi-billion-dollar industry, including site selection, financial management, time management, promotion, and catering. Students will organize, plan, and evaluate various meetings and events such as conferences, sporting events, weddings, and workshops.</i>		

Foundations of Business Leadership	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Foundations of Business Leadership focuses on the exploration of leadership and management to determine the impact of management practices on business and industry, management of expectations regarding legal and ethical behavior, and investigation of how resources are managed to achieve company goals. Standards are designed to emphasize principles of sound business management and analysis of business practices to determine ethical and social responsibilities.</i>		
Hospitality Management and Marketing	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Hospitality Management and Marketing emphasizes skills needed for ownership, management, or employment in the growing hospitality and tourism industry. Standards are designed to develop a leadership perspective about social, environmental, economic, legal, human resource, customer relations, and consumer factors impacting the hospitality industry. The course also focuses on the marketing aspect of hospitality and tourism, including sales, promotions, advertising, and public relations.</i>		
Career Pathway Project in Business Management and Administration	2 terms/1 credit Grades: 10-12 Fee: Yes	All High Schools
Prerequisite: <i>Two or More Credits from the Same Pathway in the Business Management and Administration Career Cluster</i>		
<i>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 educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</i>		

Education and Training Cluster

This cluster prepares high school students for careers in the education and training field in three pathway areas: Administration and Professional Support Services, Early Childhood Education, and Teaching and Training. Rigorous instruction is provided to equip students with knowledge and skills needed in preparation for credentials, articulated credit, and/or further education.

Teaching and Training Program

This 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.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Education and Training (Required Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	Shelby County HS
<i>Education and Training is a one-credit course. This course is the prerequisite for all pathways included in the Education and Training cluster. The course is designed for students who are interested in pursuing careers in education. Course content includes the organizational structure of education, careers, the role of the teacher, characteristics of effective teachers, communication skills, the teaching and learning processes, learning styles, research, characteristics of positive classroom environments, human growth and development, curriculum development, student characteristics, teaching techniques, learning activities, educational initiatives, technology, and careers. Observational experiences are a required component of this course.</i>		
Teaching I	2 terms/1 credit Grades: 9-12 Fee: Yes	Shelby County HS
<i>Teaching I is a one-credit course. The prerequisite for this course is Education and Training. Content includes information to help students implement the teaching and learning processes. Major topics are funding sources, budget preparations, legal aspects, research, teaching and learning theories, curriculum development, positive learning environments, creative teaching techniques, appropriate learning activities, instructional resources, community resources and services, scope and sequence charts, course outlines, lesson plans, testing, grading, developing partnerships, technology, and careers. School-based laboratory experiences are essential for students to develop skills in teaching. Observational experiences are a required component of this course.</i>		
Teaching II	2 terms/1 credit Grades: 9-12 Fee: Yes	Shelby County HS
Prerequisite: Teaching I		
<i>Teaching II is a one-credit course. Content provides students with advanced knowledge and skills used in the education field. Concepts of legal aspects of education, instructional resources, motivation, types of assessments, constructing texts, positive learning environments, lesson planning and teaching for various areas and grades, reading level of instructional materials, classroom management strategies, partnerships, public relations, professional associations, technology, and careers are included in the course. Observational experiences are a required component of this course.</i>		

Education and Training Internship	2 terms/1 credit Grades: 9-12 Fee: Yes	Shelby County HS
<i>Prerequisite: Teaching II, Early Childhood Education II, Professional Support Services in Education</i>		
<p><i>Education and Training Internship is a one-credit course. Students who have completed Teaching II, Early Childhood Education II, Professional Support Services in Education, or Educational Leadership courses are eligible to enroll in Education and Training Internship. The internship course is for students who are interested in pursuing careers in the education field. The internship allows students to spend time in a classroom or school setting on a regular basis with a teacher within the school system who teaches the subject-matter area of interest to the student intern, a staff member in the appropriate professional support services area, or a principal or vice-principal. This course provides students with a context in which they can make a personal assessment of their commitment to pursue a teaching, professional support services, or educational leadership career. The school-based laboratory for the internship is an actual classroom or school that provides instruction in the subject-matter area or career area related to the student's interest.</i></p>		
Career Pathway Project - Education and Training	2 terms/1 credit Grades: 9-12 Fee: Yes	Shelby County HS
<i>Prerequisite: Successful Completion of Any 2 Courses in the Education and Training Career Cluster</i>		
<p><i>Senior Career Pathway Project (SCPP) is a capstone course designed for career and technical education students who have completed two or more career and technical education courses. 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 engage in an in-depth exploration of the area while demonstrating problem-solving, decision-making, and independent-learning skills. The SCPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education. During the SCPP the student works with his or her coordinating teacher, academic teachers, and with a product or process mentor who has expertise in the student's field of study. At the conclusion of the SCPP, the student presents or demonstrates knowledge gained to an audience consisting of the coordinating teacher, academic teachers, the product or process mentor, peers, and community and business representatives.</i></p>		

Finance Cluster

In the Finance Cluster, students choose one of three pathways—Accounting, Financial Management, or Insurance. Courses include specific content standards that delineate what students should know and be able to do at the end of each course. It is recommended that students complete one of the four foundational courses (Business Communications, Business Software Applications I, Personal Finance, or Career Preparedness) before entering a specific pathway within the Finance Cluster.

Financial Management Program

This program is for students who are interested in pursuing careers in finance. Courses provide an overview of career opportunities, which are available in every sector of the economy and require individuals working in finance to have strong computational, analytical, and interpersonal skills and effective use of technology.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Business Communications (Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Business Communications focuses on how employees and management interact with each other and with groups and individuals outside the organization to reach organizational goals, objectives, and activities. This course emphasizes oral, written, and digital communication techniques, and content is designed to encourage exploration of business ethics, teamwork, conflict resolution, and leadership skills. Content standards require the use of presentation and word processing software to create business communications. Standards require proficiency in producing documents and multimedia presentations.</i>		
Business Software Applications I (Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Business Software Applications I emphasizes the skills required to create, edit, and publish industry-appropriate documents. Areas of instruction include the integration of word processing, desktop publishing, spreadsheets, database management, and presentation software as well as the use of emerging technologies. Competencies for the co-curricular student organizations, DECA and Future Business Leaders of America (FBLA-PBL), are also embedded in this course. Students will have the opportunity to gain industry-recognized credentials to document basic computer skills needed for future education or employment.</i>		
Personal Finance (Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Personal Finance is a foundational course that introduces students to the principles of financial literacy for achieving personal goals. This course is designed to inform students about how the choices they make directly influence their occupational goals, future earning potential, and long-term financial well-being. Content provides opportunities for students to explore consumer behavior, legislation, consumer protection, consumer rights and responsibilities, financial decision-making, advertising and promotional techniques, individual and family money management, banking services, use of credit, income tax, and technology.</i>		
Business Finance	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Business Finance is designed to provide students with an overview of business financial matters. The content focuses on the business environment, economics, accounting procedures, and developing a business plan. Students will gain knowledge of business management, accounting, and investment.</i>		

Economics and Financial Services	2 terms/1 credit Grades: 10-12 Fee: Yes	All High Schools
<i>Economics and Financial Services presents basic topics in economics, including the principles and practices of banking, credit, and consumer lending in the United States. Additional emphasis is placed on money management, economic growth and stability, and characteristics of different economic systems and financial institutions. The course includes the major functions of banks and other financial intermediaries, central banking and the Federal Reserve System, and current trends in the finance industry, credit functions, principles of credit risk evaluation, loan creation, debt collection, and stocks and bonds.</i>		
Entrepreneurship	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<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.</i>		
Fundamentals of Financial Management	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Fundamentals of Financial Management introduces students to a wide range of accounting, finance, and management concepts and skills, focusing on financial analysis that supports economic decision-making in business. The course provides core content applicable to all businesses and enables students to acquire a deep, practical understanding of all aspects of financial management.</i>		
Career Pathway Project in Finance	2 terms/1 credit Grades: 11-12 Fee: Yes	All High Schools
<i>Prerequisite: Two or More Credits from the Same Pathway in the Finance Career Cluster</i>		
<i>Career Pathway Project (CPP) in Finance is a capstone course designed for students who have earned two or more credits from the same pathway in the Finance Career Cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent learning skills.</i>		

Government and Public Administration Cluster

The aim of the JROTC program is to help students become better and more productive citizens, make them aware of the value of community service, and inform them of military mission, history, and opportunities. JROTC promotes citizenship through commitment and responsibility, increases awareness of military opportunities, encourages academic excellence and student body leadership, and gives students special insight into the latest technological advances. JROTC I can serve as Career Preparedness; PE Life; JROTC II can serve as PE Life. Embedded credit may vary by school.

Army JROTC Program

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

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Army JROTC I	2 terms/1 credit Grades: 9-12 Fee: Yes for II, III, IV No Fee for I	Vincent HS
Army JROTC II		
Army JROTC III		
Army JROTC IV		
<i>A student may take 1, 2, 3, or 4 years as an elective credit in sequence. This course may also be substituted for the required physical education credit. Academic topics include military history, geography/map reading, principles of leadership, physical wellness, responsible citizenship, individual financial planning, and army organization and structure. Leadership topics include communication skills, understanding individual and group behavior, leadership theory, personnel management, responsible citizenship, drill and ceremonies, and planning one's future. Curriculum-in-action trips to civilian and military facilities are offered to students. The course has specific dress and grooming standards as well as the requirements to wear the Army uniform one day each week for students enrolled in the course.</i>		

Health Science Cluster

Shelby County offers programs in Health Science that introduce students to the healthcare system, assist students in making realistic career decisions, develop students' leadership skills, and prepare students for acceptance in a post-secondary healthcare education program. It is critical that students prepare for careers in health sciences to meet the increasing and changing demands within the biomedical industry. Students in these programs must achieve academic goals and meet the expectations of business and industry. This cluster encompasses integrated academics and technology and includes a variety of course selections with materials relevant to the 21st Century. Programs emphasize the importance of project, service, and work-based learning experiences. Students have unique, hands-on opportunities to participate in healthcare profession partnerships. Because of legalities, liabilities, and responsibilities of professional healthcare workers and patient rights, students will not be assigned to the clinical experiences contained within courses until they are considered competent in basic skills in their chosen health area as determined by the classroom instructor.

Health Science Program

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

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Foundations of Health Science (Required Foundation Course)	2terms/1 credit** 1 term/1 credit* Grades: 9-12 Fee: Yes	**Calera HS **Helena HS **Chelsea HS *Career Technical Educational Center
<i>Health Science Foundations 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 healthcare delivery system in the twenty-first century. This course is the prerequisite for all the health science courses. It is recommended for all students who want to prepare for further study in an array of health-related fields at the postsecondary level. This course fulfills the health requirement. Sports Medicine Fundamentals can be substituted for this foundation course.</i>		

OR

Sports Medicine Fundamentals (Required Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	Helena HS
<i>Sports Medicine Fundamentals is a one-credit course that will provide an overview of the field of sports medicine as well as expose students to fundamental skills. The importance of legal and ethical concerns will be emphasized. Students will learn about career opportunities, medical terminology, safety, assessment and emergency preparedness in sports medicine. This course fulfills the health requirement. This course can be substituted for Foundations of Health Science as the foundation course.</i>		

Diagnostic Services	1 term/ 1 credit Grades: 9-12 Fee: Yes	Calera HS
<i>Prerequisite: Foundations of Health Science or Sports Medicine Fundamentals</i>		
<i>Diagnostic Services is a one-credit course designed to inform students of the rapid changes in business and industry by offering a rigorous array of course work and work-based experiences to help prepare them for advanced learning and a wide range of health career opportunities. This course is designed to provide flexibility to meet healthcare demands in the community. Students are introduced to careers in diagnostic services including, but not limited to, electrocardiograph technician, medical laboratory technologist, radiography technician, pathologist, cardiovascular technician, and others.</i>		
Exercise Prescription Physiology	2 terms/1 credit Grades: 9-12 Fee: Yes	Helena HS
<i>Prerequisite: Foundations of Health Science or Sports Medicine Fundamentals</i>		
<i>This is a one-credit course that provides an overview of the principles of exercise testing and prescription based on current practices in physical education, physiology, and rehabilitation for normal, healthy individuals, and special populations. Course is designed to provide students with a basic understanding of laboratory and field assessment techniques used in exercise physiology, fitness and wellness facilities, and clinical situations. Instruction provided on the measurement and evaluation of muscular strength, anaerobic and aerobic fitness, cardiovascular and respiratory function, flexibility, and body composition.</i>		
Forensic Science and Crime Scene Investigation	2terms/1 credit** 1 term/ 1 credit* Grades: 9-12 Fee: Yes	**All High Schools *Career Technical Educational Center
<i>Prerequisite: Biology, a Physical Science, Geometry with Data Analysis, Algebra I with Probability</i>		
<i>Forensic Science and Crime Scene Investigation teaches students to apply chemistry, physics, and biology to a suspect, a criminal act or behavior, or a victim. This course prepares students in two distinct concentrations. The Forensic Science portion focuses on working in a crime lab setting as a forensic scientist or technician. Crime Scene Investigations covers the application of the scientific method at a crime scene, including scene processing and the identification and collection of evidence. This course can serve as an 11th or 12th grade credit in science.</i>		
Health Science Internship	1 term/1 credit 2terms/2 credits* Grades: 9-12 Fee: Yes	*Calera HS *Chelsea HS *Helena HS *Career Technical Educational Center
<i>Prerequisite: Foundations of Health Science or Sports Medicine Fundamentals</i>		
<i>Health Science Internship includes a variety of knowledge and skills necessary for becoming a healthcare worker or for preparing students for postsecondary health care education programs. Health Science Internship is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory, or other healthcare facility. Theory and laboratory components comprise at least ten percent of the Health Science Internship course.</i>		
Human Body Structures and Functions	1 term/ 1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>A one-credit course designed to help students learn core content that emphasizes the structure and functions of cells, tissues, organs, organization of the human body systems, and medical terminology. Scientific processes, problem-based learning, and critical thinking are integral parts of the course. This course can serve as an 11th or 12th grade credit in science.</i>		

Introduction to Biotechnology	1 term/ 1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>A one-credit course designed to provide an overview of the biotechnology field. This advanced senior-level course emphasizes skill development, application of scientific concepts of biomedical research and development, Mendelian genetics, gene structure and function, inheritance patterns, genetic abnormalities, and the human genome project. This course can serve as an 11th or 12th grade credit in science.</i>		
Kinesiology and Biomechanics	2 terms/1 credit Grades: 9-12 Fee: Yes	Helena HS
<i>Prerequisite: Foundations of Health Science or Sports Medicine Fundamentals</i>		
<i>Kinesiology & Biomechanics is a one-credit course that provides an overview of the field of kinesiology and biomechanics, as well as exposes students to fundamental skills involved in a sports medicine healthcare setting. Students will learn about the musculoskeletal anatomy of the human body, as well as the mechanical properties and structural behavior of the different body tissues. This course will introduce students to concepts of mechanics as they apply to human movement, particularly those pertaining to exercise, sport, and physical activity. Topics covered in this class will include structural and functional relationships in musculoskeletal tissues, application of stress and strain analysis to biological tissues, analysis of forces in human movement and function, and introduction to viscoelasticity of tissues.</i>		
Medical Terminology	2 terms/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Foundations of Health Science or Sports Medicine Fundamentals</i>		
<i>Medical Terminology is a course designed for students to develop healthcare-specific knowledge for a career in the medical field. The course uses an integrated approach for teaching the language by incorporating medical terminology with anatomy and physiology and the disease process.</i>		
Operating Room Foundations	2 terms/1 credit Grades: 9-12 Fee: Yes	Chelsea HS
<i>Prerequisite: Foundations of Health Science</i>		
<i>Operating Room (OR) Foundations is a one-credit course that introduces students to the exciting and dynamic world of the operating room. This course exposes students to an array of multidisciplinary specialties and concepts within perioperative services, with content focused on the knowledge and skills needed by workers to promote patient safety and optimize surgical outcomes.</i>		
Sports Medicine Intermediate	2 terms/1 credit Grades: 9-12 Fee: Yes	Helena HS
<i>Prerequisite: Foundations of Health Science or Sports Medicine Fundamentals</i>		
<i>Sports Medicine Intermediate is a course that teaches fundamental skills to include therapeutic exercise regimens within the field of sports medicine. Students will explore the study of sports medicine and the relationship to risk management and injury prevention. Students will demonstrate an understanding of anatomy and physiology, with emphasis on the musculoskeletal system. The importance of health promotion, wellness, injury and disease prevention will be emphasized. Students will examine sports medicine facilities, policies, procedures, and protocols utilized in patient care.</i>		

Sports Medicine Advanced	2 terms/1 credit Grades: 9-12 Fee: Yes	Helena HS
<i>Prerequisite: Foundations of Health Science or Sports Medicine Fundamentals & Sports Medicine Int.</i>		
<i>Sports Medicine Advanced is a course with strong emphasis on musculoskeletal injuries as well as the psychological and sociological responses to injuries and illness. Students will demonstrate critical thinking skills, patient care skills related to prevention, rehabilitation, and management, and communicate appropriate outcomes through oral and written communication. Course content will include an understanding of basic pathophysiology, kinesiology, and principles of treatment. An analysis of a variety of health situations involved in the sports medicine pathway will be conducted through project based learning, laboratory, simulation, and clinical experiences.</i>		
Therapeutic Services	2 terms/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Therapeutic Services is a one-credit course designed to inform students of the rapid changes in business and industry through a rigorous array of coursework and work-based experiences that prepare them for advanced learning and a wide range of health career opportunities. This course is designed to provide the local education agency flexibility to meet health care demands in the community. Students are introduced to careers in therapeutic services including, but not limited to, nursing, medicine, physical therapist, surgical technologist, respiratory therapist, emergency medical technician, and others.</i>		
Sr. Career Pathway Project - Health Science	2 terms/1 credit* 1 term/1 credit** Grades: 11-12 Fee: Yes	*Calera HS *Chelsea HS *Helena HS **Career Technical Educational Center
<i>Prerequisite: Successful Completion of Any 2 Courses in the Health Science Career Cluster</i>		
<i>Senior Career Pathway Project – Health Science is a one-credit course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.</i>		

Hospitality and Tourism Cluster

This cluster prepares high school students for the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services using real work, hands-on knowledge and skills in commercial and professional lab settings.

Recreation, Travel and Tourism Program

This program integrates management principles and procedures for the travel and tourism industry as well as recreation and sports programming, airlines, international travel, cruising, lodging, recreation, amusements, attractions, and resorts. Within this pathway, students can pursue a national sanitation certification and industry certification.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Hospitality and Tourism (Required Foundation Course)	2terms/1 credit* 1 term/1 credit** Grades: 9-12 Fee: Yes	*Montevallo HS **Career Technical Educational Center
<i>Hospitality and Tourism Foundations is a one-credit course. This course is the prerequisite for all pathways included in the Hospitality and Tourism cluster. Major topics include introduction to hospitality and tourism, recreation, travel and tourism, lodging, restaurants and food and beverage services, safety and sanitation, customer relations, and quality services. The required school-based laboratory for the Hospitality and Tourism cluster is a commercial food service kitchen with a food serving and dining area. School-based laboratory experiences are essential for students to develop skills in the hospitality and tourism industry.</i>		
Event Planning	2terms/1 credit* 1 term/1 credit** Grades: 9-12 Fee: Yes	*Montevallo HS **Career Technical Educational Center
<i>Event Planning is a one-credit course. Students will learn to organize and plan all aspects of business and social events including the food, location, and décor associated with hiring an event planner. Concepts taught in the course to meet the needs of clients include planning for the event with activities, establishing a budget, determining the theme, planning the guest list, determining the location, developing an event plan schedule, planning transportation needs, training of staff, staging the event, calculating room and space requirements, providing necessary technology and equipment, planning food and beverage services, securing entertainment, understanding legal issues in event planning, and conducting post-evaluations of events. Students demonstrate leadership characteristics and make decisions based on integrating knowledge of financial, human resources, promotion, and event management principals. Students are prepared for various career opportunities in event planning.</i>		
Travel and Tourism I	2terms/1 credit* 1 term/1 credit** Grades: 9-12 Fee: Yes	*Montevallo HS **Career Technical Educational Center
<i>A one-credit course focused on the development, research, packaging, promotion, and delivery of a traveler's experiences that may include creating guide books, planning trips and events, managing a customer's travel plans, or overseeing a convention center. The prerequisite for this course is Hospitality and Tourism.</i>		

Travel and Tourism II	2terms/1 credit* 1 term/1 credit** Grades: 9-12 Fee: Yes	*Montevallo HS **Career Technical Educational Center
<i>Prerequisite: Travel and Tourism I</i>		
<i>A one-credit course designed to provide knowledge and skill in understanding economics, marketing operations, admissions to events, safety and security precautions, and local and regional markets.</i>		
Sports, Recreation, and Entertainment Management	2terms/1 credit* 1 term/1 credit** Grades: 9-12 Fee: Yes	*Montevallo HS **Career Technical Educational Center
<i>This is a one-credit course designed to provide students with an opportunity to gain in-depth knowledge and skills related to the growing sports, recreation, and entertainment industries. The concepts of facility design, merchandising, advertising, public relations/publicity, event marketing, sponsoring events, ticket distributions, and careers related to these industries are the major concepts addressed in the class. 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.</i>		
Entrepreneurship in FACS	2terms/1 credit* 1 term/ 1 credit** Grades: 9-12 Fee: Yes	*Montevallo HS **Career Technical Educational Center
<i>This is a one-credit course that includes the necessary knowledge and skills to own and operate a business. It is the intent of this course that entrepreneurial concepts be incorporated within the framework of family and consumer sciences-related free enterprise experiences within the Human Services Cluster career pathways, Hospitality and Tourism Cluster career pathways, and the Education and Training Cluster career pathways. It is anticipated that the business concepts should be introduced and integrated throughout the free enterprise experience to maximize student interest and impact. The course content focuses on business and financial planning, personnel management, marketing principles, business and labor laws, legal rights and responsibilities of ownership and communication. Other topics to be taught are market research, purchasing process system, distribution systems, warehouse and inventory control, salesmanship, sales promotion, and theft control that influence the flow of goods and services from producer to consumer. Students are prepared to create and manage their own Family and Consumer Sciences business or embark on a career related to business development.</i>		
Career Pathway Project - Hospitality and Tourism	2terms/1 credit* 1 term/ 1 credit** Grades: 9-12 Fee: Yes	*Montevallo HS **Career Technical Educational Center
<i>Prerequisite: Successful Completion of Any 2 Courses in the Hospitality and Tourism Career Cluster</i>		
<i>Senior Career Pathway Project – Hospitality and Tourism is a one-credit course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.</i>		

CTE Lab - Hospitality and Tourism	2terms/1 credit* 1 term/1 credit** Grades: 9-12 Fee: Yes	*Montevallo HS **Career Technical Educational Center
<i>Prerequisite: Successful Completion of Any 2 Courses in the Hospitality and Tourism Career Cluster</i>		
<i>This one-credit course is an extended laboratory experience to address the advancement and specialization of careers within Hospitality & 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.</i>		

Restaurant and Food and Beverage Services (Culinary Arts) Program

This program begins with the fundamentals and principles of the art of cooking, management and production skills, and techniques. Within this pathway, students can pursue a national sanitation certification, industry certification, articulation credit, and scholarships. The courses offered involve a commercial laboratory-based instructional setting and internship hours.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Hospitality and Tourism (Required Foundation Course)	2terms/1 credit* 1 term/ 1 credit** Grades: 9-12 Fee: Yes	*Montevallo HS **Career Technical Educational Center
<i>Hospitality and Tourism Foundations is a one-credit course. This course is the prerequisite for all pathways included in the Hospitality and Tourism cluster. Major topics include introduction to hospitality and tourism, recreation, travel and tourism, lodging, restaurants and food and beverage services, safety and sanitation, customer relations, and quality services. The required school-based laboratory for the Hospitality and Tourism cluster is a commercial food service kitchen with a food serving and dining area. School-based laboratory experiences are essential for students to develop skills in the hospitality and tourism industry.</i>		
Culinary Arts I	2terms/1 credit* 1 term/ 1 credit** Grades: 9-12 Fee: Yes	*Montevallo HS **Career Technical Educational Center
<i>Culinary Arts I is a one-credit course that introduces students to basic food production, management, and service activities in both the back- and- front-of-the house. Emphasis is placed on sanitation, safety, and basic food preparation. Skills in mathematics, science, and communication are reinforced in this course. The required school-based laboratory for the Hospitality and Tourism cluster is a commercial food service kitchen with a food serving and dining area. School-based laboratory experiences are essential for students to develop skills in the hospitality and tourism industry.</i>		

Culinary Arts II	2terms/1 credit* 1 term/ 1 credit** Grades: 9-12 Fee: Yes	*Montevallo HS **Career Technical Educational Center
Prerequisite: <i>Culinary Arts I</i>		
<i>Culinary Arts II is a one-credit course. Culinary II provides advanced experiences in food production, management and service. Topics include food service operations, advanced food production, and professionalism. Skills in mathematics, communication, creative thinking, and entrepreneurship are reinforced in this course. The required school-based laboratory for the Hospitality and Tourism cluster is a commercial food service kitchen with a food serving and dining area. School-based laboratory experiences are essential for students to develop skills in the hospitality and tourism industry.</i>		
Baking and Pastry Arts	2terms/1 credit* 1 term/ 1 credit** Grades: 9-12 Fee: Yes	*Montevallo HS **Career Technical Educational Center
<i>Baking and Pastry Arts is a one-credit course designed to provide the principles of baking and pastry techniques. The course includes baking technologies, equipment, preparation procedures, production methods, pastry methods, chocolate and candy productions, science of bread baking, confections and desserts, showpieces, cost control, food safety, and presentation techniques to create fundamental baking to the latest pastry trends.</i>		
Event Planning	2terms/1 credit* 1 term/ 1 credit** Grades: 9-12 Fee: Yes	*Montevallo HS **Career Technical Educational Center
<i>Event Planning is a one-credit course. Students will learn to organize and plan all aspects of business and social events including the food, location, and décor associated with hiring an event planner. Concepts taught in the course to meet the needs of clients include planning for the event with activities, establishing a budget, determining the theme, planning the guest list, determining the location, developing an event plan schedule, planning transportation needs, training of staff, staging the event, calculating room and space requirements, providing necessary technology and equipment, planning food and beverage services, securing entertainment, understanding legal issues in event planning, and conducting post-evaluations of events. Students demonstrate leadership characteristics and make decisions based on integrating knowledge of financial, human resources, promotion, and event management principals. Students are prepared for various career opportunities in event planning.</i>		
Entrepreneurship in FACS	2terms/1 credit* 1 term/ 1 credit** Grades: 9-12 Fee: Yes	*Montevallo HS **Career Technical Educational Center
<i>This is a one-credit course that includes the necessary knowledge and skills to own and operate a business. It is the intent of this course that entrepreneurial concepts be incorporated within the framework of family and consumer sciences-related free enterprise experiences within the Human Services Cluster career pathways, Hospitality and Tourism Cluster career pathways, and the Education and Training Cluster career pathways. It is anticipated that the business concepts should be introduced and integrated throughout the free enterprise experience to maximize student interest and impact. The course content focuses on business and financial planning, personnel management, marketing principles, business and labor laws, legal rights and responsibilities of ownership and communication. Other topics to be taught are market research, purchasing process system, distribution systems, warehouse and inventory control, salesmanship, sales promotion, and theft control that influence the flow of goods and services from producer to consumer. Students are prepared to create and manage their own Family and Consumer Sciences business or embark on a career related to business development.</i>		

<p>Career Pathway Project - Hospitality and Tourism</p>	<p>2terms/1 credit* 1 term/ 1 credit** Grades: 9-12 Fee: Yes</p>	<p>*Montevallo HS **Career Technical Educational Center</p>
<p>Prerequisite: <i>Successful Completion of Any 2 Courses in the Hospitality and Tourism Career Cluster</i></p>		
<p><i>Senior Career Pathway Project – Hospitality and Tourism is a one-credit course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.</i></p>		

Human Services Cluster

This cluster prepares students for employment in career pathways that relate to families and human needs, such as family and community services, personal care, and consumer services. There are eight program areas: Consumer Services; Early Childhood Development and Services; Family Studies and Community Services; Fashion; Food, Wellness, and Dietetics; Interior Design/Real Estate; and Cosmetology. Rigorous instruction is provided to equip students with knowledge and skills needed in preparation for credentials, articulation, and/or further education.

Food, Wellness and Dietetics Program

This program is for students who are interested in pursuing careers in nutrition, wellness, and health and disease prevention. Courses provide students with knowledge in event planning; photographic styling applications; social media and digital design techniques; developing and adapting food products for marketing and specific nutrition needs; meal planning; food safety; and the scientific investigation of production, processing, preparation, evaluation, and utilization of food.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Family and Consumer Sciences	2 terms/1 credit Grades: 9-12 Fee: Yes	Calera HS Oak Mountain HS Shelby County HS
<i>Family and Consumer Sciences Foundations is designed to assist students in recognizing the roles, responsibilities, and importance of the family. Course content provides opportunities for students to explore characteristics of strong families; family customs and traditions; healthy relationships; marriage readiness; parenting issues; consumer behavior; clothing, housing, and food needs throughout the life span; effects of technology on the family; and career options related to family and consumer sciences and human services.</i>		
Chemistry of Food	2 terms/1 credit Grades: 9-12 Fee: Yes	Calera HS Oak Mountain HS Shelby County HS
<i>Chemistry of Food provides in-depth study of the application of science principles to scientific investigation of the production, processing, preparation, evaluation, and utilization of food. The course utilizes the scientific method to study scientific concepts and theories in the context of nutrition and foods. Students are expected to achieve academic standards and competencies from chemistry, biochemistry, biology, and some physics at the analysis, synthesis, and evaluation levels in his specialized area of study. Students develop critical reasoning and mathematical and writing skills through a variety of higher-level learning strategies and laboratory experiments that require measuring, recording, graphing, and analyzing data; predicting and evaluating laboratory results; and writing laboratory reports. The course highlights nutrition concepts and explores the various relationships between food science and nutrition. This course can serve as an 11th or 12th grade credit in science.</i>		
Dietetics	2 terms/1 credit 1 term/ .5 credit Grades: 9-12 Fee: Yes	Calera HS Oak Mountain HS Shelby County HS
<i>Dietetics is a one-credit course designed to provide students with advanced knowledge and skills used in nutrition and dietetics. Major topics include nutrition, meal planning, safety, food science, and professional behavior. A school-based laboratory is required for this course.</i>		

Entrepreneurship in FACS	2 terms/1 credit Grades: 9-12 Fee: Yes	Calera HS Oak Mountain HS Shelby County HS
<p><i>This is a one-credit course taught in grades 9-12 that includes the necessary knowledge and skills to own and operate a business. It is the intent of this course that entrepreneurial concepts be incorporated within the framework of family and consumer sciences-related free enterprise experiences within the Human Services Cluster career pathways, Hospitality and Tourism Cluster career pathways, and the Education and Training Cluster career pathways. It is anticipated that the business concepts should be introduced and integrated throughout the free enterprise experience to maximize student interest and impact. The course content focuses on business and financial planning, personnel management, marketing principles, business and labor laws, legal rights and responsibilities of ownership and communication. Other topics to be taught are market research, purchasing process system, distribution systems, warehouse and inventory control, salesmanship, sales promotion, and theft control that influence the flow of goods and services from producer to consumer. Students are prepared to create and manage their own Family and Consumer Sciences business or embark on a career related to business development.</i></p>		
Event Planning and Management	2 terms/1 credit Grades: 9-12 Fee: Yes	Calera HS Oak Mountain HS Shelby County HS
<p><i>Event Planning is a one-credit course. Students will learn to organize and plan all aspects of business and social events including the food, location, and décor associated with hiring an event planner. Concepts taught in the course to meet the needs of clients include planning for the event with activities, establishing a budget, determining the theme, planning the guest list, determining the location, developing an event plan schedule, planning transportation needs, training of staff, staging the event, calculating room and space requirements, providing necessary technology and equipment, planning food and beverage services, securing entertainment, understanding legal issues in event planning, and conducting post-evaluations of events. Students demonstrate leadership characteristics and make decisions based on integrating knowledge of financial, human resources, promotion, and event management principals. Students are prepared for various career opportunities in event planning.</i></p>		
Food and Nutrition	2 terms/1 credit 1 term/.5 credit Grades: 9-12 Fee: Yes	Calera HS Oak Mountain HS Shelby County HS
<p><i>This course is designed to enable students to explore the relationship between food, nutrition, fitness, and wellness. Students learn how to select and prepare nutritious foods. A school-based laboratory is required for this course.</i></p>		
Food Innovations and Media	2 terms/1 credit Grades: 9-12 Fee: Yes	Calera HS Oak Mountain HS Shelby County HS
<p><i>Food Innovations and Media is a one-credit course designed for students to learn how to express their creativity through foods. This course promotes critical thinking and decision making and develops food preparation, and communication and technology skills. Concepts such as the differences between images for marketing/advertising/public relations and consumer use; the differences between food for print and motion, e.g., web, video, TV; elements of styling: hyper-realism versus real-life; elements of photography: lighting, depth of field, angles; using and applying social media and digital design techniques; journalism skills; and trends in the food industry are included in the course.</i></p>		
Sports Nutrition	2 terms/1 credit Grades: 9-12 Fee: Yes	Calera HS Oak Mountain HS Shelby County HS
<p><i>Sports Nutrition is a one-credit course. The course provides students with knowledge and skills related to health, physical fitness and nutrition as it relates to sports and athletic training.</i></p>		

Cosmetology Program

This pathway is for students who are interested in pursuing careers that provide services to consumers in the field of beauty application and treatments, such as hairstyling, skin care, cosmetics, manicures/pedicures, and electrology.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Introduction to Cosmetology/ Natural Hair Styling Theory (Required Foundation Course)	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Introduction to Cosmetology/Natural Hair Styling Theory provides students with a study of concepts related to the cosmetology profession. Specific topics include cosmetology history and opportunities, professional image, infection control, human anatomy and physiology, client consultation, analysis, basic fundamentals, and principles of hair design. Students also gain initial practical experience in sanitation, shampooing, hair shaping, and hairstyling. Upon successful completion of this course, students are able to practice safety and sanitary precautions as they perform basic procedures. Introduction to Cosmetology/Natural Hair Styling Theory is the prerequisite to Chemical Services, Hair Coloring, Introduction to Spa Techniques, Advanced Spa Techniques Applications, Salon Practices and Management, and State Board Practicum.</i>		
Chemical Services	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Introduction to Cosmetology/Natural Hair Styling Theory</i>		
<i>Chemical Services focuses on the theory of chemical services related to chemical hair texturing. Specific topics include basics of chemistry and electricity, properties of the hair and scalp, and chemical texture services. Students also gain initial practical experience in performing various chemical texturing activities. Emphasis is placed on safety, chemical use and handling, hair and scalp analysis, and client consultation. Upon successful completion of this course, students are able to practice safety and sanitary precautions as they perform these chemical services.</i>		
Hair Coloring	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Introduction to Cosmetology/Natural Hair Styling Theory</i>		
<i>Hair Coloring provides students with study and experience in hair coloring and lightening. Emphasis is placed on color application, laws, levels and classifications of color, and problem solving. Upon successful completion of this course, students are able to identify all phases of hair coloring and its effects upon the hair and perform procedures for hair coloring and lightening. Problem-solving and critical-thinking skills are essential, and many opportunities are provided for growth in student's level of competence. Students participate in SkillsUSA as an integral part of this instructional program.</i>		
Introduction to Nail Care and Application	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Introduction to Nail Care and Application focuses on all aspects of the nail care industry. Specific topics include nail care history and opportunities, nail and skin services, sanitation and bacteriology, and salon conduct. Upon successful completion of this course, students are able to demonstrate professional conduct, recognize nail disorders & diseases, & identify and perform procedures for sanitation & nail care services. This course is a prerequisite for Nail Art and State Board Practicum Pathway B.</i>		

Salon Practices and Management	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Introduction to Cosmetology/Natural Hair Styling Theory</i>		
<p><i>Salon Practices and Management enables students to develop entry level management skills for the cosmetology industry. Students practice all phases of cosmetology in a salon setting. Upon successful completion of this course, students are able to demonstrate professional work ethics and communication skills, job-seeking and management skills, and exhibit knowledge of the technology used in salons.</i></p>		

Information Technology Cluster

This cluster prepares high school students with essential knowledge and skills for pursuing careers in the following three pathways: Cybersecurity and Infrastructure, Information Technology Support and Services, and Computer Science.

Computer Science Program

This pathway includes the study of theoretical algorithms and the practical problems involved in implementing them through computer hardware and software. This pathway includes artificial intelligence, software engineering, programming, and computer graphics. The need for computer science as a discipline has grown as computers become more integrated into daily life and technology continues to advance. This pathway provides students with skills required for the workforce both now and in the future.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Introduction to Computer Science - TEALS (Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Introduction to Computer Science-TEALS is a one-credit, engaging course that explores a variety of basic computational thinking and programming concepts through a project-based learning environment. Every unit culminates in a comprehensive project and roughly 75% or student time is spent building projects and practicing the skills they are learning. Can be used to satisfy a math credit or a 3rd or 4th science credit.</i>		
AP Computer Science A	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
Prerequisite: <i>Algebra I/Teacher Recommended</i> AP Exam: \$94 approx.		
<i>AP Computer Science A is 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. This course fulfills a math or science requirement.</i>		
AP Computer Science Principles	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
Prerequisite: <i>Algebra I/Teacher Recommended</i> AP Exam: \$94 approx.		
<i>AP Computer Science Principles is a college-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for computer science. This course focuses on innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives and introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the internet, cybersecurity concerns, and computing impacts. This course fulfills a math or science requirement.</i>		

CTE Lab in Information Technology	2 terms/1 credit Grades: 10-12 Fee: Yes	All High Schools
<i>Prerequisite: Successful Completion of Any 2 Courses in the Information Technology Career Cluster</i>		
<i>CTE Lab in Information Technology is designed to enhance the student's general understanding and mastery of the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.</i>		
Career Pathway Project in Information Technology	2 terms/1 credit Grades: 10-12 Fee: Yes	All High Schools
<i>Prerequisite: Successful Completion of Any 2 Courses in the Information Technology Career Cluster</i>		
<i>Career Pathway Project (CPP) in Information Technology is a capstone course designed for career and technical education students who have completed two or more courses in the Information Technology career cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</i>		

Law, Public Safety, Corrections and Security Cluster

This cluster prepares high school students for careers in the law and public safety field in four pathway areas: Correctional Services, Emergency and Fire Management Services, Law Enforcement, and Legal Services. Rigorous instruction is provided to equip students with knowledge and skills needed in preparation for credentials, articulated credit, and/or further education.

Emergency and Fire Management Services Program

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

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Introduction to Public Safety	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Introduction to Public Safety is a foundational course that helps students develop the knowledge and skills necessary for success and advancement in specialized preparatory programs for public service jobs. The course emphasizes emergency preparedness, basic first aid, fire management services, legal services, and corrections and law enforcement services.</i>		
Firefighting I	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
Prerequisite: Introduction to Public Safety		
<i>Firefighting I is designed to provide the student with basic information on fire service organization, the fire ground environment, firefighter safety, and the science of fire and fire behavior.</i>		
Firefighting II	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
Prerequisite: Firefighting I		
<i>Firefighting II is designed to provide the student with expanded information on fire service organization, fire ground environment, firefighter safety, the science of fire, and fire behavior. Specific course topics surveyed and demonstrated through practical exercises include forcible entry, ground ladders, and tactical ventilation; fire and loss control; determination of origins and causes of fires; firefighter survival; and dealing with hazardous material and weapons of mass destruction.</i>		

Fire Science I	1 term/1 credit Grades: 11-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Introduction to Public Safety</i>		
<i>Fire Science I is designed to provide students with information regarding career possibilities in firefighting and instruction in firefighting techniques. Topics include emergency care provider; fire service history and orientation; fire department communications; fire behavior; firefighter safety and health; personal protective equipment; portable fire extinguishers; water supply; fire hose and streams; fire life safety initiatives; building construction; ground ladders; ropes and knots; and structure search and victim removal. Students who successfully complete Fire Science I and II and pass the certification tests will earn 160 of the 360 hours required to complete Alabama Fire College Firefighter I and II certifications.</i>		
Fire Science II	1 term/1 credit Grades: 11-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Fire Science I</i>		
<i>Fire Science II provides students with advanced instruction and opportunities to demonstrate fire-fighting techniques. Topics include forcible entry; tactical ventilation; fire control; loss control; fire origin and causes; firefighter survival; hazards, behavior, and identification of hazardous materials and weapons of mass destruction; and hazardous material operations, product control and personal protective equipment. Students who successfully complete Fire Science I and II and pass the certification tests will earn 160 of the 360 hours required to complete Alabama Fire College Firefighter I and II certifications.</i>		
Emergency Services and Management	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Introduction to Public Safety</i>		
<i>In Emergency Services and Management, students prepare for careers in the emergency management field. Students will learn about the integration of all public safety functions into the process of managing major natural and man-made disasters. Students will be introduced to the National Incident Management Systems and practice emergency communications among professionals and between professionals and the public to ensure effective handling of emergency events.</i>		
Career Pathway Project in LPSCS	1 term/1 credit Grades: 11-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Successful Completion of Any 2 Courses in the LPSCS Career Cluster</i>		
<i>Career Pathway Project (CPP) for Law, Public Safety, Corrections, and Security is a capstone course designed for students who have completed two or more career and technical education courses in a particular 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 engage in an in-depth exploration of the area while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</i>		

Emergency Medical Technology EMS-118	1 term/1 credit Grades: 10-12 Fee: Yes	Career Technical Educational Center
Prerequisite: <i>Minimum 2.5 GPA</i>		
<i>This course is required to apply for certification as an Emergency Medical Technician. This course provides students with insights into the theory and application of concepts related to the profession of emergency medical services. Specific topics include: EMS preparatory, airway maintenance, patient assessment, management of trauma patients, management of medical patients, treating infants and children, and various EMS operations. This course is based on the NHTSA National Emergency Medical Services Education Standards.</i>		
Emergency Medical Technician Clinical EMS-119	1 term/1 credit Grades: 10-12 Fee: Yes	Career Technical Educational Center
Prerequisite: <i>Minimum 2.5 GPA AND Emergency Medical Technology EMS-118</i>		
<i>This course is required to apply for certification as an EMT. This course provides students with clinical education experiences to enhance knowledge and skills learned in the EMS 118, Emergency Medical Technician Theory and Lab. This course helps students prepare for the National Registry Exam.</i>		

Law Enforcement Services Program

This program is for students who are interested in pursuing careers in law enforcement and forensic science. The student will learn the role and responsibilities of a law enforcement officer; discuss relevant rules, regulations, and laws; and demonstrate defensive tactics, police patrol techniques, and CPR and First Aid procedures as used in emergency situations. Meeting and maintaining physical fitness standards for law enforcement is also emphasized in this course. The courses also focus on career opportunities, safety, history of forensic science, criminal investigation, forensic serology and DNA testing, forensic studies in anthropology, toxicology, fingerprinting, firearms, physics, and document examination.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Introduction to Public Safety	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Introduction to Public Safety is a foundational course that helps students develop the knowledge and skills necessary for success and advancement in specialized preparatory programs for public service jobs. The course emphasizes emergency preparedness, basic first aid, fire management services, legal services, and corrections and law enforcement services.</i>		
Law Enforcement and Corrections	1 term/1 credit Grades: 10-12 Fee: Yes	Career Technical Educational Center
Prerequisite: <i>Introduction to Public Safety</i>		
<i>Law Enforcement and Corrections is designed to align with the curriculum that many law enforcement academies require and is intended for students who may be interested in pursuing a career in this field. Law Enforcement and Corrections provides an overview of the history, organization, and functions of local, state, and federal law enforcement agencies. Students will examine the role of constitutional law at local, state, and federal levels; the United States legal system; criminal law; law enforcement terminology and procedures; and the classification and elements of crime according to the Criminal Code of Alabama.</i>		

Advanced Law Enforcement	1 term/1 credit Grades: 10-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Law Enforcement and Corrections</i>		
<i>In Advanced Law Enforcement, students prepare for enrollment in police academy and for the certification required for employment as a law enforcement officer. The student will learn the roles and responsibilities of law enforcement officers in a variety of settings; discuss relevant rules, regulations, and laws; demonstrate patrol, communication, and advanced police techniques; and demonstrate CPR and first aid procedures as used in emergency situations.</i>		
Forensic Science and Crime Scene Investigation	2terms/1 credit_ 1 term/1 credit** Grades: 10-12 Fee: Yes	*All High Schools **Career Technical Educational Center
<i>Prerequisite: Biology, a Physical Science, Geometry with Data Analysis, Algebra I with Probability</i>		
<i>Forensic Science and Crime Scene Investigation teaches students to apply chemistry, physics, and biology to a suspect, a criminal act or behavior, or a victim. This course prepares students in two distinct concentrations. The Forensic Science portion focuses on working in a crime lab setting as a forensic scientist or technician. Crime Scene Investigations covers the application of the scientific method at a crime scene, including scene processing and the identification and collection of evidence. This course can serve as an 11th or 12th grade credit in science.</i>		
Career Pathway Project in LPSCS	1 term/1 credit Grades: 11-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Successful Completion of Any 2 Courses in the LPSCS Career Cluster</i>		
<i>Career Pathway Project (CPP) for Law, Public Safety, Corrections, and Security is a capstone course designed for students who have completed two or more career and technical education courses in a particular 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 engage in an in-depth exploration of the area while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</i>		

Manufacturing and Robotics Cluster

The Manufacturing cluster provides the knowledge and skills to equip students for careers in industrial maintenance, manufacturing, electronics, precision machining, and robotics. These courses include significant technical depth and engineering concepts and terminology. The Manufacturing cluster provides a safe and appropriate setting for student exploration and achievement. Students gain knowledge and skills through an active, structured, and stimulating environment coordinated with simulated workplace learning experiences. The Manufacturing cluster learning environment utilizes a variety of physical space to stimulate development of effective cognitive and psychomotor skills. Students experience a wide range of hands-on activities based on authentic representations of expectations found in the workplace. Theory and concepts are taught in proportion to the need for strong application opportunities with emphasis on timely learning experiences that facilitate the transition to skills attainment. Safety, proper tool use, and adherence to procedures are integral components for all student learning experiences.

Robotics and Automated Manufacturing Program

The Robotics and Automated Manufacturing program covers a variety of topics including: Computer Automation, Design, and Production, as well as Introduction to Robotics, Robotics Application, Electronics and Control Systems. Students will be prepared to earn entry level credentials recognized by the Electronics Technicians Association (ETA), MSSC, and NCCER.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Introduction to Manufacturing	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Introduction to Manufacturing focuses on the fundamental knowledge and skills needed in the manufacturing industry. Emphasis is placed on job safety, use of manufacturing materials, primary manufacturing processes, secondary manufacturing processes, and manufacturing systems. Upon successful completion of this course, students perform basic tasks related to the manufacturing industry.</i>		
Introduction to Robotics	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Introduction to Manufacturing</i>		
<i>Introduction to Robotics is designed to introduce students to the fundamentals of robotics. The course emphasizes fundamentals of electrical current, digital circuits, electronic control systems, and the design and operation of robotic systems.</i>		
Robotic Applications	1 term/1 credit Grades: 10-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Introduction to Robotics</i>		
<i>Robotics Applications standards mandate the design and construction of a robotic system with peripheral devices, including the design and creation of mechatronic systems and use of automated tooling.</i>		
Robotics and Automation	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Robotics and Automation is designed to enhance computer modeling skills by applying principles of robotics and automation to the creation of models of three-dimensional designs. Quality control measures in the modern manufacturing facility are also emphasized.</i>		

CTE Lab in Manufacturing	1 term/1 credit Grades: 10-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Successful Completion of Any 2 Courses in the Manufacturing Career Cluster</i>		
<i>CTE Lab in Manufacturing is designed to enhance the student's general understanding and mastery of the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.</i>		
Career Pathway Project - Manufacturing	1 term/1 credit Grades: 10-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Successful Completion of Any 2 Courses in the Manufacturing Career Cluster</i>		
<i>Career Pathway Project (CPP) in Manufacturing is a capstone course designed for career and technical education students who have completed two or more courses in the Manufacturing 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 engage in an in-depth exploration of the area while demonstrating problem-solving, decision-making, and independent-learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education. This course may be taken in any program within the Manufacturing cluster.</i>		

Marketing Cluster

This cluster prepares high school students for careers in the field of marketing. Rigorous instruction is provided to equip learners with knowledge and skills for college and career readiness. Extended learning experiences to enrich and enhance instruction is reinforced through learner participation in career and technical student organizations (DECA and FBLA).

Marketing Program

This program is for students who are interested in pursuing careers in marketing. Courses provide an overview of career opportunities, which are available in every sector of the economy and requires individuals working in marketing to become familiar with topics including sales, marketing, customer service, telecommunications, research, and media.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Business Communications (Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Business Communications focuses on how employees and management interact with each other and with groups and individuals outside the organization to reach organizational goals, objectives, and activities. This course emphasizes oral, written, and digital communication techniques, and content is designed to encourage exploration of business ethics, teamwork, conflict resolution, and leadership skills. Content standards require the use of presentation and word processing software to create business communications. Standards require proficiency in producing documents and multimedia presentations.</i>		
Business Software Applications I (Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Business Software Applications I emphasizes the skills required to create, edit, and publish industry-appropriate documents. Areas of instruction include the integration of word processing, desktop publishing, spreadsheets, database management, and presentation software as well as the use of emerging technologies. Competencies for the co-curricular student organizations, DECA and Future Business Leaders of America (FBLA-PBL), are also embedded in this course. Students will have the opportunity to gain industry-recognized credentials to document basic computer skills needed for future education or employment.</i>		
Foundations of Business Leadership (Foundation Course)	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Foundations of Business Leadership focuses on the exploration of leadership and management to determine the impact of management practices on business and industry, management of expectations regarding legal and ethical behavior, and investigation of how resources are managed to achieve company goals. Standards are designed to emphasize principles of sound business management and the analysis of business practices to determine ethical and social responsibilities.</i>		
Advertising and Sales	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Advertising and Sales provides the tools necessary for the development, implementation, and management of promotional programs. This course focuses on the performance of key responsibilities required in the advertising and sales environment. Skills emphasized in this course are pricing, visual merchandising, advertising, special promotions, professional sales, and customer service. These skills are designed to prepare students to manage the sales function, to determine client needs and wants, and to respond through planned, personalized communication.</i>		

Digital Marketing	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Digital Marketing introduces students to digital marketing techniques, tools, and methods, including email, websites, applications, social media, and other electronic means. This course focuses on how to develop and conduct digital marketing campaigns. Emphasis is placed on creating, implementing, and critiquing online advertising, email marketing, websites, social media, mobile marketing, search-engine optimization, video and images, podcasts, webcasts, and creating and repurposing content for use in digital environments.</i>		
Entrepreneurship	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<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.</i>		
Hospitality Management and Marketing	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Hospitality Management and Marketing emphasizes skills needed for ownership, management, or employment in the growing hospitality and tourism industry. Standards are designed to develop a leadership perspective about social, environmental, economic, legal, human resource, customer relations, and consumer factors impacting the hospitality industry. The course also focuses on the marketing aspect of hospitality and tourism, including sales, promotions, advertising, and public relations.</i>		
Marketing Principles	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Marketing Principles is designed to provide students with an overview of marketing concepts. The course addresses the ways in which marketing satisfies consumer and business needs and wants for products and services. Areas emphasized include economics, entrepreneurship, information management, finance, marketing, product and service planning, promotion, pricing, selling, interpersonal skills, and international marketing.</i>		
Sports and Entertainment Marketing	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
<i>Sports and Entertainment Marketing is a specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. This course introduces the student to the major segments of the industry and the social and economic impact the industry has on local, state, national, and global economies. Although no prerequisite is listed, it is suggested that students complete an introductory marketing course prior to taking Sports and Entertainment Marketing.</i>		
Career Pathway Project in Marketing	2 terms/1 credit Grades: 9-12 Fee: Yes	All High Schools
Prerequisite: Two or More Credits from the Same Pathway in the Marketing Career Cluster		
<i>Career Pathway Project (CPP) in Marketing is a capstone course designed for students who have completed two or more Career and Technical Education credits from the same pathway in the Marketing Career Cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent-learning skills.</i>		

STEM Cluster

The STEM cluster course of study is designed to address the challenges of a changing, technological, diverse, and global society. Students develop their abilities to analyze, communicate, manage, and lead. The rigorous content standards contained in these courses require students to use creative and innovative, critical-thinking skills. Experiences should be project-based and require higher-order thinking, communication, management, and leadership skills.

Engineering Program

The CTE STEM curriculum should emphasize the integration of academics. To achieve the solution to a given problem, students must possess an adequate foundation in communication skills for reading, writing, speaking, listening, viewing, and presenting; knowledge and skills in mathematics, science, and social studies; and knowledge of current and emerging technologies.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Foundations of Engineering and Technology	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
<i>Foundations of Engineering and Technology offers students an exploratory view of the engineering profession and the fundamental skills utilized in the field. Students investigate various engineering disciplines and related career paths. Students will develop leadership and teamwork skills through creativity, collaboration, communication, and critical thinking. Additionally, students will increase their understanding of science, technology, engineering, and mathematics (STEM) principles used in problem-solving as they use the engineering design process. Upon completion of this course students may be ready to earn a credential in a Computer-Aided Design (CAD) software such as Autodesk Inventor, SolidWorks, or SolidEdge.</i>		
Applications of Engineering and Technology	2 terms/1 credit Grades: 11-12 Fee: Yes	Oak Mountain HS
<i>Prerequisite: Foundations of Engineering and Technology; Algebra I with Probability</i>		
<i>Applications of Engineering and Technology offers students an investigative view of the engineering profession and the fundamental skills utilized in the field. Students continue investigating engineering disciplines and related career paths. Students will expand leadership and teamwork skills through creativity, collaboration, communication, and critical thinking. Additionally, students will increase their understanding of science, technology, engineering, and mathematics (STEM) principles used in problem-solving through the engineering design process.</i>		
Capstone of Engineering and Technology	2 terms/1 credit Grades: 11-12 Fee: Yes	Oak Mountain HS
<i>Prerequisite: Foundations of Engineering and Technology; Applications of Engineering and Technology; Geometry with Data Analysis, Algebra I with Probability</i>		
<i>Capstone of Engineering and Technology allows students to expand and apply previous knowledge to solve engineering problems. In this course, students will conduct research and develop solutions to complete a capstone project in the engineering field. Project-based learning reinforces the application of science, technology, engineering, and mathematics (STEM) concepts and skills. Technology applications are utilized in this course to enable students to visualize, model, prototype, solve, and report on comprehensive design problems. Collaboration and teamwork are vital components of the producing the capstone project.</i>		

Computer Engineering and Technology	2 terms/1 credit Grades: 11-12 Fee: Yes	Oak Mountain HS
<i>Prerequisite: Applications of Engineering and Technology</i>		
<i>Computer Engineering and Technology is designed to explore the process of taking a software idea and turning it into a profitable product. Students will gain knowledge of the phases of a software life-cycle (planning, design, implementation, testing, deployment, and maintenance). Technology will be introduced by exposing students to industry standard tools for implementing the System Development Life Cycle (SDLC) process. This course will be focused on the SDLC but will expose the students to the various architectures used for a successful project. While not required, it is recommended that students have some prior knowledge of programming languages, databases, operating systems, and platforms.</i>		
Environmental Engineering	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
<i>Environmental Engineering is designed to offer students an overview of environmental sustainability. It allows students to explore training, education, and career opportunities related to environmental engineering. Students will investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply, and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these real-life challenges. And finally, students will describe the careers associated with environmental engineering and what roles they play in society.</i>		
Robotics Systems	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
<i>Robotic Systems is designed to offer students an overview of robotics. It allows students to explore training, educational, and career opportunities related to the automation of robotics in industry. Students will investigate and create a plan to achieve industry certifications, incorporate proper ethics in submitted projects, demonstrate basic technical skills necessary for following safety precautions, utilize engineering principles and fundamental physics, and demonstrate the technological product design processes and methodologies of systems.</i>		
Career Pathway Project in STEM	2 terms/1 credit Grades: 11-12 Fee: Yes	Oak Mountain HS
<i>Prerequisite: Successful Completion of Any 2 Courses in the STEM Career Cluster</i>		
<i>Career Pathway Project (CPP) for STEM is a capstone course designed for students who have completed two or more career and technical education courses in Science, Technology, Engineering, and Mathematics. 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 engage in an in-depth exploration of the area while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</i>		
CTE Lab in STEM	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
<i>CTE Lab in STEM enhances the student's general understanding and mastery of the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.</i>		

Project Lead The Way (PLTW) Engineering Program

From launching space explorations to delivering safe, clean water to communities, engineers find solutions to pressing problems and turn their ideas into reality. PLTW Engineering empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamers to doers. The program's courses engage students in compelling, real-world challenges that help them become better collaborators and thinkers. Students take from the courses in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Engineering Essentials-PLTW	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
<i>A one-credit course designed for high school students to explore the work of engineers and their role in the design and development of solutions to real-world problems.</i>		
Introduction to Engineering Design-PLTW	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
<i>A one-credit course that uses a design development process while enriching problem-solving skills. Students create and analyze models using specialized computer software.</i>		
Engineering Design and Development-PLTW	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
<i>A one-credit research course designed for students to formulate the solution to an open-ended engineering question. Students create written reports, defend the reports, and submit them to a panel of outside reviewers at the end of the school year.</i>		
Principles of Engineering-PLTW	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
<i>A one-credit course designed to explore technology systems and manufacturing processes.</i>		
Career Pathway Project in STEM	2 terms/1 credit Grades: 11-12 Fee: Yes	Oak Mountain HS
Prerequisite: Successful Completion of Any 2 Courses in the STEM Career Cluster		
<i>A one-credit course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.</i>		
CTE Lab in STEM	2 terms/1 credit Grades: 9-12 Fee: Yes	Oak Mountain HS
Prerequisite: Successful Completion of Any 2 Courses in the STEM Career Cluster		
<i>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.</i>		

Transportation, Distribution and Logistics Cluster

The Transportation, Distribution, and Logistics cluster includes specialty areas in aviation, power equipment, automotive service, automotive collision repair, diesel engine maintenance and repair, logistics, and marine technology. The curriculum is based on recognized industry and professional standards found in national organizations and federal regulations.

Automotive Services Program

The need for automotive service technicians is growing rapidly as people continue to keep their vehicles in operation longer than ever before. This program is designed for students to gain knowledge and credentials for entry level employment or to continue their education through college. This program is divided into three levels: Maintenance and Light Repair, Automotive Service Technicians, and Master Service Technicians. All programs are ASE Education Foundation accredited and students are eligible to receive ASE credentials.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Automotive Technology Foundations	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Automotive Technology Foundations is designed to equip students with basic knowledge and skills regarding safety, engine repair, automatic transmissions, and manual drive trains. A major focus of this course is system and component operations. Standards are designed to equip students to diagnose and repair engine performance related systems. This course is the foundation for all other automotive technology courses.</i>		
Automotive Technology 1A	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Automotive Technology Foundations</i>		
<i>Automotive Technology 1A is designed to equip students with foundational knowledge and skills regarding automotive suspension, steering, and brake systems. Strong emphasis is placed on system and component operations. Standards are designed to equip students to diagnose and repair engine performance related systems. This course incorporates personal and environmental safety practices associated with clothing, eye protection, hand tools, power equipment, ventilation, and material/chemical handling. Local, state, and federal safety and environmental regulations will be followed.</i>		
Automotive Technology 1B	1 term/1 credit Grades: 10-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Automotive Technology Foundations</i>		
<i>Automotive Technology 1B is designed to equip students with foundational knowledge and skills regarding safety, electrical, and electronics systems. Standards are designed to equip students to diagnose and repair engine performance related electrical systems. This course incorporates personal and environmental safety practices associated with clothing, eye protection, hand tools, power equipment, ventilation, and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations.</i>		

Automotive Technology 1C	1 term/1 credit Grades: 10-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Automotive Technology Foundations</i>		
<i>Automotive Technology 1C is designed to equip students with foundational knowledge and skills regarding safety, engines, and engine performance. Standards are designed to equip students to diagnose and repair engine performance related systems. This course incorporates personal and environmental safety practices associated with clothing, eye protection, hand tools, power equipment, ventilation, and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations.</i>		
CTE Lab in TD&L	1 term/1 credit Grades: 10-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Successful Completion of Any 2 Courses in the TD&L Career Cluster</i>		
<i>CTE Lab in Transportation, Distribution and Logistics is designed to enhance the student's general understanding and mastery of content in the cluster. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.</i>		
Career Pathway Project-TD&L	1 term/1 credit Grades: 10-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Successful Completion of Any 2 Courses in the TD&L Career Cluster</i>		
<i>Career Pathway Project (CPP) in Transportation, Distribution and Logistics is a capstone course designed for students who have completed two or more Career and Technical Education credits in the Transportation, Distribution and Logistics career cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent-learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</i>		

Collision Repair Program

The collision repair program is divided into two divisions, collision repair and refinishing. This program is designed to train students to successfully repair accidental damage and to refinish vehicles. Emphasis is placed on safety, plasma arc cutting and oxyacetylene cutting, resistance type spot welding, and metal inert gas (MIG) welding. Refinishing skills learned in this program may also carry over into many other industries through manufacturing finishing of products. All programs are ASE Education Foundation accredited and students are eligible to receive ASE credentials. ICAR curriculum and credentials are being utilized in many programs.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Non-structural Analysis & Damage Repair (Foundation Course)	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Non-Structural Analysis and Damage Repair (Body Components) presents knowledge and skills regarding current and emerging technologies in analysis and repair of collision-damaged non-structural components, including methods, equipment, and processes used to inspect, measure, repair, and replace non-structural parts. Standards are designed to equip students to perform basic repairs on automotive non-structural components.</i>		

Non-Structural Welding, Cutting and Joining	1 term/1 credit Grades: 9-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Non-Structural Analysis & Damage Repair</i>		
<i>Non-Structural Welding, Cutting, and Joining is designed to equip students with knowledge and skills regarding automotive cutting and welding processes including resistance type spot welding and metal inert gas (MIG) welding. Standards focus on ensuring that students can perform automotive cutting and welding procedures safely. This course incorporates personal and environmental safety practices associated with clothing, respiratory and eye protection, tools and power equipment, ventilation, and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations.</i>		
Damage Analysis, Estimating and Consumer Service	1 term/1 credit Grades: 10-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Non-Structural Welding, Cutting, & Joining</i>		
<i>Damage Analysis, Estimating, and Customer Service presents service knowledge and skills for analyzing collision damage to vehicles, estimating repair costs, determining repair sequences and procedures, and providing effective customer service to vehicle owners and insurance clients.</i>		
Painting and Refinishing I	1 term/1 credit Grades: 10-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Non-Structural Welding, Cutting, & Joining</i>		
<i>Painting and Refinishing I is designed to equip students with knowledge and skills regarding the selection, preparation, and application of automotive finishes.</i>		
Career Pathway Project-TD&L	1 term/1 credit Grades: 10-12 Fee: Yes	Career Technical Educational Center
<i>Prerequisite: Successful Completion of Any 2 Courses in the TD&L Career Cluster</i>		
<i>Career Pathway Project (CPP) in Transportation, Distribution and Logistics is a capstone course designed for students who have completed two or more Career and Technical Education credits in the Transportation, Distribution and Logistics career cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent-learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</i>		

Flight Technology Program

The Flight Technology program is designed to prepare students with knowledge related to flight operations from preflight to post-flight procedures. This program will include reading and interpreting up-to-date weather reports, record flight paths, support flight operations, and perform calculations for fuel usage.

Course Name	Length / Credit Fee	Potentially Offered at These Schools
Aircraft Theory of Flight and Operations	1 term/1 credit Grades: 9-12 Fee: Yes	Shelby Co HS
<i>The purpose of this one-credit course is to provide students with knowledge related to the theory of flight and aircraft operation. Students are introduced to various tools, hardware, and materials used to maintain aircraft, including the safe and proper use of tools. Students construct various aircraft models to aid in the transition from theory to application of concepts.</i>		
Airframe Systems	1 term/1 credit Grades: 9-12 Fee: Yes	Shelby Co HS
<i>This one-credit course provides students with basic knowledge and skills related to aircraft systems rigging, and weight and balance. Safety is emphasized throughout this course. Students learn the proper use of tools required for performing tasks associated with airframe systems. At the conclusion of this course, students are able to safely apply techniques to rig and balance aircraft for maintenance activities.</i>		

HIGH SCHOOL FEES

FEE	
<i>AP Classes</i>	
AP Biology <i>(plus cost of AP exam)</i>	\$25.00
AP Pre-Calculus <i>(plus cost of AP exam)</i>	\$20.00
AP Calculus – AB <i>(plus cost of AP exam)</i>	\$20.00
AP Calculus – BC <i>(plus cost of AP exam)</i>	\$20.00
AP Chemistry <i>(plus cost of AP exam)</i>	\$25.00
AP Computer Science A <i>(plus cost of AP exam)</i>	\$20.00
AP Computer Science Principles <i>(plus cost of AP exam)</i>	\$20.00
AP English, Language and Literature <i>(plus cost of AP exam)</i>	\$20.00
AP Environmental Science <i>(plus cost of AP exam)</i>	\$25.00
AP European History <i>(plus cost of AP exam)</i>	\$20.00
AP French <i>(plus cost of AP exam)</i>	\$20.00
AP Latin <i>(plus cost of AP exam)</i>	\$20.00
AP Macroeconomics <i>(plus cost of AP exam)</i>	\$20.00
AP Music Theory <i>(plus cost of AP exam)</i>	\$20.00
AP Physics 1 <i>(plus cost of AP exam)</i>	\$25.00
AP Physics C: Mechanics <i>(plus cost of AP exam)</i>	\$25.00
AP Psychology <i>(plus cost of AP exam)</i>	\$20.00
AP Spanish <i>(plus cost of AP exam)</i>	\$20.00
AP Statistics <i>(plus cost of AP exam)</i>	\$20.00
AP Studio Art: Drawing, 2-Dimensional Design, and 3-Dimensional Design <i>(plus cost of AP exam)</i>	\$40.00
AP U.S. Government and Politics <i>(plus cost of AP exam)</i>	\$20.00
AP U.S. History <i>(plus cost of AP exam in Grade 11)</i>	\$20.00
AP World History <i>(plus cost of AP exam)</i>	\$20.00
<i>English/Language Arts</i>	
Broadcast Journalism I	\$20.00
Creative Writing I, II	\$15.00
Journalism I, II, III, IV	\$20.00
Literary Magazine	\$20.00
Mythology Literature	\$20.00
Newspaper	\$20.00
Shakespearean Literature	\$20.00
Southern Literature	\$20.00
Yearbook II	\$20.00
<i>Mathematics</i>	
Introduction to Computer Science-TEALS	\$20.00
<i>Physical Education and Other Electives</i>	
Athletic Trainer	\$20.00
Beginning Kinesiology (Suggested Donation)	\$5.00

HIGH SCHOOL FEES

FEE	
<i>Physical Education and Other Electives (Continued)</i>	
Driver and Traffic Safety Education	\$40.00
Physical Education (All Other Physical Education Electives)	\$10.00
<i>Science</i>	
Biology (Suggested Donation)	\$15.00
Biology, Honors	\$20.00
Chemistry	\$20.00
Chemistry, Honors	\$20.00
Earth and Space Science	\$15.00
Environmental Science	\$15.00
Forensic and Criminal Investigations	\$30.00
Human Anatomy and Physiology	\$20.00
Human Anatomy and Physiology, Honors	\$25.00
Introduction to Computer Science-TEALS	\$20.00
Physical Science (Suggested Donation)	\$10.00
Physics	\$15.00
Principles of Engineering – (PLTW)	\$40.00
<i>Social Studies</i>	
Comparative Religion	\$15.00
Contemporary Issues/Global Studies	\$15.00
Psychology	\$15.00
Sociology	\$15.00
<i>Speech/Debate</i>	
Debate	\$15.00
Speech II	\$20.00
<i>Visual Arts</i>	
<i>(Additional fees may be collected as needed to cover costs of competition.)</i>	
Acting Technique	\$20.00
Advanced Theatre	\$20.00
Arts, Visual I, II, III, IV	\$40.00
Arts, Visual Sculpture I, II, III	\$40.00
Band/Music Theory (Concert, Jazz Ensemble, Percussion, Visual Ensemble)	<i>Fees Determined Locally</i>
Choir (Mixed, Men’s, Women’s, Chamber, Show)	\$25.00
Crafts	\$45.00
Digital Sound Design (Podcasting)	<i>Fees Determined Locally</i>
Graphic Design I, II	\$40.00
Interactive Game Design I	<i>Fees Determined Locally</i>

HIGH SCHOOL FEES

FEE	
<i>Visual Arts (Continued)</i>	
<i>(Additional fees may be collected as needed to cover costs of competition.)</i>	
Media Arts I (Broadcasting)	<i>Fees Determined Locally</i>
Photography, Digital I, II, III, IV	\$45.00
Technical Theatre Production	\$20.00
Theatre I, II, III	\$20.00
Web Design I	<i>Fees Determined Locally</i>
<i>World Languages</i>	
American Sign Language I, II, III, IV	\$15.00
French I, II, III, IV	\$15.00
German I, II, III, IV	\$15.00
Latin I, II, III, IV	\$15.00
Spanish I, II, III, IV	\$15.00

CAREER/TECH HIGH SCHOOL FEES by CLUSTER

***Course Fee Includes CTSO Dues**

CLUSTER	FEE
<i>Agriculture, Food and Natural Resources</i>	
Semester Courses	\$25.00
Year-Long Courses	\$50.00
<i>Architecture and Construction</i>	
Construction Technology (<i>Career Technical Educational Center</i>)	\$105.00/yr*
Construction Technology (<i>Calera HS</i>)	\$40.00/yr
Design Technology (<i>Chelsea HS</i>)	\$60.00/yr
Plumbing (<i>Career Technical Educational Center</i>)	\$75.00/yr*
Welding (<i>Career Technical Educational Center</i>)	\$130.00/yr*
<i>Arts, A/V Technology and Communications</i>	
Year-Long Courses	\$40.00
<i>Business Management and Administration</i>	
Semester Courses	\$15.00
Year-Long Courses	\$30.00
Career Pathway Project / Ready to Work Program	\$25.00/yr
<i>Education and Training</i>	
Semester Courses	\$15.00
Year-Long Courses	\$30.00
<i>Finance</i>	
Semester Courses	\$15.00
Year-Long Courses	\$30.00
<i>Government and Public Administration</i>	
JROTC - Army (<i>Vincent HS</i>) — No Fee for LET I	\$10.00/yr
<i>Health Science</i>	
Biomedical Science (<i>Career Technical Educational Center</i>)	\$125.00/yr*
Diagnostic Services (<i>Calera HS</i>)	\$100.00/yr
Exercise Science (<i>Helena HS</i>)	\$25.00/yr
Foundations of Health Science (<i>Calera HS</i>)	\$60.00/yr
Foundations of Health Science (<i>Chelsea HS</i>)	\$100.00/yr
Health Science Internship (<i>Chelsea HS</i>)	\$125.00/yr
Kinesiology & Biomechanics (<i>Chelsea & Helena HS</i>)	\$25.00/yr
Nursing & Therapeutic Services (<i>Career Technical Educational Center</i>)	\$125.00/yr*
Operating Room Foundations (<i>Chelsea HS</i>)	\$60.00/yr
Sports Medicine I (<i>Helena HS</i>)	\$50.00/yr
Sports Medicine II (<i>Helena HS</i>)	\$25.00/yr
Sports Medicine Fundamentals (<i>Helena HS</i>)	\$50.00/yr

CAREER/TECH HIGH SCHOOL FEES by CLUSTER

***Course Fee Includes CTSO Dues**

CLUSTER	FEE
<i>Hospitality and Tourism</i>	
Culinary (<i>Montevallo HS</i>)	\$75.00
Event Planning (<i>Montevallo HS</i>)	\$50.00
Hospitality and Tourism – Culinary (<i>Career Technical Educational Center</i>)	\$165.00/yr*
Hospitality and Tourism – Foundations (<i>Montevallo HS</i>)	\$50.00
<i>Human Services (Cosmetology)</i>	
Cosmetology, 1 st Year (<i>Career Technical Educational Center</i>)	\$250.00/yr*
Cosmetology, 2 nd Year (<i>Career Technical Educational Center</i>)	\$150.00/yr*
<i>Human Services (Family and Consumer Sciences)</i>	
Courses Containing a Food Lab (<i>Semester Courses</i>)	\$25.00
Courses Containing a Food Lab (<i>Year-Long Courses</i>)	\$50.00
Other Semester Courses	\$20.00
Other Year-Long Courses	\$40.00
<i>Information Technology</i>	
All Courses (If an AP course, there will be an additional testing cost.)	\$20.00
<i>Law, Public Safety, Corrections and Security</i>	
Public Service Academy (<i>Career Technical Educational Center</i>)	\$60.00/yr*
<i>Manufacturing</i>	
Robotics & Manufacturing (<i>Career Technical Educational Center</i>)	\$105.00/yr*
<i>Marketing</i>	
Semester Courses	\$15.00
Year-Long Courses	\$30.00
<i>STEM (Science, Technology, Engineering, and Math)</i>	
Engineering Courses (<i>Oak Mountain HS</i>)	\$60.00/yr
Project Lead The Way (PLTW) Engineering Courses (<i>Oak Mountain HS</i>)	\$75.00/yr
<i>Transportation, Distribution and Logistics</i>	
Automotive Technology (<i>Career Technical Educational Center</i>)	\$150.00/yr*
Collision Repair (<i>Career Technical Educational Center</i>)	\$150.00/yr*
Flight Technology (<i>Shelby County HS</i>)	\$50.00/yr

*** Course Fee Includes CTSO Dues**