# Course Catalog for Grades 9-12
## 2020-2021

Retain this important document for your records.

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## High Schools

### Brookwood High School
**Address:** 12250 George Richmond Parkway, Brookwood, AL 35444  
**Principal:** Mr. Daniel Bray  
**Assistant Principals:** Mrs. Deidra Crain, Mrs. Kelli Hubbard  
**Counselors:** Mrs. Kimberly Barnett, Ms. Cathy Rutledge

### Hillcrest High School
**Address:** 300 Patrie Parkway, Tuscaloosa, AL 35405  
**Principal:** Mr. Jeff Hinton  
**Assistant Principal:** Mr. Brad Armstrong  
**Counselors:** Mr. Kevin Thomas, Mrs. LaTonya Jemison

### Holt High School
**Address:** 301 44th Court NE, Holt, AL 35404  
**Principal:** Mrs. Jacqueline McNealey  
**Assistant Principal:** Mrs. LeAnna Sullivan-Feely  
**Counselor:** Mrs. Reba Box

### Northside High School
**Address:** 19230 Northside Parkway, Northport, AL 35475  
**Principal:** Mr. Jeff Hinton  
**Assistant Principal:** Mr. Brad Armstrong  
**Counselor:** Mrs. LaTonya Jemison

### Sipsey Valley High School
**Address:** 15815 Romulus Road, Buhl, AL 35446  
**Principal:** Mr. Dennis Alvarez  
**Assistant Principal:** Mrs. LeAnna Sullivan-Feely  
**Counselor:** Mrs. Amy Caudle

### Tuscaloosa County High School
**Address:** 12500 Wildcat Drive, Northport, AL 35475  
**Principal:** Dr. Cynthia Simpson  
**Assistant Principals:** Mrs. Hannah Costanzo, Dr. Daniel Dickens, Mr. Danny Jordan  
**Counselors:** Mrs. Ashley Hagler, Mrs. Julia Fox, Mrs. Tracy Parker

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THE TUSCALOOSA COUNTY SCHOOL SYSTEM

BOARD OF EDUCATION

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Deputy Superintendent .................................................................................................... Mr. David Patrick
Chief School Financial Officer ........................................................................................... Mr. Danny Higdon

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Mr. Joe Calvin
Mr. Bill Copeland
Ms. Portia Jones
Mr. Don Presley
Mr. Randy Smalley

MISSION

Our mission is to educate and empower all students to be college and career ready graduates – prepared to make positive contributions to our global society.

BELIEFS

High expectations are necessary to achieve goals and expand opportunities for all. Education is a shared responsibility that positively impacts the quality of life. Equity, fairness, accountability, and fiscal responsibility are foundations of our decision-making. Safe, well-equipped, student-centered schools support student success.

Diversity and individual learning needs are respected, included, and valued.

EQUAL EDUCATION AND EMPLOYMENT OPPORTUNITY STATEMENT

It is the policy of the Tuscaloosa County Board of Education that the school system shall place an equal emphasis upon the non-discriminatory provision of educational opportunities for students. No student shall be denied the benefits of any educational program or activity on the basis of race, color, disability, creed, national origin, age, sex, homeless status, marital status, non-English speaking ability, or migrant status. Programs offered by schools within the school system shall be open to all students in compliance with applicable outside agency guidelines, statutory and judicial requirements, and board policy.

INFORMATION FOR STUDENTS AND PARENTS

Every school system has its own story to tell. The context in which teaching and learning takes place influences the processes and procedures by which our system makes decisions around curriculum, instruction, and assessment. The context also impacts the way our system stays faithful to our vision. Our system bears the great responsibility of educating young minds. Our goal is to prepare young people for their first big step into an adult world, a world that demands self-discipline and social skills as well as academic and work skills. Every effort within all of our programs, initiatives, professional development sessions, parental involvement programs, and community outreach is geared toward the idea that we keep students first. Program reviews and the work we do on a daily basis are predicated on the belief that every student has great potential, is worthy of our every effort, and that our role as educators is to prepare them to be successful high school graduates. That success is to be measured by the fact that they will be well prepared for college or to enter the work force as a productive citizen and leader of tomorrow.

Each student is valuable and important to our future; therefore, the educational success of each student is the focus of every effort of the Tuscaloosa County School System. Curriculum offerings in the Tuscaloosa County School System are designed to meet standards and guidelines established by the Alabama State Department of Education. Curriculum planning and student placement decisions reflect policies adopted by the Tuscaloosa County Board of Education.

Parents are encouraged to consult the Tuscaloosa County School System’s website at www.tcss.net, the current Parent-Student Information Guide, school counselors, administrators, and teachers for information needed in planning course selections.

OTHER CONTACTS FOR SECONDARY SCHOOL STUDENTS

Accountability, Guidance Programs and Transcripts ...................................................................... Mrs. Jackie Hudgins—205-342-2739
Assessment and Guidance Programs ................................................................................................. Mrs. Cheryl Wallace—205-342-2743
Attendance, Discipline, 504 and McKinney-Vento .............................................................................. Mr. Gregory Hurst—205-342-2754
Career and Technical Education ........................................................................................................... Mr. Dennis Duncan—205-342-2744
Curriculum and Instruction .................................................................................................................. Dr. Pam Liebenberg—205-342-2731
Sexual Harassment .............................................................................................................................. Dr. Allison Mays—205-342-2720
Special Education ............................................................................................................................... Dr. Gwen Hardnett—205-342-2769

Dr. Patricia Powell—205-342-2728
Welcome to high school. The first step to ensure you are successful in high school and in life is to take responsibility for yourself.

Student responsibility occurs when you take an active role in your learning by recognizing you are accountable for your academic success. Your responsibility is demonstrated when you make choices and take actions which lead you toward your educational goals.

Responsible students take ownership of their actions by exhibiting the following behaviors. They:

- demonstrate academic integrity and honesty.
- attend and participate in classes, labs, and seminars, prepared and on time.
- complete the assigned work in a timely manner with attention to quality of work.
- complete college applications, work applications, and scholarship applications in a timely manner.
- avoid making excuses for their behavior (i.e. late to class, procrastination, defiance, etc.)
- communicate in a careful and respectful manner with administrators, school counselors, teachers, peers, and other members of the community.
- are engaged learners who dedicate sufficient time inside and outside of class to complete work.
- act in a civil manner that respects the learning/social environment and complies with TCSS policies outlined in the student handbook and high school course catalog.
- utilize resources and seek help when needed.
- respect diverse ideas and opinions.
- identify, develop, and implement a plan to achieve their educational goals.

High school class schedules are based on a traditional bell schedule during the regular academic year. Students will take core courses throughout the school year. In addition to the core courses, students select courses to earn the required number of credits to complete an Alabama High School Diploma. Students are encouraged to review and utilize their four-year plans during the course selection process.

Teacher recommendations and standardized test scores determine student placement in the four academic areas. Teacher approval is required for several elective courses. Counselors and teachers meet with students to advise them about course offerings, prerequisites, and placement. A signed Parent Override Form is required in order for a student to take a course against recommendation.

During the course selection process, students will select 7 to 11 courses for the upcoming academic year. Students will select 4 core courses (English, math, social studies, and science), 3 elective courses, and a maximum of 4 alternate courses. Schedules for the specific course and teacher are assigned by computer. Every effort is made to schedule each student into courses that reflect his or her first choices.

Students may not request to retake academic courses for which credit has already been awarded. Course availability is affected by many factors: student demand, school enrollment, personnel availability, and funding constraints.

School personnel complete cards for students who fail to return course selection cards or whose cards are incomplete or incorrect.

To allow transfer of credits and/or determine the appropriate class/grade placement of a student transferring to this system from a non-accredited or home school, the following shall be implemented:

1. Credit for all elective courses shall be accepted without validation.
2. Uncontested credit for core courses (English, mathematics, science and social studies) shall be transferred as follows:
   - Using all available records and nationally standardized tests, if available, the principal or his/her designee shall determine the appropriate placement and then notify the student and the parent/guardian.
   - For any initial core course the student completes successfully in this system, he/she shall be permitted to transfer in that subject area all previous credits earned at a non-accredited or home school. (Example: Successful completion of eleventh grade English in this system would allow the student to transfer ninth and tenth grade English if completed successfully at the non-accredited or home school).
3. Contested credit for core courses (English, mathematics, science and social studies) shall be transferred as follows:
   - The principal or designee shall supervise the administration of the school systems’ content-based course specific validation test. For each validation test passed, the student shall be placed in the next level core course and credit for the prerequisite course(s) shall be transferred. Once a grade-level course has been validated, all preceding courses in that content area are recorded as validated. (Policy 4.80)
Credit improvement allows students who may need or want to take a course for additional credit an opportunity to do so. Students may attempt credit improvement through advancing credit, obtaining credit, recovering credit and/or repeating credit. The alternative academic and administrative options at GRAD Academy, Project BETHEL, SPAN and TCSS Homebound Education also utilize credit improvement opportunities for the students.

Admission and eligibility requirements of various organizations are subject to change, and it is the student’s responsibility to consult with outside organizations such as universities, the AHSAA, NCAA, etc. to determine how credits earned through credit improvement (advancing credit, obtaining credit, recovering credit and repeating credit) might affect eligibility, admissions, or status.

A credit improvement application is required for participation. The application may be requested from the school. The application must be signed by the parent or guardian, the student, the high school counselor or administrator.

Credit improvement incorporates the use of technology and curriculum provided through one or a combination of the following:

- ACCESS (Alabama Connecting Classrooms, Educators and Students Statewide) Virtual Learning
  For more specific information, students should contact their school counselors or visit the ACCESS Virtual Learning website at http://accessdl.state.al.us/

  NOTE: The NCAA has approved fifty-two ACCESS courses. The list of courses may be found at www.eligibilitycenter.org. The six-digit CEEB/ACT Code for ACCESS Virtual Learning is 011919. Credit Recovery/Credit Advancement courses available through ACCESS are NOT accepted by the NCAA for eligibility purposes.

- Schools PLP Learning System – Schools PLP is provided by the Tuscaloosa County School System. None of the courses offered through Schools PLP Learning Systems are approved by NCAA.

- CORRESPONDENCE/INDEPENDENT STUDY – Students in grades 9-12 may be approved to take correspondence or independent study courses for credit. Such courses must be offered through institutions recognized by the Alabama State Department of Education or from institutions accredited by a national accrediting agency recognized by the U.S. Office of Education. Prior written approval for each correspondence/independent study course must be granted by the school Principal. Correspondence work may be taken only when the curricular offerings deny a student a course he/she particularly needs. It is the student’s responsibility to consult with outside organizations such as universities, the AHSAA, NCAA, etc. to determine how credits earned through correspondence/independent study might affect eligibility, admissions, or status.

CREDIT ACCELERATION – ADVANCING CREDIT

This program allows students who already know most of the standards taught in a particular course and who are not currently enrolled in the course to prove mastery of course content by successfully completing a pretest and posttest in that subject. Students may attempt credit advancement in math, English, science (excluding biology, physical science and chemistry as directed by the ALSDE), social studies and elective classes.

The tests used for credit advancement are locally approved computer-based or paper-pencil exams. Students interested in attempting credit advancement should contact their high school’s academic advisor to schedule an appointment.

All computer-based credit advancement exams will be given on an electronic device at the high school. Both computer-based and paper-pencil exams will be proctored by the principal’s designee at the high school. There is no fee to participate in credit advancement.
Parent permission is required to participate in credit advancement. The permission form may be obtained from each high school. This form must be signed by the parent or guardian, the student, the high school counselor, and high school principal.

Credit advancement exams can be taken within the first five days of each semester, the last ten days of each semester, and during the month of June. Students attempting credit advancement will take a pretest for the course. If the student earns at least an 80 on the pretest, then he/she will take a comprehensive posttest. The student will need to schedule an appointment to take the posttest. The posttest must be taken within one week of the results of the pretest being released to the student. Students are permitted to take the posttest on the same day as the pretest if an appointment to do so is available. If the student makes at least an 80 on the posttest, then he/she will receive credit for the course. The final grade earned on the pretest and the posttest will be averaged. The numeric average will serve as the final grade and will be posted directly to the transcript in a separate column indicating that the credit was earned through credit advancement. Credit advancement courses are not weighted. If the student earns below an 80 on the pretest, then he/she is not eligible to take the posttest or to receive credit for the course.

There is not a limit on the number of credits that a student can earn through credit advancement; however, students will be permitted to attempt credit advancement only one time per course. All rising ninth grade through twelfth grade Tuscaloosa County School System students are eligible to attempt credit advancement.

**Any credit obtained for a course through this program is not approved by NCAA.**

**CREDIT ACCELERATION – OBTAINING CREDIT**

Students who may need or want to take a course for additional credit may participate in this program. Students can attempt credit obtainment in math, English, science, social studies and elective classes. Unlike credit advancement, students will take the course in its entirety; therefore, a pretest will not be administered. Credit obtainment is an alternative to the traditional approach to course completion. Using this program, students must take the entire course and the course is not weighted.

Students eligible for credit obtainment will:

- Be a transfer student whose deficit in the required credit(s) is not due to failure of the course OR
- Be a student who exhibits the desire to earn more than the traditional credits allotted in the school year

There is not a limit on the number of credits that a student can earn through this program.

**Whether or not a credit obtained for a course through this program is approved by NCAA depends on how the instruction is provided. For example, a course taken through ACCESS Virtual Learning is approved by NCAA, but a course taken through the SchoolsPLP Learning System is currently not approved by NCAA.**

**RECOVERING CREDIT**

In accordance with guidelines established by the Alabama State Department of Education, the Tuscaloosa County School System offers students who have received failing grades in courses that are required for graduation an opportunity to recover the lost credit through a standards-based approach that will target specific knowledge and skill deficits instead of requiring students to repeat the entire course.

In order to be accepted students will

- Have an overall average of 40-59 in the course they seek to recover credit;
- Only complete the standards from the course that caused them to fail. The identification of the standards that caused the student to fail is performed through a computer-based course and skill-specific diagnostic tool. This prevents the student from having to redo the entire course and allows them to recover the lost credit in a much shorter time frame;
- Provide their own transportation to credit recovery classes when attending the after-school or summer sessions;
- Pay $100.00 course fee *(NOTE: Fees are subject to change)*;
- Earn a maximum grade of 60 with the credit recovery grade included in computing the student’s overall Grade Point Average;
- Not remove the original failing grade from the permanent record as it will be included in computing the student’s overall Grade Point Average.

Transfer students from non-AdvanceED accredited or home schools who fail the validation tests with a score of 40-59 for any core courses are also eligible for Credit Recovery.

**Any credit obtained for a course through this program is not approved by NCAA.**

**REPEATING CREDIT**

This program is primarily for those students who made less than a 40 in the class they failed. Using this program, students must retake the entire course. Instruction may be provided traditionally or non-traditionally. Also, students who are eligible for Credit Recovery but want to try and achieve higher than a 60 on their transcript for a course they failed may choose this option because students will be expected to complete all objectives from the course they failed.

**Whether or not a credit obtained for a course through this program is approved by NCAA depends on how the instruction is provided. For example, a course taken through ACCESS Virtual Learning is approved by NCAA, but a course taken through the SchoolsPLP Learning System is currently not approved by NCAA.**

**VIRTUAL LEARNING PROGRAM**

Through the TCSS Virtual Learning Program, the Tuscaloosa County School System provides students in grades 9-12 the option to complete courses by way of an online, virtual platform through ACCESS Virtual Learning. The virtual courses, which align with the Alabama College and Career Ready Standards, offer students the benefits of time, flexibility and program customization. Students who utilize the virtual program also assume increased responsibility in personal time management, organization, self-direction, and personal discipline to complete course and school requirements. A direct link to the TCSS Virtual Learning Program Handbook may be found at [www.tcss.net](http://www.tcss.net) (Policy 4.88)
SUMMER PROGRAM

The Tuscaloosa County Board of Education may operate a summer program when needed to serve the educational goals of the Tuscaloosa County School System. All summer sessions will comply with Alabama law and current administrative code. The following procedures apply to the operation of a summer program by the Tuscaloosa County School System:

1. Prior to enrolling in a summer program, a student must obtain written permission for each class from his or her principal or the principal's designated agent. Credits earned without prior approval of the principal or the principal’s designee will not be recognized.

2. Summer programs course content is determined by the Alabama Course of Study/Alabama College and Career Ready Standards for the particular course; mastery of the course content is determined in the same manner as for a course taught during the regular school year.

3. A student shall not earn credit toward graduation for a course that duplicates course content for which credit has already been awarded. A student shall not earn credit toward graduation for a course whose content is subsumed by a course for which credit has already been awarded.

200-3-1-02(8)(c)1-2

The Tuscaloosa County School System will offer a summer program in 2020. The Tuscaloosa County School System receives no funding for summer school credit improvement programs; therefore, the availability of summer course offerings at all grade levels shall be based on sufficient student demand to financially support the summer school-credit improvement programs. The costs associated with the operation of the programs shall be borne by the enrolled students. The fee for any course during the summer is $100.00.

Summer school grades shall not be averaged with regular school year grades to determine passage or failure of a course or a portion of a course. Promotion and retention determinations for students are made by the appropriate school staff in accordance with Policy 5.26.

FOUR-YEAR EDUCATIONAL PLANS

The four-year plan is designed by each student to make the most of his/her educational experience while enrolled in high school. The plan clarifies what is expected of and available to the students from the freshman year to the senior year.

The four-year plan provides a roadmap for maximizing opportunities in each student’s curricular and co-curricular life. By fully engaging this plan, students will:

- Rise to academic challenges and excel in coursework.
- Be an active and collaborative learner and participate fully in their education.
- Seek enriching experiences by pursuing activities that integrate their classroom education with community-based learning opportunities through service, co-curricular activities, leadership opportunities and/or a culminating senior experience.
- Identify and apply the skills acquired from all of your experiences.

Four-year plans are developed through K-Navigator, a web-based program used by all students in grades 8 through 12 to create their four-year high school educational plans. Students complete a personality inventory, research suggested careers, and investigate colleges, universities, and training programs all over the U.S. in 20 minutes or less. Students complete three research-based career assessments to discover personal interests, skills, and work values. Guided by their personalized results, students can search financial aid and scholarships, find colleges, get online test prep, request transcripts, build education plans, and more — all connected to their uniquely relevant career possibilities. Each student can save favorites to a lifelong portfolio, keep track of progress, and share information through an e-Profile, customizable to their information, plans, and choices. Parents can also get involved to review results and offer guidance via their free Parent account. Download a parent informational flyer to learn more. With the K-Navigator Administrative Database Management System, educators can easily measure success, improve accountability, fulfill reporting requirements, and support curriculum development.

This is a great resource for parents and students to use to begin planning for high school and after high school. This program provides a simple and user-friendly tool for developing and printing resumes. By obtaining the unique student number and pin number from the school, students can save their inventory results, high school plans, resumes, and college research. The web address is www.al.kuder.com

UNIFORM GRADING SCALE

A numerical system will be used as the uniform grading scale. The key to grades should be listed on the report cards and permanent records. Each teacher should have a minimum of one grade per week (homework, daily work, tests, etc.) for each week in a grading period. Grades may not vary from this scale (Policy: 4.71).

A = 90 – 100%  B = 80 – 89%  C = 70 – 79%  D = 60 – 69%  F = 0 – 59%

REPORT CARDS

Reports cards are for transmitting an evaluation of student progress to the student and his/her parents/guardians. Report cards and progress reports for elementary, middle, and high schools will be issued at least four (4) times during the scholastic year. (Policy: 4.71). Teachers should have a minimum of one weekly grade (homework, daily assignments, tests, etc.) for each student in each grading period.
POWERSCHOOL STUDENT AND PARENT PORTAL

The Student and Parent Portal component of the PowerSchool Student Information System is available for use by parents and students. To use the program, you must first obtain an Access ID and Password from the school for at least one of your enrolled students. To access the program, click on the PowerSchool Student and Parent Portal link provided at our system website, www.tcss.net or by visiting https://tuscaloosaco.powerschool.com/. The Student and Parent Portal can be accessed through any device with internet access, including smartphones, and iPads. Parents & Guardians should have a single account to view all connected students. Students should have individualized access with their own Access ID and Password. If your student’s information is not available, please contact the school for assistance.

FINAL COURSE GRADE

ONE-HALF CREDIT, TWO NINE-WEEK COURSES

The final course grade for students in grades 9-12 who meet exemption criteria will be determined from the average of the two nine weeks’ grades.

ONE CREDIT, TWO NINE-WEEK COURSES

The final course grade for students in grades 9-12 who meet exemption criteria will be determined from the average of the two nine weeks’ grades.

ONE CREDIT, FOUR NINE-WEEK COURSES

The final course grade for students in grades 9-12 who meet exemption criteria will be determined from the average of the four nine weeks’ grades.

REQUIRED EXAMINATIONS – SCHOOL GENERATED

The periodic use of teacher-made examinations assists school system personnel in evaluating student learning and achievement and provides a means for assessing the effectiveness of the teaching-learning process in the schools. Hence, the Board encourages teachers to ensure that students are provided with meaningful opportunities to engage in the preparation for and completion of comprehensive examinations. Comprehensive exams must be administered at the end of each nine-week grading period in both half-credit and full-credit courses. The grade earned on each comprehensive exam (excluding the comprehensive final exam administered during the conclusion of the last nine weeks of a course) will be used in calculating each nine-week grade. The weight assigned to each comprehensive exam will be determined by the teacher of the course and will not exceed 20% of the nine-week grade. The comprehensive final exam administered at the conclusion of the course will count 20% of the final grade for the course. Written examinations or other assessment techniques which measure student mastery of the content may be used. Assessments may include portfolios, products, performances, research papers, or projects. Further, teachers should have a minimum of one weekly grade (homework, daily assignments, tests, etc.) for each student in each grading period.

EXAM EXEMPTION POLICY

One-Half Credit and One Credit (Two Nine-Week Courses)

In order to be exempt from a final exam at the end of a one-half credit or a one credit, two nine-week grading period course, a 9th through 12th grade student must:

• Possess an A (90-100%) average with 3 or fewer absences, or
• Possess a B (80-89%) average with 2 or fewer absences, or
• Possess a C (70-79%) average with 1 or fewer absences, AND
• Have no discipline referrals that result in detention or suspension during the term/semester.

The final course grade for students in grades 9-12 who meet exemption criteria will be determined from the average of the two nine-week grading period for both a one-half credit and a one credit course.

One Credit (Four Nine-Week Courses)

In order to be exempt from a final exam at the end of a one credit, four nine-week grading period course, a 9th through 12th grade student must:

• Possess an A (90-100%) average with 6 or fewer absences, or
• Possess a B (80-89%) average with 4 or fewer absences, or
• Possess a C (70-79%) average with 2 or fewer absences, AND
• Have no discipline referrals that result in detention or suspension during the school year.

The final course grade for students in grades 9-12 who meet exemption criteria will be determined from the average of the four nine-week grading periods for a one credit course.
REQUIRED EXAMINATIONS – SYSTEM AND STATE GENERATED

In addition to the exams administered by the teachers of the course, the Tuscaloosa County School System administers tests mandated by the Alabama State Department of Education to help students benchmark their progress through school so they will be better prepared for their chosen careers and post-secondary studies.

PreACT (Grade 10)
All tenth-grade students take the PreACT in September or October. The PreACT test provides students with practice for the ACT test and measures progress towards college readiness. The PreACT score and predicted ACT score ranges align to the ACT 1-36 scale. Students may opt to share their information with colleges and scholarship agencies. The ACT Interest Inventory results provide students with a personalized view of interests with college and career alignment. The valuable results from these tools provide actionable insights to help educators, parents and students make important decisions for the future.

ACT plus Writing (Grade 11)
All eleventh-grade students take the ACT plus Writing in March. This provides all students one opportunity to test at their local school free of charge. The ACT plus Writing assessment contains four curriculum-based tests that measure academic achievement in English, mathematics, reading, and science reasoning. The assessment measures academic development based upon a student’s skills in applying content knowledge and reasoning skills acquired in his or her course work. ACT plus Writing is an assessment used for college admission. More information, including additional testing dates and sample test questions, may be found at www.act.org.

ACT WorkKeys (Grade 12)
All twelfth-grade students take the ACT WorkKeys in October. ACT WorkKeys is a job skills assessment system that helps employers select, hire, train, develop, and retain a high-performance workforce. As part of ACT’s Work Readiness System, ACT WorkKeys helps students build their skills to increase global competitiveness and develop successful career pathways. Successful completion of ACT WorkKeys assessments in Applied Mathematics, Locating Information, and Reading for Information can lead to earning ACT’s National Career Readiness Certificate (NCRC), a portable credential.

Civics Test (Grade 12)
According to Senate Bill 32, all Alabama graduating seniors must pass the new Civics test. The locally developed Civics test must use items that are published annually by the United States Citizenship and Immigration Services (USCIS) – along with state and local history, government, and geography components of the high school curriculum.

OPTIONAL COLLEGE AND CAREER READINESS EXAMINATIONS

PSAT – National Merit Scholarship Qualifying Test
The Preliminary SAT (PSAT) is the National Merit Scholarship Qualifying Test (NMSQT) that measures critical reading skills, math problem-solving skills, and writing skills. By taking the PSAT, students can become familiar with the SAT and see how their scores on a college entrance exam compare nationally with their peers applying to college. Students in the 10th grade may take the test for practice. Students must test during their junior year to be considered for National Merit Scholarships. Being selected as a National Merit Scholar is one of the highest academic honors that a student may earn.

The anticipated national test date for the 2020–2021 school year is Wednesday, October 14, 2020. Students must register with their school counselors at least six weeks prior to the test date. Payment is required at the time the student registers for the test. More information about PSAT, including sample test questions, can be found at www.collegeboard.org.

PSAT 8/9
The PSAT 8/9 is a test that helps students and their teachers figure out what the students need to work on most so that they are ready for college when they graduate from high school. It tests the same skills and knowledge as the SAT, PSAT/NMSQT, and PSAT 10 — in a way that makes sense for their grade level. Schools choose a Fall date between late September 2020 and late January 2021 or a Spring date between late February 2021 and early March 2021.

The PSAT 8/9 establishes a baseline measurement of the students’ college and career readiness as they enter high school. It also gives students a chance to preview the SAT, PSAT/NMSQT, and PSAT 10 and connect to AP courses. When students get their test results, they may connect their College Board and Khan Academy® accounts to get free personalized study recommendations. The test results for students in ninth grade will let them know if they should consider taking AP European History.

SAT and SAT Subject Tests
The SAT and SAT Subject Tests are a set of tools designed to assess student’s academic readiness for college. More information about the SAT and SAT Subject Tests, including sample test questions, may be found at www.collegeboard.org.

ASVAB
The Armed Services Vocational Aptitude Battery (ASVAB) is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success in the military. More information about the ASVAB, including sample test questions, may be found at www.oficial-asvab.com.

ACT ONLINE PREP AND ACT FEE WAIVERS

ACT Online Prep
Access to ACT’s online prep program is available to all high school juniors, free of charge, through either fee waivers (see information below) or through the Alabama State Department of Education. This online service provides 11th grade students with practice tests including real ACT test questions, practice essays for the new optional ACT Writing Test (with real-time scoring), comprehensive content review for each of the ACT’s four required tests—English, Math, Reading, and Science, a diagnostic test and a personalized study plan. The website to access this program is www.actonlineprep.org. Further information may be obtained from your school.

ACT Fee Waivers
Students testing on a national test date and who cannot afford the registration fee for the ACT or ACT with writing, may be eligible for an ACT Fee Waiver. Students must meet all of the following requirements:
1. Currently enrolled in high school in the 11th or 12th grade.
2. Either a United States citizen or testing in the US, US territories, or Puerto Rico.
3. Meet one or more indicators of economic need listed on the ACT Fee Waiver form. Eligible students may use a maximum of two separate fee waivers total. The waiver is used once students register, even if they do not test on the requested test date.

IMPORTANT: To take full advantage of the waiver, students must follow through and test on their registered test date. An ACT Fee Waiver covers the regular registration fee for either the ACT (no writing) or the ACT with writing. The waiver covers one report to a student’s high school and up to six college choices (at the time he or she registers). After registration, the student can request up to an additional 20 regular score reports for free. Waivers may not be used to pay for any additional fees (including late registration fees), products, or services. Students cannot request a fee waiver directly from ACT. Fee waivers may be requested from the high school.

NOTE: If students register online and register during the late period or request any additional services, a credit card must be used to pay those fees before submitting the registration.

ELIGIBILITY FOR PARTICIPATION IN EXTRA-CURRICULAR ACTIVITIES

The Tuscaloosa County Board of Education recognizes the value of athletics and other extracurricular activities as they relate to the total education of students. The Tuscaloosa County Board of Education also recognizes and supports high academic standards and the necessity of developing a framework to assess annually the progress of each student who participates in athletics or extracurricular activities toward graduating from high school on schedule with his/her class.

The Tuscaloosa County Board of Education prescribes the following regulations for eligibility:

1. Students must be enrolled in a school of the school system.

2. Extracurricular activities associated with athletics are defined as those recognized and sanctioned by the Alabama High School Athletic Association, and other extracurricular activities are defined as those that are sanctioned by a public school that are not related to a student’s academic requirements or success in a course.

3. Regular curricular activities are defined as those that are required for satisfactory course completion.

4. Students entering grades 10 through 12 must, for the last 2 terms/semesters of attendance and summer school, if applicable, have a passing grade and earn the appropriate number of credits in each of 6 subjects that total 6 Carnegie units of credit, including 4 credits from the 4 core subjects composed of English, science, social studies, and mathematics with a numerical composite average of 70. Students entering grades 8 and 9 must, for the last two terms/semesters of attendance and summer school, if applicable, have a passing grade in 5 subjects with a composite numerical average of 70. Students promoted to the seventh grade for the first time are eligible. (A term/semester is defined as one-half of a school year as defined by the local Board of Education adopted school year calendar.)

5. Physical education may count as only 1 unit per year.

6. Eligibility shall be determined on the first day of the local school year and shall remain in effect for 1 complete school year. Students deemed ineligible at the beginning of the school year by virtue of having failed to meet the requirements outlined in item #3 may regain their eligibility either by successfully completing the required courses through an accredited program by September 1st OR at the end of the first term/semester by meeting the requirements for eligibility in the two most recently completed terms/semesters, including summer school. Eligibility restoration must be determined no later than 5 days after the beginning of the succeeding term/semester. An ineligible student may not become eligible after the fifth day of each term/semester.

7. Bona fide transfers may be handled according to rules of the Alabama High School Athletic Association for sports and rules to be developed by the local Board of Education as they pertain to other extracurricular activities. The rules and regulations for athletic eligibility for transfers according to the Alabama High School Athletic Association may be found at www.AHSAA.com.

8. Each eligible student must have a minimum composite numerical average of 70 on six (6) Carnegie units from the preceding year, including summer school. Summer school work passed may substitute for regular school work repeated in computing the 70 average.

9. Each eligible student involved in athletics must meet the definition of a regular student as defined by the Alabama High School Athletic Association.

10. Any student who earns more than four (4) credits in the core curriculum in any given year or who accumulates a total in excess of the required four (4) per year may be exempt from earning the four (4) core courses in the succeeding year as long as that student remains on track for graduation with his/her class and the grade was not previously used in calculating eligibility.

11. Sixth grade students are eligible for non-athletic extra-curricular activities. Students promoted to the seventh grade for the first time are eligible for all extra-curricular activities.

12. School sponsors are required to submit a request for each curricular activity that occurs outside the regular school day and/or school to the Principal, Superintendent, and the local Board of Education for approval.

13. Each request for full participation by all students, regardless of academic standing, in a curricular activity shall be granted if the Principal, Superintendent, and the local Board of Education approve participation in the activity as an extension of a course requirement and it is an event sanctioned by a state/national subject matter association.

14. Notwithstanding anything to the contrary in this regulation, activities offered by the school through mathematics, science, band, choral music, and other courses at events such as athletic events (pre-game, game, halftime, or other breaks), club conventions, parades, amusement park trips and competitions, trips by tour companies, performances at various meetings, etc., are extracurricular, and students academically ineligible under this policy shall not be allowed to participate.

*Unit calculations for regaining eligibility at the end of the first term/semester may not coincide exactly with units for graduation for students in schools on a different academic calendar. (Policies 5.80 and 5.81)
NCAA INITIAL-ELIGIBILITY REQUIREMENTS

NCAA DIVISION I
- Sixteen (16) core courses are required (for subject-area requirements see chart at http://fs.ncaa.org/Docs/eligibility_center/Quick_Reference_Sheet.pdf).
- Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school.
- Seven of the 10 core courses must be English, math or natural/physical science.
- Earn a core-course GPA of at least 2.30.
- Graduate high school.

NCAA DIVISION II
- Division II currently requires 16 core courses.
- Earn a core-course GPA of at least 2.200.
- Graduate high school.

Remember, the NCAA core GPA is calculated using NCAA core courses only.

IMPORTANT NOTE REGARDING ESSENTIALS SKILLS PATHWAY AND ALTERNATE ACHIEVEMENT PATHWAY CORE COURSES
The substitute courses for special education students are intended for students with IEPs. The Curriculum Guide to the Alabama Course of Study contains the course content for students following the Essentials/Alternate Achievement Pathway. Careful consideration should be given before a student is allowed to take one of the courses. None of these courses will be accepted in a four-year university nor will they be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting one of these courses.

VALEDICTORIANS, SALUTATORIANS AND HONOR GRADUATES

In an effort to encourage academic excellence and achievement on the part of students throughout the school system, the Board directs that each high school principal, with the assistance of appropriate staff members, select a valedictorian, a salutatorian, and honor graduates as a way of appropriately honoring those students who have pursued and attained high academic goals. Following are the criteria for determining who may be eligible for these honors:

**VALEDICTORIAN AND SALUTATORIAN**
The student with the highest numerical grade average who qualifies to receive Academic Distinction to the Alabama High School Diploma will be the class valedictorian. The student with the second highest numerical grade average who qualifies to receive Academic Distinction to the Alabama High School Diploma will be the class salutatorian.

In the case of a tie (after carrying the grade average to 4 decimal places and rounding to 3 places), students having the same average will be recognized as co-valedictorians or co-salutatorians. The numerical grade average for the candidates will be computed on course work taken beginning with the freshman year through the second term of the senior year. All term grades will be used.

Advanced Placement (AP) grades will be weighted by adding 10 points to each final grade earned in an AP class. Students are required to take the National AP Exam developed by the College Board in each AP course to receive the weighted credit. All Pre-Advanced Placement (Pre-AP) and Honors grades will be weighted by adding 5 points to each semester grade earned in a Pre-AP or Honors class. Students must take a comprehensive final exam in each Pre-AP or Honors course to receive the weighted credit.

In the case of a transfer student who has AP grades, only those courses recognized as AP by The College Board will be weighted. If a student fails an AP course, no weighted credit will be added to the configuration.

The candidates for valedictorian and salutatorian must have been enrolled at the high school for one full school year prior to the date of their graduation. If letter grades are present on a candidate’s transcript, the candidate must have the respective school(s) attended submit the grades in numerical form. If school officials of the school that the student attended cannot or will not convert the letter grades to numerical grades, the letter grades will be transposed to numerical grades. (See page 5 for grade scales.)

**HONOR GRADUATES**
The honor graduates are graduating seniors who have qualified to receive an Academic Distinction to the Alabama High School Diploma and have an overall grade point average (GPA) of 4.0 (on a 4-point scale) on all courses taken during the freshman year through the second semester of the senior year. The candidates for other end-of-year honors must have been enrolled prior to the beginning of the second term of the senior year. Approved College Board Advanced Placement courses will be weighted when calculating grade point averages only for students who sit for the AP exam.
**DUAL ENROLLMENT – GENERAL INFORMATION**

**ELIGIBILITY/GPA FOR ACADEMIC AND/OR CAREER AND TECHNICAL EDUCATION DUAL ENROLLMENT**
- Students must meet the entrance requirements of the college.
- Students must be in grade 10, 11, or 12 (An exception may be granted upon the recommendation of the student’s principal and superintendent and in accordance with Alabama Administrative Code 290-8.9-17 regarding gifted and talented students).
- For Shelton State Community College and Bevill State Community College, students must have a minimum cumulative (unweighted) high school grade point average (GPA) of 2.50 on a 4.00 scale for academic courses and a 2.00 on a 4.00 scale for technical courses. (Shelton State Community College allows a 2.00 GPA on a 4.00 scale for technical courses.) For Stillman College and UA Early College, students must have a minimum cumulative (unweighted) high school grade point average (GPA) of 3.00 on a 4.00 scale.
- Students will remain in continuous eligibility as long as a grade of “C” or better in all attempted college courses is earned.
- An application for dual enrollment course requests must be submitted for each semester.

**ATTENDANCE**
- Students will follow the college schedule of classes to include holidays and breaks unless agreements have been made between the college and high schools that dictate otherwise.
- Students are expected to attend each class session, to arrive on time, and to remain for the entire class session.
- In cases of excessive absences, the student should withdraw from the course before the last date to withdraw, as published in the college’s academic calendar.

**PROGRESSION**
- Students are allowed to take 2 classes per semester during the high school academic year (Fall and Spring semesters). During the Summer term, students in the career and technical education programs may take up to 4 classes in their program of study.
- Students in career and technical education programs who require academic courses to graduate, and whose placement scores are sufficient, may also take academic courses for Dual Enrollment credit.
- Students who receive the Career and Technical Education Dual Enrollment (CTEDE) Scholarship are required to pass each course to continue in the program.

**GENERAL INFORMATION**
- Courses approved for dual enrollment must either be those that are not offered on the high school campus or those that are appropriate substitutions for courses offered on the high school campus.
- Three semester hours must be used to substitute one Carnegie unit in high school.
- **Prior approval is required for dual credit to be granted.**
- High school credit will be recorded on a student’s transcript when the high school receives grades verifying that the student has earned three hours in the approved college course. High school seniors may only take dual enrollment courses required for graduation during the fall of the senior year; elective courses not being utilized to meet graduation requirements can be taken during a senior’s spring semester.
- Weighted credit is not awarded for dual enrollment courses.
### ENGLISH COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>PREREQUISITE(S)</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition I</td>
<td>ENG 101 - SSCC and BSCC</td>
</tr>
<tr>
<td>ENG 101 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>English Composition II</td>
<td>ENG 102 - SSCC and BSCC</td>
</tr>
<tr>
<td>ENG 102 - Stillman</td>
<td>As required by program</td>
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### SCIENCE COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>PREREQUISITE(S)</th>
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</thead>
<tbody>
<tr>
<td>Introduction to Biology I</td>
<td>BID 101 - BSCC</td>
</tr>
<tr>
<td>BID 101 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>BID 112 - UA</td>
<td>As required by program</td>
</tr>
<tr>
<td>Principles of Biology I</td>
<td>BID 103 - BSCC and BCC</td>
</tr>
<tr>
<td>BID 103 - Stillman</td>
<td>As required by program</td>
</tr>
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### ADDITIONAL COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>PREREQUISITE(S)</th>
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<tbody>
<tr>
<td>Principles of Biology II</td>
<td>BID 104 - BSCC and BSCC</td>
</tr>
<tr>
<td>Principles of Biology II</td>
<td>BSC 116 and BSCC 117 - UA (Nursing &amp; Pre-Med Majors)</td>
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<tr>
<td>Principles of Biology II</td>
<td>BSC 114 and BSC 115</td>
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### MATHEMATICS COURSES

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<th>Course</th>
<th>PREREQUISITE(S)</th>
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<tbody>
<tr>
<td>Intermediate College Algebra</td>
<td>MTH 100 - SSCC and BSCC</td>
</tr>
<tr>
<td>MTH 100 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>Mathematical Applications</td>
<td>MTH 116 - SSCC and BSCC</td>
</tr>
<tr>
<td>MTH 116 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>Pre-Calculus Algebra</td>
<td>MTH 112 - SSCC, BSCC, and UA</td>
</tr>
<tr>
<td>MTH 134 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>Pre-Calculus Trigonometry</td>
<td>MTH 113 - SSCC, BSCC, and UA</td>
</tr>
<tr>
<td>Calculus I</td>
<td>MTH 125 - SSCC and BSCC</td>
</tr>
<tr>
<td>MTH 125 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>Calculus II</td>
<td>MTH 126 - SSCC and BSCC</td>
</tr>
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<td>MTH 126 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>Calculus II</td>
<td>MTH 127 - SSCC and BSCC</td>
</tr>
<tr>
<td>MTH 127 - Stillman</td>
<td>As required by program</td>
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### SOCIAL STUDIES COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>PREREQUISITE(S)</th>
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<tbody>
<tr>
<td>United States History I</td>
<td>HIS 201 - BSCC and BSCC</td>
</tr>
<tr>
<td>HIS 201 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>United States History II</td>
<td>HIST 103 - BSCC and BSCC</td>
</tr>
<tr>
<td>HIST 103 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>American National Government</td>
<td>POL 211 - SSCC and BSCC</td>
</tr>
<tr>
<td>POL 211 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>Principles of American Government</td>
<td>PSC 239 - Stillman</td>
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<tr>
<td>Principles of American Government</td>
<td>PSC 239 - Stillman</td>
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<tr>
<td>Principles of Political Science</td>
<td>PSC 101 - UA</td>
</tr>
<tr>
<td>Principles of Macroeconomics</td>
<td>ECO 331 - SSCC and BSCC</td>
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### CAREER TECHNICAL EDUCATION AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION

<table>
<thead>
<tr>
<th>Course</th>
<th>PREREQUISITE(S)</th>
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<tbody>
<tr>
<td>Career Technical Education</td>
<td>3 hours in approved course(s).</td>
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<tr>
<td>Foreign Language</td>
<td>3 hours in approved course(s).</td>
</tr>
<tr>
<td>Arts Education</td>
<td>3 hours in approved course(s).</td>
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<tr>
<td>Additional Academic Electives</td>
<td>3 hours in approved course(s).</td>
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### UNIVERSITY OF ALABAMA EARLY COLLEGE

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<thead>
<tr>
<th>Course</th>
<th>PREREQUISITE(S)</th>
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<tbody>
<tr>
<td>Science</td>
<td>MTH 111 - SSCC and BSCC</td>
</tr>
<tr>
<td>MTH 111 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>College Engineering</td>
<td>CHM 101 - Stillman</td>
</tr>
<tr>
<td>CHM 101 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>General Physics I - Trig Based</td>
<td>PHY 201 - BSCC and BSCC</td>
</tr>
<tr>
<td>PHY 201 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>General Physics II - Trig Based</td>
<td>PHY 202 - BSCC and BSCC</td>
</tr>
<tr>
<td>PHY 202 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>General Physics with Cal I</td>
<td>PHY 213 - BSCC and BSCC</td>
</tr>
<tr>
<td>PHY 213 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>General Physics with Cal II</td>
<td>PHY 214 - BSCC and BSCC</td>
</tr>
<tr>
<td>PHY 214 - Stillman</td>
<td>As required by program</td>
</tr>
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### DUAL ENROLLMENT AGREEMENTS HAVE BEEN ESTABLISHED BETWEEN THE TUSCALOOSA COUNTY SCHOOL SYSTEM AND SHIELTON STATE COMMUNITY COLLEGE

<table>
<thead>
<tr>
<th>Course</th>
<th>PREREQUISITE(S)</th>
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<tbody>
<tr>
<td>College Chemistry I</td>
<td>CHM 102 - Stillman</td>
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<tr>
<td>CHM 102 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>General Chemistry II</td>
<td>GEO 101 - Stillman</td>
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<td>GEO 101 - Stillman</td>
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<tr>
<td>College Chemistry II</td>
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<td>GEO 102 - Stillman</td>
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### 2020-2021 APPROVED DUAL ENROLLMENT COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>PREREQUISITE(S)</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States History I</td>
<td>HIS 201 - Stillman</td>
</tr>
<tr>
<td>HIS 201 - Stillman</td>
<td>As required by program</td>
</tr>
<tr>
<td>American National Government</td>
<td>POL 211 - Stillman</td>
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<tr>
<td>POL 211 - Stillman</td>
<td>As required by program</td>
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<tr>
<td>Principles of American Government</td>
<td>PSC 239 - Stillman</td>
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<td>Principles of American Government</td>
<td>PSC 239 - Stillman</td>
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<tr>
<td>Principles of Political Science</td>
<td>PSC 101 - Stillman</td>
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<tr>
<td>Principles of Macroeconomics</td>
<td>ECO 331 - Stillman</td>
</tr>
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<table>
<thead>
<tr>
<th>Course</th>
<th>PREREQUISITE(S)</th>
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<tbody>
<tr>
<td>Career Technical Education</td>
<td>3 hours in approved course(s).</td>
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<tr>
<td>Foreign Language</td>
<td>3 hours in approved course(s).</td>
</tr>
<tr>
<td>Arts Education</td>
<td>3 hours in approved course(s).</td>
</tr>
<tr>
<td>Additional Academic Electives</td>
<td>3 hours in approved course(s).</td>
</tr>
</tbody>
</table>
DUAL ENROLLMENT – BEVILL STATE & SHELTON STATE

STEPS TO DUAL ENROLLMENT – BEVILL STATE
1. Students applying for dual enrollment are encouraged to speak with their high school counselor before applying.
2. Submit online application or paper application. Student will receive student ID number after applying online. Required
3. Submit photo ID (Alabama driver license or state-issue identification card) and signature page to Enrollment Services.
4. Submit high school transcript documenting the required grade point average and ACT scores to Enrollment Services.
5. Dual Enrollment for Dual Credit Eligibility Form with required signature of principal or counselor. (Please use black or blue ink.)
6. Residency statement must be signed and submitted if student applies online. (Please use black or blue ink.)
7. Submit registration documents to DualEnrollment@bscc.edu.

STEPS TO DUAL ENROLLMENT – SHELTON STATE
1. Students applying for dual enrollment are encouraged to speak with their high school counselor before applying.
2. Submit online application. Student will receive student ID number after applying online. Required
3. Submit photo ID (Alabama driver license or state-issue identification card) and signature page to Enrollment Services by mail, fax, or email.
4. Submit high school transcript documenting the required grade point average to Enrollment Services by mail, fax, or email.
5. Submit Dual Enrollment Permission Form for Dual Credit Students with required signature of counselor. (Please use black or blue ink.)
6. Must take College Placement Assessment if appropriate ACT scores are not on file. (a) ACT scores of 18 or higher in English, 18 or higher in math or (b) College Placement Assessment
7. Courses must be at or above 100 level and PED classes are not eligible.
8. Once applications are complete, Shelton State personnel will assist student in registering for courses.
9. Students who fail to meet the minimum grade requirement or who withdraw from a course will be suspended from the program for a minimum of one term, not including the summer term.
10. For re-entry, the student must reapply to the program and must meet the minimum (unweighted) grade point average of 2.50 on a 4.00 scale (academic) or a 2.5 on a 4.0 scale (technical). (Shelton State Community College accepts a 2.0 on a 4.0 scale for technical courses only.)

To apply for career technical funding, email additional required paperwork below to dualenrollment@sheltonstate.edu.
11. Career Assessment through K-Navigator or YouScience to determine suitability for career pathway in career technical program. For more information, consult your high school counselor.
12. For career technical funds, the results of the student's career assessment must correspond with the course(s) indicated on Dual Enrollment for Dual Credit permission form.

Scholarship applications for the Career Technical Scholarship are received during the following timeframes:

<table>
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<tr>
<th>Semester</th>
<th>Deadline</th>
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<tbody>
<tr>
<td>Fall semester</td>
<td>March 1 – May 3</td>
</tr>
<tr>
<td>Spring semester</td>
<td>October 1 – December 6</td>
</tr>
<tr>
<td>Summer semester</td>
<td>March 1 – May 3</td>
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</tbody>
</table>

REQUIRED FORMS FOR SSCC ARE AS FOLLOWS:

- Career Technical Dual Enrollment Checklist
- Academic Dual Enrollment Checklist
- Dual Enrollment Permission Form for Dual Credit Students (Please use black or blue ink.)

DUAL ENROLLMENT – STILLMAN COLLEGE

DUAL ENROLLMENT AT STILLMAN COLLEGE
- Students with a GPA of 3.0 or higher should complete an online application at www.stillman.edu.
- A high school transcript should be uploaded through the website.
- Dr. Victoria Boman should be notified that the dual enrollment application has been completed.

Each high school may submit a comprehensive list of students interested in dual enrollment to Dr. Boman for the upcoming semester. Upon receipt of this list, Dr. Boman will visit the high school, meet with interested students, collect necessary paperwork, and facilitate an online orientation.
DUAL ENROLLMENT – UA EARLY COLLEGE

STEP 1: APPLY TO UA EARLY COLLEGE
Complete an online application and student essay. Ask your counselor to sign a cover memo and submit it, along with your transcript, to UA Early College. Students must be a current sophomore, junior or senior in high school with a 3.0 or higher grade point average (or the equivalent), cumulative since the 9th grade. All three steps must be completed before applications will be considered.

Complete the UA Early College online application
- Click here to complete the online application (with $40 application fee)
- DO use the application link called “Early College”
- DO use the UA Early College application tutorial, to see exactly how to complete the correct application
- DO NOT use the application link for “Distance Learning Programs”

Counselor Cover Memo, Dual Enrollment Approval Form and Transcript
- Open the Counselor Cover Memo
- Fill out the top portion of the Counselor Verification Cover Memo, and print the form
- Take the Counselor Verification Cover Memo to the high school counselor for his or her verification and signature
- Counselors should use the counselor memo and can submit the transcript either
  o by mail to UA Early College, Box 870365, Tuscaloosa, AL, 35487-0365
  o by secure email to earlycollege@ccs.ua.edu
  o using their electronic transcript provider
  o by secure fax to (205) 348-3165

Student Essay
After you complete the online application, click here to complete the Student Essay. (Suggested Browsers: Firefox or Safari)
Email: earlycollege@ua.edu
Call: (205) 348-7083 or toll-free 877-823-8759

STEP 2: TAKE UAEC 200 COLLEGE READINESS COURSE
UAEC 200 teaches students how to be a successful college student. All students are required to pass UAEC 200 to be eligible for any further courses, including online courses as well as the Summer On Campus experience. Students earn their first two UA credit hours in the UAEC 200 College Readiness Course. Students and their parents participate in an orientation session – first class meeting of UAEC 200 – either on campus, online, or at a facility in the local area. Then, students complete the UAEC 200 College Readiness Course online during the 3-4 weeks following orientation. In UAEC 200, students learn:
- How to navigate online courses
- Time management
- Reading college text and preparing for college tests
- Research skills, using UA Libraries Online
- Freshman writing skills (proper citations, avoiding plagiarism)
- College communication and email etiquette
- How to format a college paper using the latest MLA
- And most importantly, how to be a successful college student!

STEP 3: CHOOSE WHEN TO TAKE CLASSES
An academic advisor will provide students with a list of specific courses and semester dates. UA Early College helps students decide when and what classes to take based on their anticipated college major and high school commitments.
UA Early College offers online courses year-round, and students have the flexibility to study anytime, 24 hours per day / 7 days per week, anywhere they have access to high-speed Internet.

ACCELERATED HIGH SCHOOL/CONCURRENT ENROLLMENT

ACCELERATED HIGH SCHOOL: Opportunities exist for students who may benefit from enrollment in higher education institutions prior to graduation from high school. If approved for early admission, a student may enroll, with the permission of the principal, in college-level courses that provide enrichment or accelerated learning. In order to enroll in academic courses, the student must have an overall 3.0 GPA. The student receives only college credit for courses taken through the early admission program.

ACCELERATED HIGH SCHOOL AT BEVILL STATE COMMUNITY COLLEGE AND SHELTON STATE COMMUNITY COLLEGE
Both Bevill State Community College and Shelton State Community College offer eligible high school sophomores, juniors and seniors the chance to enroll in college classes concurrently with high school classes. High school students will receive college credit only. Students may enroll in the accelerated high school program at both Bevill State Community College and Shelton State Community College the summer after beginning the 10th grade year.

CONCURRENT ENROLLMENT AT UA EARLY COLLEGE AND THE UNIVERSITY OF ALABAMA
The University of Alabama offers eligible sophomores, juniors and seniors the chance to enroll in college classes concurrently with high school classes. High school students will receive college credit only. Students may enroll in the accelerated high school program at UA Early College the summer after successfully completing the 9th grade year.
Advanced Placement (AP) and Honors coursework provides students with an opportunity for learning that goes beyond just the facts and figures. The rich course material, classroom discussions, and demanding assignments typical of AP and Honors courses will help students develop the content mastery and critical thinking skills expected of college students. AP and Honors courses help students improve their writing skills, sharpen problem-solving abilities, and develop time management skills. Additionally, by participating in AP, students have the opportunity to earn college credit and to stand out in the college admission process.

Students who choose Honors and AP coursework can expect the following:

- Significantly increased rigor – content is covered much more extensively.
- Additional outside class responsibilities – increased homework, reading, research, study, and participation in study groups (which will meet outside school hours).
- Frequent writing assignments – essays, research papers, etc.
- Testing in a timed AP format.
- AP testing fees – amount varies based on grant fund availability.
- Weighted GPA credit (1.0 point for AP courses and 0.5 point for Honors). Students must take a comprehensive final exam in each Honors course to receive the weighted credit and are required to take the National AP Exam developed by the College Board in each AP course to receive the weighted credit.
- Students who take year-long AP courses may not drop the class after the first semester.
- Students and parents should carefully weigh the unique demands of the Honors and AP coursework with the student’s demonstrated ability, extracurricular obligations, motivation, and work ethic to determine whether or not the Honors/AP coursework is the right course choice. Additional information about the AP program can be found at www.collegeboard.org.

- If an AP student commits a Class III offense and is assigned to an alternative academic administrative option (GRAD – Project BETHEL – SPAN), the student will be given the opportunity to take an AP course through ACCESS Virtual Learning. If the student chooses this option, he/she will be expected to finish the AP course through ACCESS Virtual Learning even upon returning to his/her respective school. For any fall semester two nine weeks AP course, this option is not available after October 1st. For any four nine weeks AP course or any spring semester two-nine weeks AP course, this option is not available after March 1st. Students will bear the cost of ACCESS Virtual Learning AP courses. If the student does not choose this option, he/she will be enrolled in regular level courses for the remainder of the school year.
### Graduation Requirements for Graduating Class of 2024
(Students Must Refer to the Course Catalog Under Which They Entered High School)

All requirements must be met for participation in the graduation ceremony. The focus will be on the coursework taken that necessitates a clearly articulated and individualized four-year plan built by each student. Students are encouraged to consult school administrators, guidance counselors, teachers, and post-secondary institutions to determine best course selections. Post-secondary institutions have varying entrance requirements; therefore, it is the responsibility of the student to determine from the specific post-secondary institutions the appropriate high school courses needed. All students earning a high school diploma in the Tuscaloosa County School System must have a minimum of 24 units.

<table>
<thead>
<tr>
<th>COURSES</th>
<th>REQUIREMENTS TO RECEIVE AN ALABAMA HIGH SCHOOL DIPLOMA</th>
<th>CREDITS</th>
<th>REQUIREMENTS TO RECEIVE ACADEMIC DISTINCTION TO THE ALABAMA HIGH SCHOOL DIPLOMA</th>
<th>CREDITS</th>
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<tr>
<td><strong>English Language Arts</strong> (4 Credits)</td>
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<td></td>
<td>EQUIVALENT OPTIONS MAY INCLUDE:</td>
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<tr>
<td></td>
<td>• SIX APPROVED COURSES (i.e., ESSENTIAL SKILLS PATHWAY COURSES)</td>
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<td></td>
<td>• ADVANCED ENGLISH III (AP COURSES)</td>
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<tr>
<td><strong>Mathematics</strong></td>
<td>EQUIVALENT/SUBSTITUTE OPTIONS MAY INCLUDE:</td>
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<td>• ADVANCED PLACEMENT SCIENCE</td>
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<td>• POST-SECONDARY COURSES</td>
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<td>• POST-SECONDARY COURSES</td>
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<td><strong>Science</strong></td>
<td>EQUIVALENT/SUBSTITUTE OPTIONS MAY INCLUDE:</td>
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<td>EQUIVALENT OPTIONS MAY INCLUDE:</td>
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<td>• POST-SECONDARY COURSES</td>
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<tr>
<td><strong>Social Studies</strong></td>
<td>EQUIVALENT/SUBSTITUTE OPTIONS MAY INCLUDE:</td>
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<td>EQUIVALENT OPTIONS MAY INCLUDE:</td>
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<td>• POST-SECONDARY COURSES</td>
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<td>• POST-SECONDARY COURSES</td>
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<tr>
<td><strong>Beginning Kinesiology (Beginning 2019-2020)</strong></td>
<td>EQUIVALENT/SUBSTITUTE OPTIONS MAY INCLUDE:</td>
<td></td>
<td>EQUIVALENT OPTIONS MAY INCLUDE:</td>
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<td></td>
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<td>• POST-SECONDARY COURSES</td>
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<td>• POST-SECONDARY COURSES</td>
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<td><strong>Health Education (5 Credits)</strong></td>
<td>EQUIVALENT/SUBSTITUTE OPTIONS MAY INCLUDE:</td>
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<td>EQUIVALENT OPTIONS MAY INCLUDE:</td>
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<td></td>
<td>• SIX APPROVED COURSES (i.e., ESSENTIAL SKILLS PATHWAY COURSES)</td>
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<tr>
<td><strong>Career Preparation (1 Credit)</strong></td>
<td>CAREER PREPARATION COURSE OR SUBSTITUTE</td>
<td></td>
<td>CAREER PREPARATION COURSE OR SUBSTITUTE</td>
<td></td>
</tr>
<tr>
<td><strong>CTE and/or Foreign Language and/or Arts Education (3 Credits)</strong></td>
<td>STUDENTS CHOOSING CTE, ARTS EDUCATION, AND/OR FOREIGN LANGUAGE ARE ENCOURAGED TO COMPLETE TWO COURSES IN SEQUENCE.</td>
<td></td>
<td>STUDENTS WILL BE REQUIRED TO CHOOSE ONE FOREIGN LANGUAGE, AND/OR ARTS EDUCATION.</td>
<td></td>
</tr>
<tr>
<td><strong>Electives (Remaining Credits)</strong></td>
<td>STUDENTS EARNING CREDIT THROUGH THE ESSENTIAL/LIFE SKILLS COURSES ARE REQUIRED TO TAKE COMMUNITY BASED WORK INSTRUCTION, TWO CTE COURSES IN A SEQUENCE, WORKFORCE ESSENTIALS OR TRANSITION SERVICES; COOPERATIVE EDUCATION/WORK-BASED EXPERIENCE OR <strong>AAS LIFE SKILLS FOR STUDENTS EARNING CREDIT THROUGH THE ESSENTIAL/LIFE SKILLS COURSES</strong>.</td>
<td></td>
<td>STUDENTS EARNING CREDIT THROUGH THE ESSENTIAL/LIFE SKILLS COURSES ARE REQUIRED TO TAKE COMMUNITY BASED WORK INSTRUCTION, TWO CTE COURSES IN A SEQUENCE, WORKFORCE ESSENTIALS OR TRANSITION SERVICES; COOPERATIVE EDUCATION/WORK-BASED EXPERIENCE OR <strong>AAS LIFE SKILLS FOR STUDENTS EARNING CREDIT THROUGH THE ESSENTIAL/LIFE SKILLS COURSES</strong>.</td>
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</tbody>
</table>

**Total Credits Required for Graduation:** 24

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**Note:** Beginning the 2019-2020 school year, students in grades 9-12. (4 Credits)...

**Reminder:** Students who have successfully completed Algebra I, Algebra II with Trigonometry, or Algebra with Finance may not take Algebraic Connections for credit. Algebraic Connections must be taken prior to Algebra I, Algebra II with Trigonometry, or Algebra I with Finance.

**SCIENCE**

**EQUIVALENT OPTIONS MAY INCLUDE:**

- ONE MAJOR CREDIT
- ONE MINOR CREDIT
- ONE ELECTIVE CREDIT
- ONE MAJOR EQUIVALENT/STUDY
- ONE MINOR EQUIVALENT/STUDY
- ONE ELECTIVE EQUIVALENT/STUDY
- ONE MAJOR SUBSTITUTION
- ONE MINOR SUBSTITUTION
- ONE ELECTIVE SUBSTITUTION
- ONE MAJOR TRANSFER
- ONE MINOR TRANSFER
- ONE ELECTIVE TRANSFER
- ONE MAJOR EARNED/REPLACED
- ONE MINOR EARNED/REPLACED
- ONE ELECTIVE EARNED/REPLACED
- ONE MAJOR EQUIVALENT OPTIONS MAY INCLUDE:
  - A MAJOR CREDIT
  - A MINOR CREDIT
  - AN ELECTIVE CREDIT
  - A MAJOR EQUIVALENT OPTIONS MAY INCLUDE:
    - A MAJOR CREDIT
    - A MINOR CREDIT
    - AN ELECTIVE CREDIT
    - A MAJOR SUBSTITUTION
    - A MINOR SUBSTITUTION
    - AN ELECTIVE SUBSTITUTION
    - A MAJOR TRANSFER
    - A MINOR TRANSFER
    - AN ELECTIVE TRANSFER
    - A MAJOR EARNED/REPLACED
    - A MINOR EARNED/REPLACED
    - AN ELECTIVE EARNED/REPLACED

**SOCIAL STUDIES**

**EQUIVALENT OPTIONS MAY INCLUDE:**

- ONE MAJOR CREDIT
- ONE MINOR CREDIT
- ONE ELECTIVE CREDIT
- ONE MAJOR EQUIVALENT/STUDY
- ONE MINOR EQUIVALENT/STUDY
- ONE ELECTIVE EQUIVALENT/STUDY
- ONE MAJOR SUBSTITUTION
- ONE MINOR SUBSTITUTION
- ONE ELECTIVE SUBSTITUTION
- ONE MAJOR TRANSFER
- ONE MINOR TRANSFER
- ONE ELECTIVE TRANSFER
- ONE MAJOR EARNED/REPLACED
- ONE MINOR EARNED/REPLACED
- ONE ELECTIVE EARNED/REPLACED

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**ENGLISH LANGUAGE ARTS (4 Credits)**

**REMAINDER/ CREDITS**

**ADVANCED OR HONORS ENGLISH 9**

**ADVANCED OR HONORS ENGLISH 10**

**ADVANCED OR HONORS ENGLISH 11 OR AP LANGUAGE AND COMPOSITION OR AP LITERATURE AND COMPOSITION**

**ADVANCED ENGLISH 12 OR AP LANGUAGE AND COMPOSITION OR AP LITERATURE AND COMPOSITION**

**UNIT CREDITS**

**4 CREDITS**

**3 CREDITS**

**2 CREDITS**

**1 CREDIT**

**TOTAL CREDITS REQUIRED FOR GRADUATION:** 24

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**NOTE:** Beginning the 2019-2020 school year, students in grades 9-12. (4 Credits)...
Based on the State Board of Education’s mandate requiring students to earn the required Carnegie units to receive a State-approved diploma, the Board authorizes the issuance of a CERTIFICATE of attendance based on the following provisions. Special education students, with the exception of the gifted, shall follow the objectives established for them at the annual IEP meeting by the IEP Committee. After unsuccessfully attempting the required Carnegie units for an Alabama High School Diploma, the student may elect to receive a Certificate of Attendance and proceed through the graduation ceremony. The student will have the same opportunities to participate in all other activities associated with graduation from high school. The Certificate of Attendance is available only to students with disabilities as defined under IDEA. It certifies completion of an Individualized Education Program. A student who receives a Certificate of Attendance may continue to work toward the Alabama High School Diploma to age 21 with IDEA services. The Certificate of Attendance is not an exit document and it is not accepted by post-secondary institutions, military recruiters nor most employers.

The graduation requirements for the graduating classes of 2021-2024 (first-time freshmen during the 2013-2014 school year and beyond) provide the opportunity for students to pursue multiple pathways to earn a diploma. Flexibility in course substitutions and course equivalents allows for personalized education plans for all students. Though there is increased flexibility, there continues to be high expectations for Alabama’s students.

Each high school student is required to have a four-year plan. It is critical that the plan reflects the student’s aspirations for life after high school. Careful consideration should be given to the selection of electives, substitute courses, and equivalent courses to ensure that a student is prepared for post-secondary, four-year college and work. Parents, students and school personnel should continue to review NCAA requirements for prospective student athletes before selecting and approving electives, substitute courses, or equivalent courses.

For clarification purposes, the definitions below will apply to courses identified as:
- Equivalent – the course includes at least a 90% match in standards
- Substitute – the course is approved as an appropriate replacement, but is not equivalent as defined above.

The ALSDE will continue to expand equivalent and substitute course offerings.

OTHER CLARIFICATIONS:

Math
A student’s plans for college or post-secondary should be considered when selecting any substitute course.

There are several pathways by which a student can meet the high school graduation requirements for earning four credits in mathematics in grades 9-12.
- Possible math pathways using General Education Courses Only and Combination of General Education Courses and Special Education Courses
- Possible math pathways using Essentials Pathway Only

Essential Skills Pathway and Alternate Achievement Standards Pathway
The Alabama High School Graduation Requirements Substitute Courses for Special Education Students are intended for students with IEPs. The Curriculum Guide to the Alabama Course of Study contains the course content for students following the Essentials/Life Skills Pathway. As stated above, careful consideration should be given before a student is allowed to take one of the courses. None of these courses will be accepted in a four-year university nor will they be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting one of these courses.
COURSES FULFILLING CORE REQUIREMENTS
ACADEMIC – DUAL ENROLLMENT – CAREER & TECHNICAL EDUCATION

MATHEMATICS

<table>
<thead>
<tr>
<th>Core Courses</th>
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<tbody>
<tr>
<td>AAS: Mathematics 9</td>
</tr>
<tr>
<td>AAS: Mathematics 10</td>
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<tr>
<td>AAS: Mathematics 11</td>
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<tr>
<td>AAS: Mathematics 12</td>
</tr>
<tr>
<td>Algebra Concepts</td>
</tr>
<tr>
<td>Algebra Essentials A</td>
</tr>
<tr>
<td>Algebra Essentials B</td>
</tr>
<tr>
<td>Algebra Essentials C</td>
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<tr>
<td>Geometry Concepts</td>
</tr>
<tr>
<td>Geometry Essentials A</td>
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<td>Essentials Algebra with Finance</td>
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<td>Essentials Algebra II with Trig</td>
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<tr>
<td>Algebra I</td>
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<td>Algebra I, Honors</td>
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<td>Pre-Calculus</td>
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<tr>
<td>Pre-Calculus, Honors</td>
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<td>Calculus</td>
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<td>Calculus AB, AP</td>
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<tr>
<td>Calculus BC, AP</td>
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<td>Statistics, AP</td>
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SCIENCE

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<th>Core Courses</th>
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<td>AAS: Science 9</td>
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<td>AAS: Science 11</td>
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<td>AAS: Science 12</td>
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<td>Essentials: Biology</td>
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<td>Essentials: Physical Science</td>
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<td>Essentials: Earth and Space</td>
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<td>Essentials: Environmental Science</td>
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<td>Essentials: Human Anatomy and Physiology</td>
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<td>Anatomy/Physiology</td>
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<td>Biology</td>
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<td>Biology, Advanced</td>
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<td>Biology, Honors</td>
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<td>Biology, AP</td>
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<td>Chemistry</td>
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<td>Chemistry, Advanced</td>
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<td>Chemistry, Honors</td>
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<td>Chemistry, AP</td>
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<td>Earth and Space Science</td>
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<td>Environmental Science, AP</td>
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<td>Physics, AP</td>
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<td>Physics, Honors</td>
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<tr>
<td>Physics 1: Algebra Based, AP</td>
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<td>Physics 2: Algebra Based, A</td>
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<td>Physics C: Mechanics, AP</td>
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<td>Physics C: Electricity and Magnetism, AP</td>
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ENGLISH

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<td>AAS: English Language Arts 9</td>
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<td>AAS: English Language Arts 11</td>
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<td>English Essentials 10</td>
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<td>English 9</td>
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<td>English 10, Advanced</td>
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<td>English 10, Honors</td>
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<td>English 11, Advanced</td>
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<td>English 12</td>
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<td>English 12, Advanced</td>
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<tr>
<td>AP Language and Composition</td>
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<td>AP Literature and Composition</td>
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SOCIAL STUDIES

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<th>Core Courses</th>
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<td>AAS: Social Studies 9</td>
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<td>AAS: Social Studies 10</td>
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<td>AAS: Social Studies 11</td>
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<td>AAS: Social Studies 12</td>
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<tr>
<td>Essentials I: World History</td>
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<td>Essentials II: U.S. History to 1977</td>
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<td>Essentials III: U.S. History from 1877</td>
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<td>Essentials IV: Economics</td>
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<td>Essentials IV: U.S. Government</td>
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<tr>
<td>World History: 1500 to Present</td>
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<td>World History: 1500 to Present, Advanced</td>
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<tr>
<td>World History: World History 1500 to Present, Honors</td>
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<tr>
<td>U.S. History I</td>
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<td>U.S. History I, Advanced</td>
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<td>U.S. History II</td>
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<td>U.S. History II, Honors</td>
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<td>U.S. History III</td>
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<td>U.S. History III, Honors</td>
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<tr>
<td>U.S. History IV</td>
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<tr>
<td>U.S. History IV, Advanced</td>
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<tr>
<td>U.S. History</td>
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<tr>
<td>U.S. Government/Economics</td>
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<tr>
<td>U.S. Government, Advanced (Economics, Advanced)</td>
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<td>U.S. Government and Politics, AP</td>
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<td>Microeconomics, AP</td>
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DUAL ENROLLMENT COURSES

Five post-secondary level math courses may be used to fulfill the third and/or fourth credit in math.

Students may choose up to two of the following courses to serve as their third and/or fourth credit in math:
- Intermediate College Algebra
- Intermediate Algebra
- Pre-Calculus
- Pre-Calculus, Honors
- Calculus
- Calculus AB, AP
- Calculus BC, AP
- Statistics, AP

DUAL ENROLLMENT COURSES

The ALSDE has identified two CTE courses that may be used to fulfill either the third and/or fourth credit in math.

Students may choose up to two of the following courses to serve as their third and/or fourth credit in math:
- Intermediate College Algebra
- Pre-Calculus
- Calculus
- Calculus AB, AP
- Calculus BC, AP
- Statistics, AP

DUAL ENROLLMENT COURSES

The ALSDE has identified one CTE course that may be used to fulfill either the third and/or fourth credit in science.

Students may choose up to two of the following courses to serve as their third and/or fourth credit in science:
- Human Body Structures and Functions, AP
- Microbiology
- Microbiology, Honors
- Microbiology, AP
- Principles of Engineering

DUAL ENROLLMENT COURSES

The ALSDE has identified one CTE course that may be used to fulfill either the third and/or fourth credit in science.

Students may choose up to two of the following courses to serve as their third and/or fourth credit in science:
- Principles of Macroeconomics

DUAL ENROLLMENT COURSES

Three post-secondary level English courses may be used to fulfill the fourth credit in history. The courses are as follows:
- U.S. History I
- U.S. History II
- U.S. History III
- American National Government
- Introduction to Political Science
- Principles of Macroeconomics

Students may choose either American National Government OR Introduction to Political Science to fulfill the U.S. Government requirement.

Students may choose Principles of Macroeconomics to fulfill the economics requirement.
COURSES FULFILLING THE
FOREIGN LANGUAGE/ARTS EDUCATION/CAREER & TECHNICAL EDUCATION
REQUIREMENT

FOREIGN LANGUAGES

- French 1-4
- German 1-2
- Latin 1-2
- Spanish 1-4
- Spanish, AP**

ARTS EDUCATION

- Visual Arts I-IV
- Intro. to Two-Dimensional Design
- Intro. to Three-Dimensional Design
- Intro. to Photography I
- Graphic Design I-III
- Studio Art Drawing, AP**
- Guitar I-IV
- Piano I-IV
- Concert Band I-IV
- Marching Band I-IV
- Jazz Ensemble I-IV
- Orchestra I-IV
- Instrumental Chamber Ensemble I-III
- Dance I-II
- Dance II
- Theatre I-II
- Acting Technique II
- Musical Theatre I-III
- Mixed Chorus I-IV
- Women's Chorus I-IV
- Men's Chorus I-IV
- Chamber Chorus I-IV
- Show Choir I-IV
- Music: Elements of Arts Literacy
- Composition and Theory: Music Theory I
- Music Theory, Advanced Placement**

CAREER & TECHNICAL EDUCATION

- Career Mathematics
- Cooperative Education (Work-Based Learning)
- Forensic and Criminal Investigation
- Intro. to Commercial Photography
- Intro. to Robotics
- Robotics Application
- Transition Services
- Workforce Essentials
- Ready to Work
- Architecture, Construction and Manufacturing
- NCCER Carpentry 1-3
- Safety and Health Regulations
- NCCER Welding 1-4
- Agriscience
- Construction Framing
- Construction Site Preparation and Foundations
- Construction Finishing
- Metal Fabrication, Intro. to
- MIG Welding: FCAW, Welding, Intro. to
- Animal Biotechnology
- Animal Science
- Veterinary Science, Intro. to
- Poultry Science
- Agriculture Communication
- Greenhouse Production and Management
- Horticulture Science
- Landscape Design and Management
- Nursery Production and Management
- Plant Biotechnology
- Sports Turfgrass Production Management
- Floral Design and Interior Designing
- Specialty Floral Design and Management
- Environmental Management
- Fish and Wildlife Management
- Forestry
- Urban Forestry
- Introduction to Advertising Design
- Digital Design
- Graphic Illustration
- Studio Portfolio
- CTE Lab in Arts, A/V Television, and Communication
- Business Technology Applications
- Business Essentials
- Business Technology Applications, Advanced
- Law in Society
- Management Principles
- Multimedia Design
- Multimedia Publications
- Computer Science Principles, AP**
- Computer Science A, AP***
- Education and Training
- Teaching I-I
- Education and Training Internship
- Accounting
- Accounting, Advanced
- Personal Finance
- Business Finance
- JROTC I-I
- JROTC Leadership Application
- JROTC Drill and Rifle
- Biotechnology, Introduction to
- Foundations of Health Science
- Human Body Structures and Functions
- Health Science Internship I
- Therapeutic Services
- Emergency Services
- Patient Care Technician
- Hospitality and Tourism
- Culinary Arts I-II
- Event Planning
- Lodging I-II
- Event Planning
- Travel and Tourism I-II
- Family and Consumer Sciences
- Chemistry of Food
- Dietetics
- Food and Nutrition
- Food Innovations and Media
- Sports Nutrition
- Entrepreneurship-Family Consumer Sciences
- Child Development
- Child Services I-II
- Fashion
- Modelling
- Fashion Merchandising
- Introduction to Cosmetology
- Salon Practices and Management
- Chemical Services
- Hair Coloring
- Introduction to Baking
- Computer Programming Basic I
- Information Technology Fundamentals
- Computer Science Discoveries
- Software Development
- Workforce Essentials
- Manufacturing 2-3
- CTE Lab in Manufacturing
- Marketing Principles
- Transportation, Distribution and Logistics
- MLR B – Suspension/Stearing and Brakes
- MLR C – Electrical, Electronics and Brakes
- MLR D – Electrical/Electronics, Engine Performance, and Heating/AC
- Transportation, Distribution and Logistics
- Intro. to Logistics
- Functional Areas in Logistics
- Global Logistics Management
- Logistics and Supply Chain Management
- Senior Career Pathway Projects (Capstone Course in Multiple CTE Programs)
**ENGLISH LANGUAGE ARTS**

**ALTERNATE ACHIEVEMENT STANDARDS PATHWAY**

**AAS: English Language Arts 9** - This course is for students who are enrolled in English language arts using alternate achievement standards which are aligned to the Alabama Course of Study. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. **Fee: None**

**Prerequisite:** Course fulfilling English 9 requirement

**AAS: English Language Arts 10** - This course is for students who are enrolled in English language arts using alternate achievement standards which are aligned to the Alabama Course of Study. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. **Fee: None**

**Prerequisite:** Course fulfilling English 10 requirement

**AAS: English Language Arts 11** - This course is for students who are enrolled in English language arts using alternate achievement standards which are aligned to the Alabama Course of Study. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. **Fee: None**

**Prerequisite:** Course fulfilling English 11 requirement

**ESSENTIAL SKILLS PATHWAY**

**English Essentials 9** - This 9th grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing, and speaking skills. It is designed to prepare students for post-secondary education and employment. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. **Fee: None**

**Prerequisite:** None

**English Essentials 10** - This 10th grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing, and speaking skills. It is designed to prepare students for post-secondary education and employment. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. **Fee: None**

**Prerequisite:** Course fulfilling English 9 requirement

**English Essentials 11** - This 11th grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing, and speaking skills. It is designed to prepare students for post-secondary education and employment. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. **Fee: None**

**Prerequisite:** Course fulfilling English 10 requirement

**English Essentials 12** - This 12th grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing, and speaking skills. It is designed to prepare students for post-secondary education and employment. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. **Fee: None**

**Prerequisite:** Course fulfilling English 11 requirement
GENERAL EDUCATION PATHWAY

English 9 - English 9 develops student competency in English usage and mechanics, oral and written communication, and classical and contemporary literature. Topics of study include poetry, the novel, essays, library research skills, short stories, and creative writing. Basic grammar skills are practiced in student writings. Students use analytical and critical thinking skills while examining the various literary forms. **Prerequisite:** None **Fee:** None

**English 9, Advanced** - Advanced English 9 expands upon students' competencies in English usage and mechanics, oral and written communication, and classical and contemporary literature. Activities are designed to offer in-depth studies of poetry, novels, essays, short stories, and dramatic literature. Students use library research skills, analytical and critical thinking skills, and creative writing abilities to demonstrate English proficiency. Grammar studies include advanced composition, clauses, and phrases, as well as improved effectiveness in expository, persuasive, descriptive, and narrative writing. **Prerequisite:** None **Fee:** None

**English 9, Honors** - Honors English program is designed for students who have the highest level of English achievement and aptitude. Critical thinking, expression, and understanding are expected from students in preparation for taking the AP English classes and examinations. In this course, students will be expected to read a larger body of literary works and will develop those skills necessary to successfully compose literary, analytical essays that are grammatically and structurally correct. Students will work at an accelerated pace. Prior summer reading is a requirement for this class. Students receive 0.5 extra quality points for successfully completing this class. Students must take the comprehensive course final examination for weighted credit. **Prerequisite:** Course fulfilling English 9 requirement **Fee:** None

**English 10** - English 10 integrates listening, speaking, reading, and writing through studies of literature and composition. Types of literature studied include biographies, autobiographies, essays, short stories, and novels. Students explore American literature to 1877, employing critical and analytical evaluation of literary works. Written expression lessons allow students to develop and demonstrate skills in composition, grammar usage, and the writing process. **Prerequisite:** None

**English 10, Advanced** - Advanced English 10 expands students' knowledge of English usage and mechanics, and American literature to 1877. Class activities focus on analytical and critical thinking, advanced composition, and library research. Students examine, compare, discuss, and write about poetry, novels, short stories, essays, and drama. **Prerequisite:** Course fulfilling English 9 requirement **Fee:** None

**English 10, Honors** - Honors English 10 is designed for students who have the highest level of English achievement and aptitude. Honors English 10 will provide a comprehensive study of early American literature with related world literature and English grammar. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis will be placed on literary analysis in writing, and students will be required to write a research paper. In addition to the outside readings required during this class, students will also be responsible for prior summer reading. Students receive 0.5 extra quality points for successfully completing this class. Students must take the comprehensive course final examination for weighted credit. **Prerequisite:** Course fulfilling English 9 requirement **Fee:** None

**English 11** - English 11 is a combination of the study of American literature since 1877 and communication in the workplace. The study of grammar and composition is incorporated with both areas of study. The course provides preparation for students who plan to attend college or technical school. Students survey American literature representing these literary types: short story, novel, poetry, drama, and essay. **Prerequisite:** Course fulfilling English 10 requirement **Fee:** None

**English 11, Advanced** - This course provides advanced 11th grade students opportunities to enhance abilities in written and oral communication through the study of composition and American literature since 1877. Students correlate American authors and their works with American history. Students participate in research activities, original writing, and critical analysis of literature. **Prerequisite:** Course fulfilling English 10 requirement **Fee:** None

**English 12** - English 12 combines the study of British literature and communication in the workplace. The course prepares students for college and/or technical school after high school. Students survey British authors and works of these literary types: short story, novel, poetry, drama, and essay. Students participate in library research, complete group and individual projects, produce original writings, and conduct analyses of literature using both written and oral communication skills. Students review English skills necessary for success on scholastic aptitude tests and post-secondary school admission tests. **Prerequisite:** Course fulfilling English 11 requirement **Fee:** None

**English 12, Advanced** - This course provides advanced 12th grade students with opportunities to enhance their abilities in written and oral communication through studies of composition and British literature. Students study the works of British authors as a basis for literary analysis. Students improve language skills through research activities, original writing, and critical analysis of literature. **Prerequisite:** Course fulfilling English 11 requirement **Fee:** None

**Advanced Placement Language and Composition** - Advanced Placement (AP) Language and Composition is a college-level course that follows the guidelines of The College Board. 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 reading and writing in this course, students should become aware of the interactions among writers' purposes, audience expectations and subjects. In addition, the informed use of research materials and the ability to synthesize varied sources (to evaluate, use, and cite sources) are integral parts of this course. Students will engage in the development of projects that call on them to evaluate the legitimacy and purpose of sources used. Prior summer reading is a requirement for this class. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students will receive a 1.0 extra quality point for successfully completing this course. Students must take the College Board's AP exam for weighted credit. **Prerequisite:** Course fulfilling English 10 requirement or course fulfilling English 11 requirement **Fee:** $25 plus AP exam fee

**Advanced Placement Literature and Composition** - Advanced Placement (AP) Literature and Composition is a college-level course that follows the guidelines of The College Board. AP Literature and Composition affords high school students the opportunity to study college-level English. Literary studies include classical and contemporary works from Europe, Great Britain, and the United States. College-level composition studies include both impromptu and researched writing activities. Extensive reading is required, as well as a variety of writing assignments throughout the course. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board's AP exam for weighted credit. **Prerequisite:** Course fulfilling English 10 requirement or course fulfilling English 11 requirement **Fee:** $25 plus AP exam fee
MATHEMATICS

ALTERNATE ACHIEVEMENT STANDARDS PATHWAY

AAS: Mathematics 9 - This course is for students who are enrolled in math using alternate achievement standards which are aligned to the Alabama Course of Study. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Fee: None

AAS: Mathematics 10 - This course is for students who are enrolled in math using alternate achievement standards which are aligned to the Alabama Course of Study. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Fee: None

AAS: Mathematics 11 - This course is for students who are enrolled in math using alternate achievement standards which are aligned to the Alabama Course of Study. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Fee: None

AAS: Mathematics 12 - This course is for students who are enrolled in math using alternate achievement standards which are aligned to the Alabama Course of Study. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Fee: None

ESSENTIAL SKILLS PATHWAY

Algebraic Concepts - This course provides students with prerequisite algebra skills identified in the general education math courses. The course includes essential concepts to prepare students for Algebraic Essentials A and Algebraic Essentials B. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Fee: None

Algebraic Essentials A - This course provides students with foundational skills identified in the first half of the general education Algebra I course. The course includes essential concepts to equip students with the algebra skills necessary for employment and independent living. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Fee: None

Algebraic Essentials B - This course provides students with foundational skills identified in the second half of the general education Algebra I course. The course includes essential concepts to equip students with the algebra skills necessary for employment and independent living. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Fee: None

Geometry Essentials A - This course provides students with foundational skills identified in the first half of the general education geometry course. The course includes essential concepts to equip students with the geometry skills necessary for employment and independent living. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Fee: None

Geometry Essentials B - This course provides students with foundational skills identified in the second half of the general education geometry course. The course includes essential concepts to equip students with the geometry skills necessary for employment and independent living. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Fee: None

Essentials Algebra II - The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials pathway. This course provides students with foundational skills identified in the general education Algebra II course. The course includes algebra concepts to equip students with more advanced algebra skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Fee: None
Essentials Algebra with Finance - The Curriculum Guide to the Standards: Algebra with Finance contains the course content for students following the Essentials pathway. This course integrates foundational algebra, probability and statistics, and geometry to solve financial problems that occur in everyday life. These skills are identified in the general education Algebra with Finance course. The course includes real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting, and planning for retirement in order to equip students with the skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: Geometry Essentials A and Geometry Essentials B or Geometry Essentials

Fee: None

Essentials Algebra II with Trig - The Curriculum Guide to the Alabama Course of Study: Mathematics contains the course content for students following the Essentials pathway. This course is designed for students who have earned credit in Algebra I, Algebra II, or Trig. The course content includes advanced algebraic concepts to equip students with more advanced algebra and trigonometry skills necessary for employment and independent living. Teachers must meet highly qualified teacher status for the appropriate course and grade. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: Geometry Essentials A and Geometry Essentials B or Geometry Essentials

Fee: None

GENERAL EDUCATION PATHWAY

Algebra IB - Algebra IB is the second part of the two-part Algebra program. Specific attention is given to problem-solving and higher-order thinking skills. Topics of study include systems of linear equations and inequalities, factoring polynomials, operations with polynomials, quadratic equations, Pythagorean Theorem, distance formula, radicals, square roots, laws of exponents, probability and statistics. Students who successfully complete Algebra IA must take Algebra IB to fulfill the Algebra graduation requirement. Students who have passed Algebra I may not take this course for credit. Prerequisite: Algebra IA

Fee: None

Algebra I, Honors* - Honors Algebra I is a formal, in-depth study of algebraic concepts and the real number system. Topics of study include variables, expressions, linear and non-linear equations, inequalities, ratio, proportion, factoring polynomials, graphing on the number line and in the coordinate plane, properties of slope, and operations involving exponents. This course gives specific attention to problem-solving and higher-order thinking skills. The workload for this course requires students to work at an accelerated pace. Students receive 0.5 extra quality points for successfully completing this class. Students must take the comprehensive course final exam to receive weighted credit. Prerequisite: None

Fee: None

Geometry with Data Analysis - Geometry with Data Analysis is the first of three required courses in high school mathematics. 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. For students who opt to accelerate their mathematical pathways in the 9th grade, Geometry with Data Analysis may also be taken concurrently with Algebra I with Probability. Prerequisite: Math 8 or Accelerated Math 8

Fee: None

Algebra II with Trig - Algebra II with Trig is the second part of the two-part Algebra program. Specific attention is given to problem-solving and higher-order thinking skills. Topics of study include systems of linear equations and inequalities, factoring polynomials, operations with polynomials, quadratic equations, Pythagorean Theorem, distance formula, radicals, square roots, laws of exponents, probability and statistics. Students who successfully complete Algebra IA must take Algebra II with Trig to fulfill the Algebra graduation requirement. Students who have passed Algebra I may not take this course for credit. Prerequisite: Algebra IA

Fee: None

Geometry with Data Analysis, Advanced - Advanced Geometry with Data Analysis is the first of three required courses in high school mathematics. In Advanced 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. For students who opt to accelerate their mathematical pathways in the 9th grade, Advanced Geometry with Data Analysis may also be taken concurrently with Algebra I with Probability. Prerequisite: Math 8 or Accelerated Math 8

Fee: None

Essentials Algebra with Finance - Algebra with Finance is a college and career preparatory course that integrates algebra, pre-calculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics that are taught at a higher level. Students are encouraged to use a variety of problem-solving skills and strategies in real-world contexts, and to question outcomes using mathematical analysis and data to support their findings. The course offers students multiple opportunities to use, construct, question, model, and interpret financial situations through symbolic algebraic representations, graphical representations, geometric representations, and verbal representations. Math concepts and skills are applied through study and problem-solving activities in workforce situations in the following areas: banking, investing, employment and income taxes, automobile ownership and operation, mathematical operations, consumer credit, independent living, and retirement planning and budgeting. This course may be used as the fourth math credit, a substitute for Algebra II, or an elective. Students who have only earned credit in Algebra I and Geometry are strongly encouraged to take Algebra Connections prior to taking this course. Prerequisite: Course(s) fulfilling Geometry requirement

Fee: None
Algebra II - Algebra II is a course designed to extend students' algebraic knowledge and skills beyond Algebra I. Students are encouraged to solve problems using a variety of methods that promote the development of improved communication skills and foster a deeper understanding of mathematics. To help students appreciate the power of algebra, application-based problems are incorporated throughout the course. The use of appropriate technology is also encouraged for numerical and graphical analysis. It is recommended for students who intend to pursue post-secondary studies. Students who have completed Algebra II are not eligible to take Algebra III or Trigonometry. It is recommended that students who have earned only credit in Algebra I and Geometry with grades below 70 take Algebraic Connections prior to taking this course. Prerequisites: Course(s) fulfilling Geometry requirement Fee: None

Algebra II with Trigonometry - This course is designed for students who are encouraged to solve problems using a variety of methods involving quadratics, complex numbers, exponential and logarithmic functions, and trigonometry. It is recommended for students who intend to pursue post-secondary studies. Students who have passed Algebra II are not eligible to take Algebra III with Trigonometry. It is recommended that students who have earned only credit in Algebra I and Geometry with grades below 70 take Algebraic Connections prior to taking this course. Prerequisites: Course(s) fulfilling Geometry requirement Fee: None

Algebra II with Trigonometry, Honors - This course is designed for students who are encouraged to solve problems using a variety of methods involving quadratics, complex numbers, exponential and logarithmic functions, and trigonometry. It is recommended for students who intend to pursue post-secondary studies. Students who have passed Algebra II are not eligible to take Algebra III with Trigonometry. It is recommended that students who have earned only credit in Algebra I and Geometry with grades below 70 take Algebraic Connections prior to taking this course. Prerequisites: Course(s) fulfilling Geometry requirement Fee: None

Discrete Mathematics - Discrete Mathematics is a course designed for students who have successfully completed the Algebra II with Trigonometry course and who choose not to continue mathematics study in the Pre-Calculus or Analytical Mathematics courses. This course may be offered as an elective for students who have completed the four mathematics requirements for graduation. Discrete Mathematics explores the topics of matrices, combinatorial reasoning, counting techniques, algorithms, sequences, series, and their applications. Students are expected to work in both individual and group settings to apply problem-solving strategies and to incorporate technological tools that extend beyond traditional instructional practices. Prerequisite: Course fulfilling Algebra II with Trig requirement Fee: None

Mathematical Investigations - Mathematical Investigations is a course designed for students who have successfully completed Algebra II or Algebra II with Trigonometry and who choose not to continue mathematics study in the Pre-Calculus or Analytical Mathematics courses. This course may be offered as an elective for students who have completed the four mathematics requirements for graduation. Mathematical Investigations is intended to extend students' knowledge of mathematical development. Beginning with ancient numeration systems, students explore relationships between mathematics and nature, music, art, and architecture as well as the contributions of well-known mathematicians. It extends the scope of prerequisite courses, integrating topics with an emphasis on application-based problem solving. The wide range of topics and applied problems may lend itself to organizing the content into thematic units. Prerequisite: Algebra II or course fulfilling Algebra II with Trig requirement Fee: None

Analytical Mathematics - Analytical Mathematics is an advanced mathematics course designed for students who have successfully completed the Algebra II with Trigonometry course. It is considered to be parallel in rigor to Pre-Calculus. This course provides a structured introduction to important areas of emphasis in most post-secondary studies that pursue a concentration in mathematics. Linear algebra, logic, vectors, and matrices are topics that are given more in-depth coverage than in previous courses. Application-based problem solving is an integral part of this course. To assist students with numerical and graphical analysis, the use of advanced technological tools is highly recommended. While this course may be taken either prior to or after Pre-Calculus, it is recommended that students who are interested in post-secondary studies in engineering successfully complete the Pre-Calculus course as well as AP Calculus. Prerequisite: Course fulfilling Algebra II with Trig requirement Fee: None

Pre-Calculus - Pre-Calculus includes an expanded study of polynomial functions, conic sections, logarithmic and exponential equations, and the real-life applications of these topics. Students are challenged to defend and support their conclusions from problematic situations. Working in both individual and group settings, students apply a variety of problem-solving strategies, incorporating the use of graphing calculators or other technological tools that extend beyond the traditional tools. Prerequisite: Course fulfilling Algebra II with Trig requirement Fee: None

Pre-Calculus, Honors - This course includes an expanded study of polynomial functions, conic sections, logarithmic and exponential equations, and the real-life applications of these topics. Students are challenged to defend and support their conclusions from problematic situations. Working in both individual and group settings, students apply a variety of problem-solving strategies, incorporating the use of graphing calculators or other technological tools that extend beyond the traditional tools. The workload for this course requires students to work at an accelerated pace. Only students who plan to take AP Calculus should enroll in this course. Students receive 0.5 extra quality points for successfully completing this class. Students must take the comprehensive course final exam to receive weighted credit. Prerequisite: Course fulfilling Algebra II with Trig requirement Fee: None

Calculus - Calculus is designed for the ambitious math student who plans to take Calculus in college. The course emphasizes the study of theory and techniques of differentiation; curve tracing; limits; derivatives; integrals; continuity; and integration of exponential, logarithmic and trigonometric functions. A scientific calculator is required; a graphing calculator is recommended. Daily preparation is required for success in Calculus. Prerequisite: Pre-Calculus or Honors Pre-Calculus Fee: None

Calculus AB, Advanced Placement ** - Calculus BC, Advanced Placement ** - Advanced Placement (AP) Calculus is a college-level course that follows the guidelines of The College Board. AP Calculus fulfills 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. The workload in this class requires students to work at an accelerated pace. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board's AP exam for weighted credit. Prerequisites: Pre-Calculus or Honors Pre-Calculus Fee: $25 plus AP exam fee

Statistics, Advanced Placement ** - This is a college-level advanced course approved by the College Board Advanced Placement (AP) Program for statistics; introductory, non-calculus based course to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusion from data. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board's AP exam for weighted credit. Prerequisites: Course(s) fulfilling Pre-Calculus requirement Fee: $25 plus AP exam fee
CTE COURSES – MATH SUBSTITUTES

There are two CTE courses that may be used to fulfill either the fourth math requirement OR be used to fulfill one of the three credit requirements in the CTE/Foreign Language/Arts Education category. The CTE substitutes for mathematics may not be used to fulfill both a core course and a CTE course; however, they may be used to earn complete status regardless of whether the course is used as a CTE course or as the fourth credit in math.

Career Mathematics - A one-credit course that provides students with the foundational knowledge and processes needed to apply mathematical concepts in a career setting. Emphasis is placed on applied problems in the areas of algebra, geometry, measurement, and probability and statistics. Students who have only earned credit in Algebra I and Geometry must pass Algebraic Connections prior to taking this course. Prerequisites: Course(s) fulfilling Geometry requirement

Fee: None

Computer Science Principles, Advanced Placement** - This course is designed to introduce students to the central ideas of professional-level computing and the primary principles of computer science. It 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 the 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. This course introduces students to the creative aspects of programming, abstraction, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board’s AP exam for weighted credit. Prerequisites/Corequisite: Course(s) fulfilling Algebra II with Trig requirement

Fee: $95 plus AP exam fee

ALTERNATE ACHIEVEMENT STANDARDS PATHWAY

AAS: Science 9 - This course is for students who are enrolled in science using alternate achievement standards which are aligned to the Alabama Course of Study. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: None

Fee: None

AAS: Science 10 - This course is for students who are enrolled in science using alternate achievement standards which are aligned to the Alabama Course of Study. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: AAS: Science 9

Fee: None

AAS: Science 11 - This course is for students who are enrolled in science using alternate achievement standards which are aligned to the Alabama Course of Study. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: AAS: Science 10

Fee: None

AAS: Science 12 - This course is for students who are enrolled in science using alternate achievement standards which are aligned to the Alabama Course of Study. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: AAS: Science 11

Fee: None

ESSENTIAL SKILLS PATHWAY

Essentials: Physical Science - This course is designed to provide students with practical knowledge of physical science including scientific process and application skills; periodic table; solutions; bonding; chemical formulas; physical and chemical change; gravitational, electromagnetic, and nuclear forces; motion; energy; energy transformation; electricity and magnetism; nuclear science; metric units. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: None

Fee: None

Essentials: Biology - This course is designed to provide students with practical knowledge of biology including scientific process and application skills; cell processes; cell theory; photosynthesis; and cellular respiration; genetics; classification; plants; animals; ecology; biogeochemical cycles. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: None

Fee: None

Essentials: Earth and Space Science - This course is designed to provide students with practical knowledge of Earth and space science including scientific process and application skills; energy in the Earth system; weather; seasons; theories for origin and age of the universe; stars, pulsars, quasars, black holes, and galaxies; Earth and space scientists; space exploration. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: None

Fee: None

Essentials: Environmental Science - This course is designed to provide students with practical knowledge of environmental science including scientific process and application skills; natural and human impacts; carrying capacity; renewable and nonrenewable energy resources; properties and importance of water; land use practices; composition and erosion of soil. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: None

Fee: None

Essentials: Human Anatomy and Physiology - This course is designed to provide students with practical knowledge of human anatomy and physiology including scientific process and application skills; anatomical terminology; structure and function of cells, tissues, and body systems; biochemistry; system regulation and integration. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: None

Fee: None
GENERAL EDUCATION PATHWAY

Anatomy/Physiology**  Human Anatomy/Physiology is a study of the structure and function of the 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. Laboratory experiences and text-based activities prepare the student for advanced biological studies, biomedical nursing, and other science-based careers. Additional topics include body functions in the healthy and diseased states; blood typing; muscle action; cranial nerve functioning; and bioethics. 
Prerequisite: None 
Fee: $25

Biology - Biology is an 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. Topics include the study of plants, animals, ecology, and fundamental concepts of life science. Students participate in laboratory experiences and receive instruction in reading in the content area. 
Prerequisite: None 
Fee: None

Biology, Advanced** - Advanced Biology is an advanced 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. The course includes the study of plants, animals, ecology, and fundamental concepts of life science. Students use their abilities to draw conclusions, organize and classify knowledge, make inferences, and test hypotheses through experimentation. 
Prerequisite: None 
Fee: $25

Biology, Honors** - This course is intended for students who are interested in an accelerated science program. Honors Biology will prepare students who may consider taking AP Biology or are interested in a science-related career after high school. Due to the rigorous nature and fast pace of this course, a student must have demonstrated academic excellence in previous science and math courses. Students will be introduced to the conceptual framework, factual knowledge, and analytical skills needed to adapt to the rapidly changing science of biology. Laboratory technical skills, analysis of information, and problem-solving abilities will be an integral part of the course. Honors Biology students will complete additional projects as well as independent study and research not expected in advanced biology. Topics include molecules and cells, evolution and genetics, and organisms and populations. Students will receive a 0.5 extra quality point for successful completion of this course.

Prerequisites: Adv. or Honors Biology and Algebra I (grade of 80 or higher strongly recommended). Fee: $25 Plus AP exam fee

Chemistry, Advanced** - This physical science course provides an 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, concentrations or forces and motion, types of interactions, stability and instability in chemical systems, conservation of energy, energy transformations, and applications of energy to everyday life.

Prerequisites: Algebra I or equivalent 
Fee: $25 

Chemistry, Honors** - Honors Pre-AP Chemistry is designed for students who are highly motivated and interested in seeking a career in a science-related field. This course will also prepare students for the rigorous academic challenges of AP Chemistry. This course moves at a much faster pace than the regular or advanced chemistry classes and, as a result, greater range and depth of material will be covered. This course will cover such topics as measurement, atomic structure, the periodic table, chemical bonds, molecular shapes, writing and balancing chemical equations, the mole, stoichiometry, gas laws and thermochmistry. Both quantitative and qualitative aspects of chemical behavior are studied in-depth. Laboratory work is an integral part of the course and independent study will be required. Students will receive a 0.5 extra quality point for successful completion of this course. Students must take the comprehensive course final exam to receive weighted credit. 
Prerequisites: Adv. or Honors Chemistry and Algebra I (or equivalent of 80 or higher strongly recommended). Fee: $25 Plus AP exam fee

Earth and Space Science - Earth and Space Science is a 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 biogeography; includes integration of engineering, technology, and application of science core ideas. Activities include group and individual projects, discussion, laboratory activities, and presentations. 
Prerequisites: A Physical Science and Biology 
Fee: None

Environmental Science - Environmental Science is the 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. Specific topics include living things in ecosystems, water, air, soil, climate, food, biodiversity, energy, waste, population growth, and renewable and sustainable resources. Laboratory activities and writing opportunities relate environmental issues to the lives of the students. 
Prerequisites: A Physical Science and Biology 
Fee: $25
Environmental Science, Advanced Placement** - AP Environmental Science is a college-level course that follows the guidelines of The College Board. The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze human problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. A strong laboratory and field component and independent research complement the classroom portion of the course. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board's AP exam for weighted credit. Prerequisites: Honors Biology (recommended) or Adv. Biology and Honors Chemistry (recommended) or Adv. Chemistry. Fee: $25 Plus AP exam fee

Physical Science - Physical Science is a 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. Students participate in laboratory experiences and receive instruction in reading in the content area, vocabulary development, and application of learning. Prerequisite: None

Physics* - Physics is the 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. Emphasis is placed on mathematical solutions to scientific problems. A grade of 70 or above in Algebra II with Trig is strongly recommended. Prerequisite: Algebra II with Trig or Honors Algebra II with Trig

Physics, Honors** - Physics is the branch of science that addresses the properties of physical matter, physical quantities and their relationships. This course is intended for students who are interested in an accelerated science program. Honors Physics will prepare students who may consider taking AP Physics or are interested in a science, engineering or math-related career after high school. Due to the pace of this course, a student must have demonstrated academic excellence in previous science and math courses. Topics studied include mechanics, heat, light, sound, electricity, and magnetism. Additional topics may include atomic and nuclear structure and radioactivity. Students receive 0.5 extra quality points for successfully completing this class. Prerequisites: Algebra II with Trig or Honors Algebra II with Trig and Honors Chemistry (Recommended) or Adv. Chemistry. Fee: $25

Physics 1: Algebra Based, Advanced Placement* ** - Advanced Placement (AP) Physics 1: Algebra Based is a college-level course that follows the guidelines of The College Board. Course-level, algebra-based, introductory physics course following the curriculum established by the College Board AP Program; provides a foundation for future course work in physics; explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; introductory, simple circuits; facilitates inquiry-based learning designed to develop scientific critical thinking and reasoning skills. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board's AP exam for weighted credit. Prerequisites: Algebra II with Trigonometry and Honors Algebra II with Trigonometry or Honors Chemistry (Recommended) or Advanced Chemistry.

Physics 2: Algebra Based, Advanced Placement** - Advanced Placement (AP) Physics 2: Algebra Based is a college-level course that follows the guidelines of The College Board. Course-level, algebra-based, introductory physics course following the curriculum established by the College Board AP Program; provides a foundation for future course work in physics; explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory, PV diagrams and probability; electrostatics; electric circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; quantum, atomic and nuclear physics; facilitating inquiry-based learning designed to develop scientific critical thinking and reasoning skills. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board's AP exam for weighted credit. Prerequisites: AP Physics 1, Algebra Based

Physics C: Mechanics, Advanced Placement** - Advanced Placement (AP) Physics C courses are college-level courses that follow the guidelines of The College Board. There are two AP Physics C courses – Physics C: Mechanics and Physics C: Electricity and Magnetism. Mechanics covers kinematics: Newton’s Laws of Motion; work, energy, and power; systems of particles; and linear momentum, circular motion and rotation; and oscillations and gravitation. Electricity and Magnetism covers electrostatics, conductors, capacitors and dielectrics; electric circuits; magnetic fields; and electromagnetism. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing these courses. Students must take the College Board's AP exam for weighted credit. Prerequisites: Physics or Honors Physics or Pre-Calculus or Honors Pre-Calculus, and Concurrent Enrollment in Calculus.

Fee: $25 plus AP exam fee

CTE COURSES – SCIENCE SUBSTITUTES

There are eight CTE courses that may be used to fulfill either the third or fourth credit in science OR be used to fulfill one or more of the three credit requirements in CTE/English Language/Arts Education category. The CTE substitutes for science may not be used to fulfill both a core course and a CTE course; however, they may be used to earn complete status regardless of whether the course is used as a CTE course or as the third and/or fourth credit in science.

Aquaculture Science - A one credit course designed to introduce students to physical and biological concepts and skills in aquaculture. Emphasis is placed on integration of knowledge to solve problems and breadth of understanding about water chemistry and management, aquaculture systems, aquatic biology, and health and sanitation. Prerequisite: A Physical Science, Biology and Intermediate Agriscience or Fish and Wildlife Management. Fee: TCTA $25

Biotechnology, Introduction to - 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. Prerequisites: A Physical Science and Biology. Fee: TCSS $25

Chemistry of Food - Chemistry of Food is a specialized area of study that provides an in-depth study of the application of scientific principles to scientific investigation of the production, processing, preparation, evaluation, and utilization of food. Students apply the scientific method to study scientific concepts and theories in the context of nutrition and foods while achieving academic standards and competencies in the area of chemistry, biochemistry, biology, and some physics at the analysis, synthesis, and evaluations level. Students develop critical-reasoning and mathematics 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. NOTE: Chemistry of Food contains similar content to chemistry; therefore, a student who has already received a credit in chemistry may not receive a science credit for Chemistry of Food. Prerequisites: Physical Science, Biology and Family and Consumer Sciences. Fee: TCSS $25
Environmental Management - A one credit course designed to provide students with an in-depth study of environmental management principles and practices including natural resources, ecology, waste management, water and air quality, pesticide management and use, and energy conservation. **NOTE:** Environmental Management contains similar content to environmental science; therefore, a student who has already received a credit in environmental science may not receive a science credit for Environmental Management. **Prerequisites:** A Physical Science and Biology. Fee: TCSS or TCTA $25

Forensic and Criminal Investigation - This course focuses on the history of forensic science, criminal investigation, forensic serology and DNA, forensic studies in anthropology, toxicology, fingerprinting, firearms, physics, and document examination. **Prerequisites:** Biology, Chemistry and Algebra I. Fee: TCSS or TCTA $25

Human Body Structures and Functions - This is a course designed to help students develop a basic knowledge of the normal structure and function of the human body. The course uses an integrated approach for teaching medical terminology to the health care student by incorporating medical terminology into instruction regarding human body structures and functions and the disease process. This course may be taken simultaneously with the Foundations of Health Science course. **NOTE:** Human Body Structures and Functions contains similar content to anatomy and physiology; therefore, a student who has already received a credit in anatomy and physiology may not receive a science credit for Human Body Structures and Functions. **Prerequisites:** A Physical Science and Biology. Fee: TCSS or TCTA $25

Plant Biotechnology - A one credit course that provides students with an opportunity to develop an understanding of plant genetics and biotechnology relative to agriculture-related products and services. Emphasis is placed on cellular biology, applied genetics and biotechnology concepts, and social and environmental impacts of biotechnology. **Prerequisites:** A Physical Science and Biology. Fee: TCSS $25

Principles in Engineering: Project Lead the Way (PLTW) - This course is designed to explore technology systems and manufacturing processes. **Prerequisites:** Intro. to Engineering, Successful Completion of Algebra I. Currently Enrolled in or Successfully Completed Geometry. Teacher Recommendation Fee: TCTA $25

**SOCIAL STUDIES**

**ALTERNATE ACHIEVEMENT STANDARDS PATHWAY**

AAS: Social Studies 9 - This course is for students who are enrolled in social studies using alternate achievement standards which are aligned to the Alabama Course of Study. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. **Prerequisite:** None Fee: None

AAS: Social Studies 10 - This course is for students who are enrolled in social studies using alternate achievement standards which are aligned to the Alabama Course of Study. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. **Prerequisite:** AAS: Social Studies-9 Fee: None

AAS: Social Studies 11 - This course is for students who are enrolled in social studies using alternate achievement standards which are aligned to the Alabama Course of Study. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. **Prerequisite:** AAS: Social Studies-10 Fee: None

AAS: Social Studies 12 - This course is for students who are enrolled in social studies using alternate achievement standards which are aligned to the Alabama Course of Study. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. **Prerequisite:** AAS: Social Studies-11 Fee: None

**ESSENTIAL SKILLS PATHWAY**

Essentials I: World History - This course is a study of world history from 1500 to the present. Students are able to apply and utilize their knowledge to develop informed opinions about issues such as the quest for peace, human rights, trade, global ecology and the impact each has on everyday life situations. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. **Prerequisite:** None Fee: None

Essentials II: U.S. History to 1877 - This course follows a chronological study of major events, issues, movements, leaders, and groups of people of the United States through Reconstruction from a national and Alabama perspective. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. **Prerequisite:** Essentials I: World History Fee: None

Essentials III: U.S. History from 1877 - This course begins with the post-Reconstruction United States and its shift into a more industrialized society and continues through the twentieth century to the present. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. **Prerequisite:** Essentials II: U.S. History to 1877 Fee: None

Essentials IV: Economics - This course is a one-semester course that focuses on the functions and institutions of modern-day economic systems and theory. Students gain skills that will enable them to anticipate changes in economic conditions and how to adjust to the changes to improve their lives and their communities. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. **Prerequisite:** Essentials III: U.S. History from 1877 Fee: None

Essentials IV: U.S. Government - This course is a one-semester course that focuses on the origins, structure, and functions of government at all levels. It also includes a detailed study of the constitution of the United States and its provisions. This course will not be accepted in a four-year university nor will it be recognized by the NCAA. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. **Prerequisite:** Essentials III: U.S. History from 1877 Fee: None
World History: 1500 to Present - This 9th grade course examines social, political, geographical, economic, and technological changes in the world that have occurred from 1500 to the present. Critical thinking and analysis are important aspects of this course. Students compare and contrast civilizations around the world over time. Prerequisite: None

Fee: None

World History: 1500 to Present, Advanced* - This course, for able and ambitious 9th grade students, examines social, political, geographical, economic, and technological changes in the world that have occurred from 1500 to the present. Activities include independent research, group and individual projects, and class discussion. Students demonstrate critical thinking and analysis through both oral presentations and written assignments. Students compare and contrast civilizations around the world over time. Prerequisite: None

Fee: None

World History: 1500 to Present, Honors* - This course, for extremely able and ambitious 9th grade students, examines social, political, geographical, economic, and technological changes in the world that have occurred from 1500 to the present, comparing and contrasting civilization around the world over time. Activities include independent research, group and individual projects, class discussion, and analysis of works of art, cartoons, charts, graphs and other primary sources. Students demonstrate critical thinking and analysis through both oral and extensive written assignments. Students receive 0.5 extra quality points for successfully completing this class. Students must take the comprehensive course final examination for weighted credit. Prerequisite: None

Fee: None

United States History I: Beginnings to the Industrial Revolution - This course is the first part of a two-course study of U.S. History. This 10th grade course examines the social and political history of the United States from pre-historic times to post-Civil War Reconstruction. Prerequisite: Course fulfilling World History requirement

Fee: None

United States History I: Beginnings to the Industrial Revolution, Advanced* - This course is the first part of a two-course study of U.S. History. Advanced analysis of historical content, research writing, and critical thinking skills are aspects of this 10th grade course. The course examines the social and political history of the U.S. from pre-historic times to post-Civil War Reconstruction. Prerequisite: Course fulfilling World History requirement

Fee: None

United States History I: Beginnings to the Industrial Revolution, Honors* - This course covers the historic development of American history from the discovery of the North American continent to 1877. This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials of U.S. history. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Students will learn to interpret and evaluate the relative significance of primary and secondary source material and to present their evidence and conclusions clearly and persuasively in essay format. Students receive 0.5 extra quality points for successfully completing this class. Students must take the comprehensive course final examination for weighted credit. Prerequisite: Course fulfilling World History requirement

Fee: None

United States History II: The Industrial Revolution to the Present - This 11th grade course examines the political, cultural, and social history of the U.S. from the Industrial Revolution to the present. Emphasis is placed on the significance of political, social, and economic events from the settlement of the West to current events in U.S. History. Prerequisite: Course fulfilling U.S. History I requirement

Fee: None

United States History II: The Industrial Revolution to the Present, Advanced* - Advanced U.S. History for 11th grade students is an in-depth examination of political, cultural, and social history of the U.S. since 1877. Emphasis is placed on the significance of political, social, and economic events from the settlement of the West to current events in U.S. history. Activities require independent research skills, writing abilities, and strong study skills. Prerequisite: Course fulfilling U.S. History I requirement

Fee: None

U.S. History, Advanced Placement** - Advanced Placement (AP) U.S. History is a college-level course that follows the guidelines of The College Board. AP U.S. History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in the study of U.S. History. Students learn to assess historical materials; they determine their relevance to a given interpretive problem, their reliability, and their importance. The course is taught at a level comparable to that of a first-year college course. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students will receive a 1.0 extra quality point for successfully completing this course. Students must take the College Board’s AP exam for weighted credit. Prerequisite: Course fulfilling U.S. History I requirement

Fee: $25 Plus AP exam fee

U.S. Government (one-half credit)/Economics (one-half credit) - The U.S. Government and Economics courses expand students' previous knowledge of history, geography, economics, and government. The courses provide knowledge in the areas of civic responsibility, individual rights, basic economic principles, and the citizen's relationship with government. Topics include representative democracy, federalism, international relations, basic economic concepts of free enterprise and capitalism, business/labor relations, monetary and fiscal policy, and comparisons of world economic systems. Topics of study are integrated throughout the term. Prerequisite: Course fulfilling U.S. History II requirement

Fee: None

U.S. Government, Advanced* (one-half credit)/Economics, Advanced* (one-half credit) - The Advanced U.S. Government and Economics courses are designed to develop independent research skills, advanced study skills, and a comprehensive knowledge of the American system of government and economics at all levels. Topics include foreign and domestic policy, government agencies, federalism, the political process, economic concepts of free enterprise and capitalism, business/labor relations, monetary and fiscal policy, comparisons of world economic systems, and the interactions of the various levels of American government. Topics of study are integrated throughout the term. Prerequisite: Course fulfilling U.S. History II requirement

Fee: None

U.S. Government and Politics, Advanced Placement** (one-half credit) - Advanced Placement (AP) U.S. Government and Politics is a college-level course that follows the guidelines of The College Board. AP U.S. Government and Politics is for the able and ambitious student who wishes to study U.S. Government and Politics taught at the college level. Students use higher order thinking skills and advanced study techniques as they explore the development of the American political system, the rights and responsibilities of citizenship, comparative economics, monetary/fiscal policies, and interpretations of political theories and organizational systems. This course meets the government requirements as stated in the Alabama Course of Study for Social Studies. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board’s AP exam for weighted credit. Prerequisite: Course fulfilling U.S. History II requirement

Fee: $25 Plus AP exam fee

NOTE: According to Senate Bill 32, all Alabama graduating seniors must pass the new Civics test. The locally developed Civics test must use items that are published annually by the United States Citizenship and Immigration Services (USCIS) – along with state and local history, government, and geography components of the high school curriculum.
Macroeconomics, Advanced Placement® ** (one-half credit) - Advanced Placement (AP) Macroeconomics is a college-level course that follows the guidelines of The College Board. This course studies basic economic concepts; measurement of economic performance; national income and price determination; financial sector; inflation, unemployment, and stabilization policies; economic growth and productivity; open economy, international trade and finance. Students use higher order thinking skills and advanced study techniques. This course meets the economics requirement as stated in the Alabama Course of Study for Social Studies. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board’s AP exam for weighted credit. Prerequisite: Course fulfilling U.S. History II requirement

** Fee: $25 Plus AP exam fee

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** CAREER PREPAREDNESS **

Career Preparedness - Required for all students in the graduating classes of 2021 through 2024. This course is taught in grades nine through twelve (strongly recommended to be taken in grade nine). Through this course, students will gain content knowledge and skills to prepare them for college and career readiness. As part of an increased focus on readiness for college and career, this course will provide students with skills in financial literacy, technology, and career planning. Students will participate in activities involving understanding the use of credit, budgeting, economic trends, etc., as well as working to develop sound technology skills in research and application of information. Career exploration and planning and the development of an academic plan to accomplish educational and career goals are also fundamentals of this course. This course is designed to meet the required 20-hour online experience. Prerequisite: None Fee: None

Career Preparedness A - This is a one-half credit course taught in grades eight through twelve. The course prepares students with knowledge and skills in the areas of career development, academic planning, and computer skill application. This course is a prerequisite to Career Preparedness B. The required 20-hour online experience can be met by successful completion of both Career Preparedness A and Career Preparedness B. Prerequisite: None Fee: None

Career Preparedness B - This is a one-half credit course taught in grades nine through twelve. The course prepares students with knowledge and skills in the areas of career development, academic planning, and financial literacy. The required 20-hour online experience can be met by successful completion of both Career Preparedness A and Career Preparedness B. Prerequisite: Career Preparedness A Fee: None

AAS: Career Preparedness - This course is for students who are enrolled in a life skills course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards. This course when aligned to the topics in the Career Preparedness course may be used to fulfill the career preparedness requirement when it includes content related to Career and Academic Planning, Computer Applications, and Financial Literacy. Prerequisite: None Fee: None

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** HEALTH AND LIFE **

Health (one-half credit) - All students are required to take health. Topics include nutrition, exercise and rest, appearance, behavior, stress management, drug abuse prevention, the effects of alcohol and tobacco, infectious diseases, first aid and safety. The study of all aspects of safety, first aid, and healthy lifestyles are aspects of this course. This course is required for graduation. NOTE: The Foundations of Health Science is a substitute for this course; therefore, it may be used to fulfill this requirement. Prerequisite: None Fee: None

AAS: Health (one-half credit) - This code applies to students with significant cognitive disabilities enrolled in a life skills course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards. This course when aligned to the topics in the Career Preparedness course may be used to fulfill the career preparedness requirement when it includes content related to Career and Academic Planning, Computer Applications, and Financial Literacy. Prerequisite: None Fee: None

Beginning Kinesiology - This course encompasses the basic concepts of athletics and fitness, and introduces students to the basic physiological, psychological, sociological, and mechanical principles of human movement. A gym uniform or suitable gym clothes should be worn for effective participation in this course. Highly recommended that students take Beginning Kinesiology in Grade 9. Prerequisite for all physical education elective courses. This course is required for graduation.

NOTE: The following courses may be used as a substitute for this course:

- JROTC Leadership and Education Training I
- Marching/Concert Band
- Dance Line
- Flag Corps/Color Guard
- Majorette

Prerequisite: None Fee: None

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** FOREIGN LANGUAGE **

Students in the graduating classes of 2021 through 2024, must have one foreign language to receive Academic Distinction. The admission policies of many four-year colleges and universities require at least one unit of a foreign language. It is the responsibility of the student to determine from the specific four-year colleges and universities the appropriate high school courses needed.

French 1 - French 1 provides an introduction to the study of the French language. Students begin with the basic grammatical structures and vocabulary relevant to daily living. Listening, speaking, reading, and writing are the focus of the study of French. Introductory studies of the culture, geography, and traditions of France. French speaking people are aspects of French 1. Prerequisite: Students in 10th-12th Grade or 9th Grade students enrolled in Advanced or Honors English 9 Fee: None

French 2 - French 2 is a continuation of French 1. Students use French phrases in a variety of social settings to improve their understanding and pronunciation. More complex dialogues are used as students' vocabularies are expanded. French music and art studies are added to the study of French culture during French 2. Prerequisite: French 1 Fee: None

French 3 - French 3 provides opportunities for students to read short works of fiction as they continue to improve vocabulary, pronunciation, and grammar skills. Regions in France are studied in greater depth. Communication exercises involve a wide range of needs and culturally authentic situations. Prerequisite: French 2 Fee: None
French 4 - French 4 examines longer and more complex works of French literature as students continue to improve vocabulary, pronunciation, and grammar skills. French music, art, architecture, traditions, and history are studied in greater depth. Communication exercises involve a wide range of needs and culturally authentic situations. Prerequisite: French 3

German 1 - German 1 is the first year of formal instruction in the German language. Students begin with listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines and progress to reading and writing skills relevant to daily living. Introductory studies of the culture, geography, history, and traditions or German speaking people are aspects of German 1. Prerequisite: Students in 10th-12th Grade or 9th Grade students enrolled in Advanced or Honors English 9

German 2 - German 2 is a continuation of German 1. Students use German phrases in a variety of settings to improve their understanding and pronunciation. More complex dialogues are used as students' vocabularies are expanded. Students will also read with comprehension simple texts, write short presentations, and further understanding German-Speaking cultures. Prerequisite: German 1

Latin 1 - Students will find the study of Latin to be beneficial as they discover its relationship to the English language and its unique cultural and historical contributions to the modern world. The high proportion of English words derived from Latin, including many abstract terms, makes the study of Latin essential of an in-depth understanding of the spelling and meaning of these words in the English language. The subject matter of classical Latin reveals the very roots of Western civilization, including the foundations of law, architecture, medicine, science, philosophy, and religious thought. The study of Latin not only increases English vocabulary but also gives students a sense of their cultural and linguistic past. Latin 1 provides the opportunity to begin the study of Latin language and introduces them to Roman culture and its influence on the cultures of the Western world. Basic pronunciation, spelling, and translation are included in the course, while an emphasis is placed on reading, grammar, and culture. Prerequisite: Students in 10th-12th Grade or 9th Grade students enrolled in Advanced or Honors English 9

Latin 2 - Latin 2 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 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. Prerequisite: Latin 1

Spanish 1 - Spanish 1 is the first year of formal instruction in the Spanish language. Students progress from listening to and repeating short, memorized phrases to using linguistic and cultural skills for expressing needs. Emphasis is placed on dialogue and short readings, oral guided responses, the alphabet and sound system, topical vocabulary, and present tense verbs. In addition to the language study, students explore aspects of the Spanish culture, geography, history, and literature. Prerequisite: Students in 10th-12th Grade or 9th Grade students enrolled in Advanced or Honors English 9

Spanish 2 - Spanish 2, continuation of Spanish 1, is designed to enhance students' skills in listening, speaking, reading and writing the Spanish language. Students will apply these skills in simulated daily-life situations. In addition to the language study, students will continue to explore aspects of the Spanish culture, geography, history, and literature. Emphasis is placed on the oral language as a means of communication. Prerequisite: Spanish 1

Spanish 3 - Spanish 3 offers review and reinforcement of the skills and knowledge mastered in Spanish 2. Advanced grammar concepts are introduced and more complex vocabulary and reading passages are studied. Emphasis is placed on improving conversational skills and using the language in a variety of settings. Prerequisite: Spanish 2

Spanish 4 - Spanish 4 offers review and reinforcement of the skills and knowledge mastered in Spanish 3. Advanced grammar concepts are practiced and more complex vocabulary and reading passages are studied. Emphasis is placed on improving conversational proficiency and in-depth study of Hispanic culture. Prerequisite: Spanish 3

Spanish, Advanced Placement** - Advanced Placement (AP) Spanish is a college-level advanced language course following the curriculum established by the College Board Advanced Placement (AP) Program for Spanish. This course focuses on performance in listening, speaking, reading, and writing for a variety of situations with emphasis on vocabulary, structure, fluency, and accuracy; extensive writing of compositions. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board’s AP exam for weighted credit. This course may not be used to fulfill core course requirements. Prerequisite: Previous Spanish Courses Fee: $25 plus AP exam fee

ARTS EDUCATION

VISUAL ARTS COURSES

Introduction to Visual Arts I (one credit OR one-half credit) - This novice level course is the first of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how visual arts communicate ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a general foundation in studio processes, art criticism, aesthetics, and art history. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design to create original works of art. Safe practices and proper use of tools and materials are emphasized. Prerequisite: Fee: $25

Visual Arts II (one credit OR one-half credit) - This intermediate level course is the second of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how visual arts communicate ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a more in-depth study of foundations in studio processes, art criticism, aesthetics, and art history. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design to create original works of art. Safe practices and proper use of tools and materials are emphasized. Prerequisites: Introduction to Visual Arts I and Teacher Recommendation Fee: $25
Visual Arts III (one credit OR one-half credit) - This accomplished level course is the third of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how visual arts communicate ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a comprehensive study in studio processes, art criticism, aesthetics, and art history. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design to create original works of art. Safe practices and proper use of tools and materials are emphasized. Prerequisites: Visual Arts II and Teacher Recommendation Fee: $25

Visual Arts IV (one credit OR one-half credit) - This advanced level course is the fourth of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how visual arts communicate ideas and allows for self-expression. Through exploration and experimentation, this course provides students with an advanced study in studio processes, art criticism, aesthetics, and art history. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized. Prerequisites: Visual Arts III and Teacher Recommendation Fee: $25

Introduction to Two-Dimensional Design - This one credit course, novice level, is the first of a sequential high school course focusing directly on two-dimensional design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how two-dimensional design communicates ideas and allows for self-expression. Through exploration and experimentation, this course introduces core concepts of design and provides students with a foundation in the two-dimensional design processes, art criticism, aesthetics, and art history. Students will address 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. Prerequisites: Introduction to Visual Arts I and Teacher Recommendation Fee: $25

Introduction to Three-Dimensional Design - This one credit course, novice level, is the first of a sequential high school course focusing directly on three-dimensional design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how three-dimensional design communicates ideas and allows for self-expression. Through exploration and experimentation, this course introduces core concepts of spatial visual design and provides students with a foundation in the three-dimensional design processes, art criticism, aesthetics, and art history. Students will address spatial 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. Prerequisites: Introduction to Visual Arts I and Teacher Recommendation Fee: $25

Introduction to Photography I - This novice level course is the first of a sequential high school course focusing on 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 digital photography may be incorporated. Prerequisites: Introduction to Visual Arts I and Teacher Recommendation Fee: $25

Introduction to Digital Photography I - This one credit course, novice level, 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 digital photography may be incorporated. Prerequisites: Introduction to Visual Arts I Fee: $25

Introduction to Graphic Design I (one credit OR one-half credit) - This novice course 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. Prerequisite: None Fee: $25

Graphic Design II (one credit OR one-half credit) - This intermediate level course is the second 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 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. 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. Prerequisites: Introduction to Graphic Design I and Teacher Recommendation Fee: $25

Studio Art Drawing, Advanced Placement** - Advanced Placement (AP) Studio Art Drawing is a College-level advanced course approved by the College Board Advanced Placement (AP) Program for art; portfolio production; demonstrate mastery of drawing in concept, composition, and execution; develop a body of work investigating a visual idea in drawing; variety of concepts and approaches in drawing; documentation. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board’s AP exam for weighted credit. This course may be used to fulfill the CTE and/or foreign language and/or arts education study. Prerequisites: Previous Art Courses Fee: $25 plus AP exam fee

HARMONIZING INSTRUMENTS COURSES

Introduction to Guitar I (one credit OR one-half credit) - This novice level course is designed for students to experience instrumental music through instruments capable of producing both melody and harmony such as guitar and electric guitar. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. Prerequisite: None Fee: $25
Guitar II (one credit OR one-half credit) - This intermediate level course is designed for students to experience instrumental music through instruments capable of producing both melody and harmony such as guitar and electric guitar. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. Prerequisite: Introduction to Guitar I or Teacher Approval Fee: $25

Guitar III (one credit OR one-half credit) – This proficient level course is designed for students to experience instrumental music through instruments capable of producing both melody and harmony such as guitar and electric guitar. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. Prerequisite: Guitar II or Teacher Approval Fee: $25

Guitar IV (one credit OR one-half credit) - This accomplished level course is designed for students to experience instrumental music through instruments capable of producing both melody and harmony such as guitar and electric guitar. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. Prerequisite: Guitar III or Teacher Approval Fee: $25

Introduction to Piano I (one credit OR one-half credit) - This novice level course is designed for students to experience instrumental music through instruments capable of producing both melody and harmony such as piano, keyboard and synthesizer. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. Prerequisite: None Fee: $25

Piano II (one credit OR one-half credit) - This intermediate level course is designed for students to experience instrumental music through instruments capable of producing both melody and harmony such as piano, keyboard and synthesizer. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. Prerequisite: Introduction to Piano I or Teacher Approval Fee: $25

Piano III (one credit OR one-half credit) - This proficient level course is designed for students to experience instrumental music through instruments capable of producing both melody and harmony such as piano, keyboard and synthesizer. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. Prerequisite: Piano II or Teacher Approval Fee: $25

Piano IV (one credit OR one-half credit) - This accomplished level course is designed for students to experience instrumental music through instruments capable of producing both melody and harmony such as piano, keyboard and synthesizer. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of accompaniment, timbre, rhythm, melody, harmony, form and expression. Additionally, exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. Prerequisite: Piano III or Teacher Approval Fee: $25

BAND COURSES

Introduction to Concert Band I (one credit OR one-half credit) - This novice level course is 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. Prerequisite: Audition and Selection by Band Director Fee: $25

Concert Band II (one credit OR one-half credit) - This intermediate level course is 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. Prerequisite: Introduction to Concert Band I and/or Selection by Band Director Fee: $25

Concert Band III (one credit OR one-half credit) - This proficient level course is 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. Prerequisite: Concert Band II and/or Selection by Band Director Fee: $25

Concert Band IV (one credit OR one-half credit) - This accomplished level course is 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. Prerequisite: Concert Band III and/or Selection by Band Director Fee: $25

Concert Band V (one credit OR one-half credit) - This advanced level course is 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. Prerequisite: Concert Band IV and/or Selection by Band Director Fee: $25
Introduction to Marching Band I (one credit OR one-half credit) - This novice level course is designed for students to experience instrumental music in a marching band setting. Students will develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. Prerequisite: None

Marching Band II (one credit OR one-half credit) - This intermediate level course is designed for students to experience instrumental music in a marching band setting. Students will develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. Prerequisite: Introduction to Marching Band I and/or Selection by Band Director

Marching Band III (one credit OR one-half credit) - This is a one credit course, proficient level, is designed for students to experience instrumental music in a marching band setting. Students will develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. Prerequisite: Marching Band II and/or Selection by Band Director

Marching Band IV (one credit OR one-half credit) - This is a one credit course, accomplished level, is designed for students to experience instrumental music in a marching band setting. Students will develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. Prerequisite: Marching Band III and/or Selection by Band Director

Marching Band V (one credit OR one-half credit) - This advanced level course designed for students to experience instrumental music in a marching band setting. Students will develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will 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. Prerequisite: Marching Band IV and/or Selection by Band Director

Introduction to Jazz Ensemble I (one credit OR one-half credit) - This novice level course is 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. Prerequisite: None

Jazz Ensemble II (one credit OR one-half credit) - This intermediate level course is 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. Prerequisite: Introduction to Jazz Ensemble I and/or Selection by Band Director

Jazz Ensemble III (one credit OR one-half credit) - This proficient level course is 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. Prerequisite: Jazz Ensemble II and/or Selection by Band Director

Jazz Ensemble IV (one credit OR one-half credit) - This accomplished level course is 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. Prerequisite: Jazz Ensemble III and/or Selection by Band Director

Jazz Ensemble V (one credit OR one-half credit) - This advanced level course is 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. Prerequisite: Jazz Ensemble IV and/or Selection by Band Director

Introduction to Percussion (one credit) - This is a one credit course, novice level, designed for beginning music 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 famous composers of percussion band literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. Prerequisite: None

Introduction to Orchestra I (one credit OR one-half credit) - This novice level course is designed for students to experience instrumental music in a setting of only orchestra 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 famous composers of concert band literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. Prerequisite: Audition and Selection by Band Director
Orchestra II (one credit OR one-half credit)  - This intermediate level course is designed for students to experience instrumental music in a setting of only orchestra 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 famous composers of advanced level literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.  
Prerequisite: Introduction to Orchestra I and/or Selection by Band Director  
Fee: $25

Orchestra III (one credit OR one-half credit)  - This is a one credit course, proficient level, designed for students to experience instrumental music in a setting of only orchestra 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 famous composers of advanced level literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.  
Prerequisite: Orchestra II and/or Selection by Band Director  
Fee: $25

Orchestra IV (one credit OR one-half credit)  - This accomplished level course is designed for students to experience instrumental music in a setting of only orchestra 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 famous composers of advanced level literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.  
Prerequisite: Orchestra III and/or Selection by Band Director  
Fee: $25

Orchestra V (one credit OR one-half credit)  - This advanced level course is designed for students to experience instrumental music in a setting of only orchestra 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 famous composers of advanced level literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.  
Prerequisite: Orchestra IV and/or Selection by Band Director  
Fee: $25

Introduction to Instrumental Chamber Ensembles I (one credit OR one-half credit)  - This novice level course is designed for students to experience instrumental music in a chamber 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 advanced level literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.  
Prerequisite: Audition and Selection by Band Director  
Fee: $25

Instrumental Chamber Ensembles II (one credit OR one-half credit)  - This intermediate level course is designed for students to experience instrumental music in a chamber 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 advanced level literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.  
Prerequisite: Introduction to Instrumental Chamber Ensemble I and/or Selection by Band Director  
Fee: $25

Instrumental Chamber Ensemble III (one credit OR one-half credit)  - This proficient level course is designed for students to experience instrumental music in a chamber 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 advanced level concert band literature and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.  
Prerequisite: Instrumental Chamber Ensemble II and/or Selection by Band Director  
Fee: $25

DANCE COURSES

Introduction to Dance I (one credit OR one-half credit)  - This proficient level course is designed for novice students. Students progress to a proficient level through a rigorous understanding of the elements of dance. Students create and perform while exploring movement through improvisation and choreographic devices, and develop technical dance skills through correct alignment, nutrition and injury prevention. They obtain an introductory ability to analyze movement for artistic intent, using a knowledge of dance and production elements, genres and style, cultural context and evaluative criteria.  
Prerequisite: None  
Fee: $25

Dance II (one credit OR one-half credit)  - This accomplished level course is designed for proficient students. Students progress to an accomplished level as they explore and analyze choreographic devices through improvisation and solving movement problems. They develop strategies to document, gain feedback, review and revise choreography to obtain a specific artistic intent. Students develop kinesesthetic awareness of the elements of dance and relationships to other dancers, and increase technical skills providing fluency of movement. In responding to dance, students use codified technique and genre specific terminology and are able to evaluate choreography that is related to content learned in other subjects.  
Prerequisite: Introduction to Dance I  
Fee: $25

THEATRE COURSES

Introduction to Theatre I (one credit OR one-half credit)  - This proficient level course 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.  
Prerequisite: None  
Fee: $25

Theatre II (one credit OR one-half credit)  - This accomplished level course 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.  
Prerequisite: Introduction to Theatre I and Teacher Approval  
Fee: $25

Theatre III (one credit OR one-half credit)  - This accomplished level course continues the study of theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment. Students will demonstrate concepts and skills on how theatre communicates ideas and allows for self-expression. Students will use their acting talent to refine their theatre technique equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre. Students will study, write and/or perform scenes and monologues. Students will further study the history of theatre and technical theatre.  
Prerequisite: Theatre II or Teacher Approval  
Fee: $25
Theatre Independent Study (one credit OR one-half credit) - Independent Study courses at the advanced theatre arts level are courses designed to refine and develop concepts focused on a specific area of emphasis within theatre arts. These courses are often conducted with instructors or professional artists as mentors. They enable students to collaboratively and independently refine specific work of their choice from the range of forms within theatre. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills. Prerequisite: Theatre II or Teacher Approval 

Fee: $25

Acting Technique II (one credit OR one-half credit) - This accomplished level course focuses on specific acting techniques. Creating, performing, and connecting drive critical thinking, meaning, reflection, production and assessment through specific acting techniques. Self-expression and an understanding of how methods of acting may be used to communicate artistic ideas. Students will study, write and/or perform scenes and monologues, use text analysis as well as character analysis to perform informal and formal productions. Prerequisite: Introduction to Theatre I, Musical Theatre I and/or Teacher Approval

Fee: $25

Introduction to Musical Theatre I (one credit OR one-half credit) - This proficient level course explores beginning musical theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how musical theatre communicates ideas and allows for self-expression. Students will use their acting and musical talent to refine their musical theatre technique. Students will study the history of musical theatre and perform solo, duet and group musical theatre works. Prerequisite: Audition and Selection

Fee: $25

Musical Theatre II (one credit OR one-half credit) - This accomplished level course continues the study of musical theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how musical theatre communicates ideas and allows for self-expression. Students will use their acting and musical talent to refine their musical theatre technique. Students will study the history of musical theatre and perform solo, duet and group musical theatre works. Prerequisite: Musical Theatre I and/or Teacher Approval

Fee: $25

Musical Theatre III (one credit OR one-half credit) - This advanced level course continues the study of musical theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how musical theatre communicates ideas and allows for self-expression. Students will use their acting and musical talent to refine their musical theatre technique. Students will study the history of musical theatre and perform solo, duet and group musical theatre works. Prerequisite: Musical Theatre II and/or Teacher Approval

Fee: $25

CHORAL COURSES

Introduction to Mixed Chorus I (one credit OR one-half credit) - This novice level course is 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. Prerequisite: Audition and Selection by Choral Instructor

Fee: $25

Mixed Chorus II (one credit OR one-half credit) - This intermediate level course is 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. Prerequisite: Introduction to Mixed Chorus I and/or Selection by Choral Instructor

Fee: $25

Mixed Chorus III (one credit OR one-half credit) - This proficient level course is 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. Prerequisite: Mixed Chorus II and/or Selection by Choral Instructor

Fee: $25

Mixed Chorus IV (one credit OR one-half credit) - This accomplished level course is 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. Prerequisite: Mixed Chorus III and/or Selection by Choral Instructor

Fee: $25

Introduction to Women's Chorus I (one credit OR one-half credit) - This novice level course is 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. Prerequisite: Audition and Selection by Choral Instructor

Fee: $25

Women's Chorus II (one credit OR one-half credit) - This intermediate level course is 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. Prerequisite: Introduction to Women's Chorus I and/or Selection by Choral Instructor

Fee: $25

Women's Chorus III (one credit OR one-half credit) - This proficient level course is 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. Prerequisite: Women's Chorus II and/or Selection by Choral Instructor

Fee: $25
Women's Chorus IV (one credit OR one-half credit) - This accomplished level course is 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. Fee: $25
Prerequisite: Women's Chorus III and/or Selection by Choral Instructor

Introduction to Men's Chorus I (one credit OR one-half credit) - This novice level course is 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. Fee: $25
Prerequisite: Audition and Selection by Choral Instructor

Men's Chorus II (one credit OR one-half credit) - This intermediate level course is 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. Fee: $25
Prerequisite: Introduction to Men's Chorus I and/or Selection by Choral Instructor

Men's Chorus III (one credit OR one-half credit) - This proficient level course is 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. Fee: $25
Prerequisite: Men's Chorus II and/or Selection by Choral Instructor

Men's Chorus IV (one credit OR one-half credit) - This accomplished level course is 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. Fee: $25
Prerequisite: Men's Chorus III and/or Selection by Choral Instructor

Introduction to Chamber Chorus I (one credit OR one-half credit) - This novice level course is 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. Fee: $25
Prerequisite: Audition and Selection by Choral Instructor

Chamber Chorus II (one credit OR one-half credit) - This intermediate level course is 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. Fee: $25
Prerequisite: Introduction to Chamber Chorus I and/or Selection by Choral Instructor

Chamber Chorus III (one credit OR one-half credit) - This proficient level course is 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. Fee: $25
Prerequisite: Chamber Chorus II and/or Selection by Choral Instructor

Chamber Chorus IV (one credit OR one-half credit) - This accomplished level course is 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. Fee: $25
Prerequisite: Chamber Chorus III and/or Selection by Choral Instructor

Introduction to Show Choir I (one credit OR one-half credit) - This novice level course is 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. Fee: $25
Prerequisite: Audition and Selection by Choral Instructor

Show Choir II (one credit OR one-half credit) - This intermediate level course is 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. Fee: $25
Prerequisite: Introduction to Show Choir I and/or Selection by Choral Instructor

Show Choir III (one credit OR one-half credit) - This proficient level course is 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. Fee: $25
Prerequisite: Introduction to Show Choir II and/or Selection by Choral Instructor

Prerequisite: Wo
Show Choir IV (one credit OR one-half credit) - This accomplished level course is 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 experiences to historical relevance, contemporary issue, and self-reflection.  
Prerequisite: Introduction to Show Choir III and/or Selection by Choral Instructor  
Fee: $25

MUSIC LITERACY AND MUSIC THEORY COURSES

Music, Elements of Arts Literacy - This one-half credit course will provide basic instruction in music. Students will explore how to create and produce music, responding and connecting them to historical, current and personal events. Students will have an introduction to history of music, and the ethical and appropriate use of the medium. Prerequisite: None  
Fee: None

Composition and Theory: Music Theory I - This proficient level course explores music theory through academic and hands-on study, and production. The curriculum builds practical understanding of the musical elements including rhythm, melody, harmony, form, and expression through creating, performing, and responding. Exposure to music from other cultures, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issue, and self-reflection. Prerequisite: Approval of the Instructor  
Fee: $25

Music Theory, Advanced Placement** - Advanced Placement (AP) Music Theory is a college-level course that follows the guidelines of The College Board. This course is designed to develop musical skills that will lead to a thorough understanding of music composition and music theory. Students engage in the study of musical structure, composition analysis, notational systems, arrangement for instruments and/or voices, and improvisational accompaniment on the piano or other instruments. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board’s AP exam for weighted credit. This course may be used to fulfill the CTE and/or foreign language and/or arts education study. Prerequisites: Application and Selection  
Fee: $25 plus AP exam fee

CAREER AND TECHNICAL EDUCATION

Bus transportation may be available for students taking career technical education courses taught at Brookwood Career Technical Education Center, Brookwood High School, Holt High School, Northport Career Tech Annex, Tuscaloosa County High School, and Tuscaloosa Career and Technology Academy (TCTA). Students may be allowed to drive personal vehicles to Brookwood Career Technical Education Center, Brookwood High School, Holt High School, Northport Career Tech Annex, Tuscaloosa County High School, and Tuscaloosa Career and Technology Academy (TCTA) pending written parental consent. For some career technical courses, such as Work-Based Learning/COOP and/or courses that involve leaving the school campus to participate/enroll in a learning environment with business/industry, students must provide their own transportation.  
If students are accepted for WBL work experience, they must have a clear objective in a career cluster (paid work experience is referred to as Apprenticeship)  
They must be 11th or 12th grade students, at least sixteen years of age, and provide reliable transportation for work and to leave campus during coop periods. Students must have a clear objective in a career cluster and possess the knowledge, skills, behavioral qualities and abilities required for successful employment. To earn credit a student must work a minimum of 140 hours during the school year. For each class period of WBL-Coop taken (i.e. 140 hours for one class period and one credit of WBL-Coop; 280 hours for two class periods and two course credits of WBL-Coop). Students are encouraged to participate in a Career and Technical Student Organization in their career pathway for leadership development. It is recommended, but not required, that a student obtain concentrator status. (two courses within a CTE program) prior to enrollment in cooperative education. The main benefit is real-world business experience for all students.  
Prerequisites: Career Preparedness or documentation of Career Preparedness content standards achieved by the student in lieu of the course. Application packet and required forms submitted to WBL Coordinator; reliable transportation for work and to leave campus during coop periods; WBL Coordinator approval  
Fee: $25 per year

GENERAL CTE ELECTIVES

Career Mathematics - A one-credit course that provides students with the foundational knowledge and processes needed to apply mathematical concepts in a career setting. Emphasis is placed on applied problems in the areas of algebra, geometry, measurement, and probability and statistics. Students who have only earned credit in Algebra I and Geometry must pass Algebraic Connections prior to taking this course. This course is one of the CTE courses that may be used to fulfill the fourth credit in math OR be used to fulfill one or more of the three credit requirements in CTE/Foreign Language/Arts Education category. The CTE substitutes for math may not be used to fulfill both a core course and a CTE course; however, they may be used to earn competer status regardless of whether the course is used as a CTE course or as the fourth credit in math. Prerequisites: Course(s) fulfilling Geometry requirement  
Fee: None

Cooperative Education (Work-Based Learning) - All students who are employed through the Work-Based Learning/COOP Programs and/or leave the school campus to participate/enroll in a learning environment with business/industry must be prepared to adhere to industry required/OSHA standards and/or drug testing. 
Students may earn completer status by successfully completing three CTE courses in a program or by successfully completing two CTE courses in a program along with another course related to the student’s career choice. 
Students enrolled in career technical education courses are encouraged to participate in a student organization for the development of leadership, social, civic, and business-related skills. These organizations include Distributive Education Clubs of America (DECA), Future Business Leaders of America (FBLA), Family, Career and Community Leaders of America (FFCTLA), Future Teachers of America (FTA), Future Farmers of America (FFA), Health Occupations Students of America (HOSA), and SKILLS USA  
Fee: $25

Music, Elements of Arts Literacy - This one-half credit course will provide basic instruction in music. Students will explore how to create and produce music, responding and connecting them to historical, current and personal events. Students will have an introduction to history of music, and the ethical and appropriate use of the medium. Prerequisite: None
**Essentials Career Preparation** - This course is designed to provide work-based experience to high school students. Work-based experiences can be an apprenticeship (paid) or an internship (unpaid). The student should have a minimum of 140 successful hours under the supervision of a workplace mentor and the special education teacher and/or a representative of vocational rehabilitation services. This course meets the requirement of the Essentials/Life Skills Pathway. 
*Prerequisites: IEP Specifications and Placement* 
*Fee: None*

**Forensic and Criminal Investigation** - This course focuses on the history of forensic science, criminal investigation, forensic serology and DNA, forensic studies in anthropology, toxicology, fingerprinting, firearms, physics, and document examination. This course is one of the CTE courses that may be used to fulfill either the third and/or fourth credit in science OR be used to fulfill one or more of the three credit requirements in CTE/Foreign Language/Arts Education category. The CTE substitutes for science may not be used to fulfill both a core course and a CTE course; however, they may be used to earn completer status regardless of whether the course is used as a CTE course or as the third and/or fourth credit in science. 
*Prerequisites: Biology, Chemistry and Algebra I* 
*Fee: $25*

**Introduction to Commercial Photography** - A one-credit course that provides students with the opportunity to experience practical training in current and emerging photographic technology focusing on the basics in camera, film development, darkroom procedures, safety, history, and composition principles. 
*Prerequisites: None* 
*Fee: $25*

**Introduction to Robotics** - A one-credit course 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. 
*Prerequisites: None* 
*Fee: $25*

**Robotics Application** - A one-credit course with emphasis placed on the applications of a variety of robotic systems. Students will design and construct a robotic system with peripheral devices. 
*Prerequisites: Introduction to Robotics* 
*Fee: $25*

**Transition Services** - This course will provide additional transitional services preparation for students to become self-advocates, participate in post-secondary education and/or training to gain meaningful employment and support community participation as they plan for life after high school. For students pursuing an Alabama High School Diploma requiring two credits of Career/Technical Education, one credit workforce essentials and one credit cooperative education, this course meets the Workforce Essentials requirement when the school does not offer Workforce Essentials. 
*Prerequisites: IEP Specifications and Placement* 
*Fee: $25*

**Workforce Essentials** - Workforce Essentials is a one-credit course that provides students with higher-level academic and occupational skills that are transferrable across jobs and occupational areas. Emphasis is placed on academic foundations for careers, applied technology, career development and employment, entrepreneurship and business economics, social and ethical responsibilities, leadership and teamwork, safety and health, and technical knowledge and skills. Students build on prior knowledge, strengths, interests, and needs that enhance preparation for future employment and continuing education and training. 
*Prerequisites: None* 
*Fee: $25*

**Ready to Work** - The course consists of the Alabama Industrial Development and Training (AIDT) Ready-to-Work curriculum that teaches students workplace behaviors, communication, problem solving, finance, ACT WorkKeys assessment and job preparation. Students who successfully complete this course will earn the Alabama Certified Worker (ACW) credential and the National Career Readiness Certificate (NCRC). In addition, students experience career enrichment by participating in weeklong learning events related to advanced safety, manufacturing, construction, automotive, logistics, hospitality, professional services, health care and interview preparation. 
*Prerequisite: Senior Level Status* 
*Fee: $25*

**ARCHITECTURE AND CONSTRUCTION**

**BUILD YOUR SKILLS**

- **DO YOU LIKE BUILDING THINGS OR DRAWING?**
  - ✓ IN THE ARCHITECTURE & CONSTRUCTION CAREER CLUSTER, YOU CAN EITHER BE A DESIGNER OR A BUILDER.

- **DO YOU ENJOY WORKING WITH TOOLS?**
  - ✓ WHETHER YOU WORK ON CREATIVE DESIGN OF BUILDINGS, OR THE HANDS-ON SIDE, YOU WILL NEED TO BE SKILLED AT USING A MULTITUDE OF DIFFERENT TOOLS.

- **DO YOU MAKE GOOD GRADES IN MATH AND SCIENCE?**
  - ✓ MATH AND SCIENCE ARE PIVOTAL TO ARCHITECTURE & CONSTRUCTION BECAUSE THEY SERVE AS THE BASIS FOR DESIGN PRINCIPLES.

- **DO YOU LIKE WORKING WITH OTHERS?**
  - ✓ CREATIVE WORK GETS JUDGED BY AUDIENCES, CRITICS, EDITORS, AND CLIENTS, SO DEALING WITH CRITICISM IS PART OF MOST JOBS.

- **DO YOU HAVE A STRONG ATTENTION TO DETAIL?**
  - ✓ THE KEY TO WORKING IN ARCHITECTURE & CONSTRUCTION IS ACCURACY. NO MATTER YOUR JOB, EMPLOYERS WILL EXPECT YOU TO MANAGE MANY DETAILS, BOTH LARGE AND SMALL.

**IF YOU ANSWERED “YES” TO MOST OF THESE QUESTIONS, THE ARCHITECTURE & CONSTRUCTION CLUSTER COULD BE RIGHT FOR YOU.**

**CARPENTRY PROGRAM**

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Course</td>
<td>Architecture, Construction and Manufacturing (foundation)</td>
</tr>
<tr>
<td>2nd Course</td>
<td>NCCER Carpentry 1</td>
</tr>
<tr>
<td>3rd Course</td>
<td>NCCER Carpentry 2</td>
</tr>
<tr>
<td>4th Course</td>
<td>NCCER Carpentry 3</td>
</tr>
<tr>
<td>5th Course</td>
<td>Senior Career Pathway Project – Architecture and Construction</td>
</tr>
</tbody>
</table>

**Career Readiness Indicators**

- ✓ NCCER Core + NCCER Carpentry Level 1 + NCCER Carpentry Level 2 & up as recommended by Advisory Committee

**Potential Workforce Careers**

- Residential Carpenter
- Commercial Carpenter
- Industrial Carpenter
- Cabinet Maker
- Contractor
- Site Foreman
WELDING PROGRAM

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st and 2nd Courses</td>
<td>Architecture, Construction &amp; Manufacturing and NCCER Welding 1 (foundation)</td>
</tr>
<tr>
<td>3rd and 4th Courses</td>
<td>NCCER Welding 2 and Safety and Health Regulations</td>
</tr>
<tr>
<td>5th and 6th Courses</td>
<td>NCCER Welding 3 and NCCER Welding 4</td>
</tr>
</tbody>
</table>

Career Readiness Indicators
- NCCER Core • NCCER Welding Level I • NCCER Welding Level 2 as recommended by Advisory Committee

Potential Workforce Careers
- Welder • Certified Welding Inspector • Welding Supervisor • Under Water Welder • Pipefitter • Industrial Maintenance Mechanic

Architecture, Construction, and Manufacturing - This foundation course provides students with an overview of the Architecture and Construction career cluster, which includes three pathways: Construction, Design and Preconstruction, and Maintenance Operations. Students in this foundation course will be provided an opportunity to engage in challenging curricula and develop technical skills in the areas of safety, related mathematics, usage of hand and power tools, construction industry, blueprint reading, basic rigging, and basic employability skills. Students enrolled at Brookwood High School, Holt High School, and Tuscaloosa County High School may be enrolled in the program at Holt High School. Prerequisite: None  
Fee: $25

NCCER Carpentry 1 - This is the first of three required one credit courses in the Carpentry pathway. It is designed to complete all core requirements for NCCER Core credentialing and to provide students with fundamental knowledge and skills emphasizing use of hand and power tools, construction industry, blueprint reading, basic rigging, and basic employability skills. Students enrolled at Brookwood High School, Holt High School, and Tuscaloosa County High School may be enrolled in the program at Holt High School. Prerequisite for NCCER Carpentry 1 ONLY: None  
Fee: $25

NCCER Carpentry 2 - This is the second of three required one credit courses in the Carpentry pathway. It is designed to provide students with advanced knowledge and skills emphasizing wall, ceiling, and basic construction layout needed for NCCER Carpentry Level I Credentialing. Students enrolled at Brookwood High School, Holt High School, and Tuscaloosa County High School may be enrolled in the program at Holt High School. Prerequisite: NCCER Carpentry 1  
Fee: $25

NCCER Carpentry 3 - This is the third of three required one credit courses in the Carpentry pathway. It is designed to provide students with advanced knowledge, skills and practice emphasizing wall, ceiling, and roof framing, windows, entrance doors, and stair layout needed for NCCER Carpentry Level I Credentialing. Students enrolled at Brookwood High School, Holt High School, and Tuscaloosa County High School may be enrolled in the program at Holt High School. Prerequisite: NCCER Carpentry 2  
Fee: $25

Safety and Health Regulations - A one credit course designed to provide students with an understanding of basic safety standards, governmental and industry regulations, and individual responsibilities in workplace safety and health practices. Content focuses on identifying common safety hazards and minimizing or avoiding unsafe practices. Prerequisite: None  
Fee: $25

Senior Career Pathway Project-Architecture and Construction - Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses  
Fee: $25

Architecture, Construction, and Manufacturing - This foundation course provides students with an overview of the Architecture and Construction career cluster, which includes three pathways: Construction, Design and Preconstruction, and Maintenance Operations. Students in this foundation course will be provided an opportunity to engage in challenging curricula and develop technical skills in the areas of safety, related mathematics, usage of hand and power tools, construction industry, blueprint reading, basic rigging, and basic employability skills. Prerequisite: None  
Fee: $25

Safety and Health Regulations - A one credit course designed to provide students with an understanding of basic safety standards, governmental and industry regulations, and individual responsibilities in workplace safety and health practices. Content focuses on identifying common safety hazards and minimizing or avoiding unsafe practices. Prerequisite: None  
Fee: $25

NCCER Welding 1 - This course is the first of four required one credit courses in the Welding Technologies Pathway. It is designed to complete all core requirements for NCCER Core Credentialing and to provide students with fundamental knowledge and skills emphasizing use of hand tools, power tools, welding theory and practices which are utilized in the manufacturing and construction industry. This entry-level course is required for NCCER Welding Level I Credentialing and may be taken as one of the optional technical courses with credit applied to the Industrial Maintenance Technology area. Prerequisite: None  
Fee: $25

NCCER Welding 2 - This course is the second of four required one credit courses in the Welding Technologies Pathway. Topics include: basic shielded metal arc welding, blueprint reading, weld symbols, joint identification, and print reading. Emphasis is placed on fundamental knowledge, guided practice, and NCCER Welding Level I requirements. As one of the optional technical courses with credit applied to the Industrial Maintenance Technology area. Prerequisites: NCCER Welding 1 and Teacher Recommendation  
Fee: $25

NCCER Welding 3 - This course is the third of four required one credit courses in the Welding Technologies Pathway. It is designed to provide students with additional practice and skills development. Emphasis is placed on application and operation of shielded metal arc welding (SMAW), equipment and mastery in the vertical, 3-F and overhead, 4-F positions leading to NCCER Welding Level I Credentialing. Prerequisites: NCCER Welding 2 and Teacher Recommendation  
Fee: $25

NCCER Welding 4 - This course is the fourth of four required one credit courses in the Welding Technologies Pathway. It is designed to provide students with additional practice and skills development. Emphasis is placed on application and operation of shielded metal arc welding (SMAW), equipment and mastery in the vertical, 3-F and overhead, 4-F positions leading to NCCER Welding Level I Credentialing and AWS Plate Certification. Prerequisites: NCCER Welding 3 and Teacher Recommendation  
Fee: $25
Senior Career Pathway Project-Architecture and Construction - Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses Fee: $25

Agriculture, Food and Natural Resources

**Plant the Seeds of Success**

- Are you interested in environmental issues?
  - Yes, the environment is the canvas on which all agriculture, food & natural resources career paths are painted. A basic interest in environmental issues is a must for success in this field.

- Do you have a love for the great outdoors?
  - Yes, in Alabama, plenty of jobs are available in this career cluster; the majority of them will lead you outdoors.

- Are you good with animals, or interested in biological sciences?
  - Yes, food production jobs allow you to work closely with animals. Students who are comfortable around animals have a leg up on this career path.

- Do you enjoy gardening, camping, hunting or fishing?
  - Yes, jobs in agriculture, food & natural resources often require you to get your hands dirty, whether you are leading a fishing trip or landscaping a new business complex.

- Do you have strong organizational skills?
  - Yes, jobs in this career cluster are best suited to people with a well-rounded work ethic and the ability to stay organized.

If you answered "yes" to most of these questions, agriculture, food & natural resources could be right for you.

**Agriculture Construction Program**

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Course</td>
<td>Agriscience (foundation)</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Intro to Metal Fabrication (BWHS)/Construction Framing (TCHS)</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Construction Framing OR Construction Finishing (BWHS)/Construction Finishing (TCHS)</td>
</tr>
<tr>
<td>4th Course</td>
<td>Senior Career Pathway Project – Agriculture, Food, Natural Resources</td>
</tr>
</tbody>
</table>

**Career Readiness Indicators**

- NCCER Core
- NCCER Carpentry Level 1
- NCCER Welding Level 1

**Potential Workforce Careers**

- Construction Laborer
- Agricultural Contractor
- Pipe Layer
- Welder
- Electrician
- Plumber
- Industrial Maintenance Technician
- HVAC Technician
- Agricultural Engineer
- Construction Manager
- Mechanical Drafter

**Agriscience (one credit or one-half credit)** - In Agriscience, students receive instruction in the areas of environmental science, biotechnology, plant and soil science, animal science, conservation and natural resources, and aspects of agricultural technology. Students participate in hands-on learning activities, safety instruction, employability skills training, and student leadership development organization. Activity topics include service, emission controls, machinery tools, steering systems, and applied studies. Prerequisite: None Fee: $25

**Construction Site Preparation and Foundations** - This course is designed to facilitate student understanding of 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. Prerequisite: None Fee: $25

**Construction Framing** - Construction framing is a one credit course designed to provide 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. Prerequisite: None Fee: $25

**Construction Finishing & Interior Systems** - This one credit course is designed to provide instruction on all common exterior and interior finishing phases of a structure. Topics include career opportunities, safety, windows, doors, plumbing, electrical wiring, insulation, wall coverings, storage, and finishes. Prerequisites: None Fee: $25

**Metal Fabrication, Introduction to** - This specialized agriscience course is designed to train students in the area of construction and metal fabrication. Topics include safety, job skills, computer applications, welding, construction techniques and building systems. Prerequisite: None Fee: $25

**Metal Inert Gas (MIG) Welding and Flux Cored Arc Welding (FCAW), Introduction to** - This course provides students with opportunities to examine safety and technical information in metal fabrication and participate in hands-on activities in the laboratory. Topics include career opportunities, safety, planning metal structures, identification and selection, and weld quality. This course encourages critical thinking, use of the scientific method, integration of technology, development of student leadership skills, and application of knowledge and skills related to practical questions and problems. Safety concepts are integrated into instruction to the maximum extent possible. Prerequisite: None Fee: $25
Senior Career Pathway Project-Agriculture, Food and Natural Resources - Senior Career Pathway Project is a 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. Teacher approval is required. **Prerequisite:** Successful Completion of Two Career/Tech Courses  
 **Fee:** $25

### ANIMAL SYSTEMS PROGRAM

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Course</td>
<td>Agriscience (foundation)</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Animal Science</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Introduction to Veterinary Science OR Poultry Science</td>
</tr>
<tr>
<td>4th Course</td>
<td>Senior Career Pathway Project – Agriculture, Food, Natural Resources</td>
</tr>
</tbody>
</table>

**Career Readiness Indicators**  
- NCCER Core  
- Adult Beef Quality Assurance (BQA – all three areas required)  
- Cattle/Calf, Feedyard, Stocker  

**Potential Workforce Careers**  
- Food Science Technician  
- Farm Worker  
- Artificial Insemination Technician  
- Veterinarian  
- Veterinary Technician  
- Farm Products Purchasing Agent  
- Agricultural Sales  
- Non-Farm Animal Worker  
- Livestock Manager  
- Poultry Operator  
- Ag Field Service Representative  
- Food Quality Assurance  
- USDA Inspector

**Agriscience (one credit OR one-half credit)** - In Agriscience, students receive instruction in the areas of environmental science, biotechnology, plant and soil science, animal science, conservation and natural resources, and aspects of agricultural technology. Students participate in hands-on learning activities, safety instruction, employability skills training, and student leadership development organization. Activity topics include service, emission controls, machinery tools, steering systems, and applied studies. **Prerequisite:** None  
**Fee:** $25

**Animal Biotechnology** - This course provides opportunities for students to become knowledgeable of the principles and practices of animal genetics and biotechnology as related to agricultural products and services. Emphasis is placed on the impact of animal biotechnology, and applied genetics and breeding. **Prerequisite:** None  
**Fee:** $25

**Animal Science** - This course provides instruction and opportunities to participate in activities related to animal science. Emphasis is placed on breed identification, nutrition, disease control, and reproduction. Specific content standards to be included in each course are indicated in the Course of Study chart. **Prerequisite:** None  
**Fee:** $25

**Veterinary Science, Introduction to** - This course is designed to provide students with an introduction to the veterinary science profession. Topics include career opportunities, safety, human treatment, laws and regulations, anatomy and physiology, animal health, and veterinary services. **Prerequisite:** None  
**Fee:** $25

**Poultry Science** – Poultry Science is a one-credit course that provides students with instruction and opportunities to participate in hands-on activities in the areas of safety, environmental issues, breeds of poultry, nutrition and disease prevention, consumer issues, biotechnological advancement, and management and marketing principles. **Prerequisite:** Agriscience  
**Fee:** $25

**Senior Career Pathway Project-Agriculture, Food and Natural Resources** - Senior Career Pathway Project is a 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. Teacher approval is required. **Prerequisite:** Successful Completion of Two Career/Tech Courses  
**Fee:** $25

### PLANT SYSTEMS PROGRAM

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Course</td>
<td>Agriscience (foundation)</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Sports Turfgrass Production Management OR Landscape Design and Management</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Horticulture Science OR Greenhouse Production and Management</td>
</tr>
<tr>
<td>4th Course</td>
<td>Senior Career Pathway Project – Agriculture, Food, Natural Resources</td>
</tr>
</tbody>
</table>

**Career Readiness Indicators**  
- NCCER Core  
- Landscape Management Technician  
- Urban Forestry Technician  
- Setting of Landscape Plans (SLP) Permit  
- Tree Surgery (TS) Permit  
- Landscape Design (LD) Permit  
- Landscape Design and Plant Materials Certification  
- Forestry Worker Certification  
- Turfgrass Management Certification  
- Specialty Crops

**Potential Workforce Careers**  
- Chemical Engineer  
- Soil Scientist  
- Pesticide Handler/Applicator  
- Pest Control Worker  
- Landscape Designer  
- Landscape Worker  
- Agronomy Sales  
- Golf Course Superintendent  
- Turfgrass Producer  
- Lab Technician

**Agriscience (one credit OR one-half credit)** - In Agriscience, students receive instruction in the areas of environmental science, biotechnology, plant and soil science, animal science, conservation and natural resources, and aspects of agricultural technology. Students participate in hands-on learning activities, safety instruction, employability skills training, and student leadership development organization. Activity topics include service, emission controls, machinery tools, steering systems, and applied studies. **Prerequisite:** None  
**Fee:** $25

**Agriculture Communications** - This course is designed to enable students to effectively communicate in agribusiness settings. Emphasis is placed on conflict resolution, time management, and supervised agricultural experience programs. Topics include career opportunities, effective communication, conflict resolution, group dynamics, goal setting, time management, effective leadership, parliamentary procedure, supervised agriculture experience in regards to the agriculture industry. **Prerequisite:** None  
**Fee:** $25
Greenhouse Production and Management - This course is related to the production of greenhouse crops. Topics include career opportunities, safety, plant propagation, growing media, plant identification, greenhouse production, pest control, business management, and equipment and facilities. 
Prerequisite: None
Fee: $25

Horticulture Science - Horticulture Science is a course in which students receive instruction about this multi-faceted industry and participate in hands-on activities in the areas of careers, technological advancements, employability skills, SAEPs, computer application, basic plant science, plant propagation, soil and media mixture, plant nutrition, greenhouse design and structures, nursery crops, hydroponics, and vegetable gardening. Prerequisite: None
Fee: $25

Landscape Design and Management - This course allows students to become more knowledgeable about and appreciative of landscape design and management. Topics include career opportunities, safety, landscape design, plant selection, landscape growth and the environment, landscape establishment and management, interior plantscaping and xeriscaping, landscape management, and technology. Prerequisite: None
Fee: $25

Nursery Production and Management - This course is designed to introduce students to the production of nursery crops. Topics include career opportunities, safety, basic plant science, plant propagation, nursery growing media, plant identification, nursery production, pest control, business management, and equipment and facilities. Prerequisite: None
Fee: $25

Plant Biotechnology - A one credit course that provides students with an opportunity to develop an understanding of plant genetics and biotechnology relative to agriculture-related products and services. Emphasis is placed on cellular biology, applied genetics and biotechnology concepts, and social and environmental impacts of biotechnology. This course is one of the CTE courses that may be used to fulfill either the third and/or fourth credit in science OR be used to fulfill one or more of the three credit requirements in CTE/Foreign Language/Arts Education category. The CTE substitutes for science may not be used to fulfill both a core course and a CTE course; however, it may be used to earn complete status regardless of whether the course is used as a CTE course or as the third and/or fourth credit in science. Prerequisites: A Physical Science and Biology
Fee: $25

Sports Turfgrass Production Management - This course provides hands-on activities in the areas of careers; safety; turf grass identification, classification, selection establishment, renovation, management, and fertilization; types of sports fields management; golf course management; turf grass pest management; pesticide application; turf grass drainage and irrigation systems; turf grass tool and equipment identification; maintenance of tools and machinery; and business management skills. Prerequisite: None
Fee: $25

Senior Career Pathway Project-Agriculture, Food and Natural Resources - Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses
Fee: $25

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FLORAL DESIGN PROGRAM

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<thead>
<tr>
<th>Sequence</th>
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<tbody>
<tr>
<td>1st Course</td>
<td>Agriscience (foundation)</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Floral Design and Interiorscaping</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Specialty Floral Design and Management OR Creative Floral Design</td>
</tr>
<tr>
<td>4th Course</td>
<td>Senior Career Pathway Project – Agriculture, Food, Natural Resources</td>
</tr>
</tbody>
</table>

Career Readiness Indicators
- Florist
- Florist Worker
- Event Planner

Potential Workforce Careers

Agriscience (one credit OR one-half credit) - In Agriscience, students receive instruction in the areas of environmental science, biotechnology, plant and soil science, animal science, conservation and natural resources, and aspects of agricultural technology. Students participate in hands-on learning activities, safety instruction, employability skills training, and student leadership development organization. Activity topics include service, emission controls, machinery tools, steering systems, and applied studies. Prerequisite: None
Fee: $25

Floral Design and Interiorscaping - This course is designed to introduce students to the floral industry. Topics include career opportunities, safety, floral design, and interiorscaping. This course encourages critical thinking, use of the scientific method, integration of technology, development of student leadership skills, and application of knowledge and skills related to practical questions and problems. Prerequisite: None
Fee: $25

Specialty Floral Design and Management - Specialty Floral Design and Management is a course designed to enhance students' knowledge of business operations, management, and floral design skills. Prerequisite: None
Fee: $25

Senior Career Pathway Project-Agriculture, Food and Natural Resources - Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses
Fee: $25
**ENVIRONMENTAL AND NATURAL RESOURCES SYSTEMS PROGRAM**

<table>
<thead>
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<tbody>
<tr>
<td>1st Course</td>
<td>Agriscience (foundation)</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Fish and Wildlife Management</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Forestry</td>
</tr>
<tr>
<td>4th Course</td>
<td>Senior Career Pathway Project – Agriculture, Food, Natural Resources</td>
</tr>
</tbody>
</table>

**Career Readiness Indicators**

- NCCER Core
- Urban Forestry Technician
- Integrated Pest Management Certification
- Forestry Worker Certification
- Tree Surgery (TS) Permit

**Potential Workforce Careers**

- Forester
- Environmental Engineer
- Forest and Conservation Worker
- Conservation Officer
- Lab Technician
- Hunters and Trappers
- Wildlife Biologist
- Soil Scientist
- Professional Fisherman
- Logger
- Recreation Worker

**Agriscience (one credit OR one-half credit)** - In Agriscience, students receive instruction in the areas of environmental science, biotechnology, plant and soil science, animal science, conservation and natural resources, and aspects of agricultural technology. Students participate in hands-on learning activities, safety instruction, employability skills training, and student leadership development organization. Activity topics include service, emission controls, machinery tools, steering systems, and applied studies. **Prerequisite: None**  
Fee: $25

**Environmental Management** - A one credit course designed to provide students with an in-depth study of environmental management principles and practices including natural resources, ecology, waste management, water and air quality, pesticide management and use, and energy conservation. This course is one of the CTE courses that may be used to fulfill either the third and/or fourth credit in science OR be used to fulfill one or more of the three credit requirements in CTE/Foreign Language/Arts Education category. The CTE substitutes for science may not be used to fulfill both a core course and a CTE course; however, it may be used to earn complete status regardless of whether the course is used as a CTE course or as the third and/or fourth credit in science. **NOTE:** Environmental Management contains similar content to environmental science; therefore, a student who has already received a credit in environmental science may not receive a science credit for Environmental Management. **Prerequisites: A Physical Science and Biology**  
Fee: $25

**Fish and Wildlife Management (one credit OR one-half credit)** - Fish and Wildlife Management is a course that provides students with the opportunity to develop an understanding of the important role these natural resources play in the ecosystem. Topics include careers; outdoor safety; history and administration of fish and wildlife management; fish and wildlife issues; sport hunting; and outdoor recreation. **Prerequisite: None**  
Fee: $25

**Forestry** - Forestry is a one-credit course designed to enable students to become knowledgeable of forestry and wood technology. Emphasis is placed on dendrology, tree measurement, mapping, silviculture, and forest products. **Prerequisite: Agriscience**  
Fee: $25

**Urban Forestry** - Urban Forestry is a one-credit course designed to enable students to acquire forestry knowledge and skills for in an urban setting. Topics include career opportunities, safety, climbing and rigging, urban tree management, and tree disorders. **Prerequisite: None**  
Fee: $25

**Senior Career Pathway Project-Agriculture, Food and Natural Resources** - Senior Career Pathway Project is a 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. **Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses**  
Fee: $25

**ARTS, A/V TECHNOLOGY AND COMMUNICATIONS**

**IMAGINE YOUR WORLD**

- **DO YOU LIKE TO WRITE, ACT, SING, OR CREATE VISUAL ART?**  
  ✓ MANY CAREERS IN THIS CLUSTER REQUIRE CREATIVITY, ARTISTIC FLAIR, OR AN ABILITY TO PERFORM ONSTAGE OR ON-CAMERA.

- **ARE YOU GOOD AT FIXING THINGS OR FIGURING OUT WHY SOMETHING ISN’T WORKING?**  
  ✓ PROFESSIONALS IN THIS CLUSTER ARE CREATIVE THINKERS WHO USE TECHNICAL KNOWLEDGE, HIGH-TECH TOOLS, AND HANDS-ON SKILLS.

- **CAN YOU COMPLETE MULTIPLE ASSIGNMENTS ON TIME AND ON YOUR OWN WITHOUT REMINDERS?**  
  ✓ MANY PEOPLE IN ARTS-RELATED FIELDS ARE SELF-EMPLOYED. THEY WORK FOR SEVERAL DIFFERENT CLIENTS INSTEAD OF FOR A SINGLE COMPANY.

- **HOW DO YOU REACT WHEN OTHERS SUGGEST WAYS TO IMPROVE YOUR WORK PERFORMANCE?**  
  ✓ CREATIVE WORK GETS JUDGED BY AUDIENCES, CRITICS, EDITORS, AND CLIENTS, SO DEALING WITH CRITICISM IS PART OF MOST JOBS.

- **DO YOU ENJOY WORKING ON PROJECTS AS PART OF A TEAM?**  
  ✓ ARTS & COMMUNICATION PROFESSIONALS COMBINE TALENTS TO CREATE A FINAL PRODUCT. NO MATTER HOW TALENTED YOU ARE, YOU HAVE TO BE ABLE TO WORK WELL ON A TEAM TO SUCCEED.

**IF YOU ANSWERED “YES” TO MOST OF THESE QUESTIONS, ARTS, A/V TECHNOLOGY AND COMMUNICATIONS COULD BE RIGHT FOR YOU.**
**ADVERTISING DESIGN**

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Course</td>
<td>Introduction to Advertising Design</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Digital Design</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Graphic Illustration</td>
</tr>
<tr>
<td>4th Course</td>
<td>Studio Portfolio</td>
</tr>
<tr>
<td>5th Course</td>
<td>CTE Lab in Arts, AV Television, and Communication</td>
</tr>
<tr>
<td>6th Course</td>
<td>Senior Career Pathway Project – Arts, AV Tech &amp; Communications</td>
</tr>
</tbody>
</table>

**Career Readiness Indicators**

- Adobe Photoshop Certified Associate
- Adobe Premiere Pro Certified Associate
- Adobe Illustrator Certified Associate
- Adobe Flash Certified Associate
- Certified Internet Webmaster E-Commerce
- Certified Webmaster Enterprise Developer
- Certified Internet Webmaster E-Commerce
- Certified Internet Webmaster Site Designer
- Adobe Creative Suite Certified
- Certified Final Cut Pro Certified
- Certified Motion Graphics Designer
- Certified Pro Video Editor: Premiere Pro Certified
- Certified Final Cut Pro Certified
- Certified Motion Graphics Designer
- Certified Pro Video Editor: Premiere Pro Certified
- Certified BroadcastTechnologist

**Potential Workforce Careers**

- Art Director
- Digital Creative Specialist
- Digital Marketing Specialist
- Graphic Designer
- Media Strategist
- Coordinator
- Motion Graphics Designer
- Production Artist
- Visual Designer

**Introduction to Advertising Design** – Introduction to Advertising Design is a one-credit course that provides students with instruction and experiences in an advertising design laboratory and studio environment. **Prerequisite:** None. **Fee:** $25

**Digital Design** – Digital Design is a course that provides students with hands-on experiences including computer operations, applications and procedures, type styles, desktop publishing, layout and design techniques, mechanical production files, formats, and workplace-related technology. **Prerequisite:** Introduction to Advertising Design or an equivalent visual arts course. **Fee:** $25

**Graphic Illustration** – Graphic Illustration provides students with experiences and instruction in object and information design. **Prerequisite:** Digital Design. **Fee:** $25

**Studio Portfolio** – Studio Portfolio is a course that provides students with the opportunity to create projects utilizing traditional and electronic portfolio presentations. This course prepares students for postsecondary education and/or entry-level positions in the advertising design industry. **Prerequisite:** Graphic Illustration. **Fee:** $25

**CTE Lab in Arts, AV Television, and Communication** – CTE Lab in Arts, AV Television, and Communication is an extended laboratory experience to address the advancement and specialization of careers within Arts, AV Television, and Communication through individualized or small group instruction. This course allows students to enhance the essential and intermediate skills learned through program courses within the career cluster and prepare for industry credentialing opportunities. **Prerequisite:** Two or more courses in the Advertising Design Pathway. **Fee:** $25

**TELEVISION PRODUCTION**

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Course</td>
<td>Introduction to Television Production</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Television Production: Writing, Producing and Performing</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Television Production: Studio Operations</td>
</tr>
<tr>
<td>4th Course</td>
<td>Television Production: Photography and Editing</td>
</tr>
<tr>
<td>5th Course</td>
<td>Advanced Television Production</td>
</tr>
<tr>
<td>6th Course</td>
<td>Senior Career Pathway Project – Arts, AV Tech &amp; Communications</td>
</tr>
</tbody>
</table>

**Career Readiness Indicators**

- Adobe-Photoshop Certified Associate
- Adobe-Premiere Pro Certified Associate
- Apple Final Cut Pro-Certified ProLevel One
- Apple Aperture-Certified Pro-Level One
- Apple Motion-Certified Pro-Level One
- Certified BroadcastTechnologist

**Potential Workforce Careers**

- Editing/Postproduction Specialist
- News Broadcaster
- News Writer/Editor
- Production Assistant
- Set Design & Lighting
- Sound Specialist
- Television/Video Camera Operator

**Introduction to Television Production** – 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. A school-based television studio is required for this course. **Prerequisite:** Application and Selection. **Fee:** $25

**Television Production: Writing, Production, and Performing** – A one-credit course that provides students with a variety of real-world learning opportunities through laboratory experiences in television writing, producing, and performing. The prerequisite for this course is Introduction to Television Production. A school-based television studio is required for this course. **Prerequisite:** Application and Selection. **Fee:** $25

**Television Production: Photography & Editing** – A one-credit course that provides students with a variety of real-world learning opportunities through laboratory experiences in photography and editing for television productions. The prerequisite for this course is Introduction to Television Production. A school-based television studio is required for this course. **Prerequisite:** Introduction to Television Production, Application and Selection. **Fee:** $25
Advanced Television Production – A one-credit course that provides students with opportunities to create and market video productions. A school-based television studio is required for this course. Prerequisites: Introduction to Television Production and a minimum of one additional Television Production course which includes Television Production—Writing, Producing, and Performing; Television Production—Studio Operations; or Television Production—Photography and Editing. Prerequisite: Fee: $25

Business Technology Applications (one credit OR one-half credit) - Business Technology Applications (BTA) is designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications. Simulations and projects promoting teamwork, leadership, and workplace skills offer further opportunities for applications of knowledge and skills. Prerequisite: None

Business Essentials - Business Essentials is designed to introduce students to commerce and information technology. Students learn about different types of business ownership and engage in leadership, entrepreneurship, ethics, business management and finance, safety, and communication and interpersonal skill activities. Prerequisite: None Fee: $25

Business Technology Applications, Advanced - This course, formerly titled Integrated Computer Technology, provides students with project-based applications of concepts learned in Business Technology Applications. Emphasis is placed on constructing written communications; designing spreadsheets, charts, graphs, and databases; preparing multimedia presentations. Prerequisite: Business Technology Applications Fee: $25

Law in Society (one credit OR one-half credit) - Law in Society is designed to acquaint students with the basic legal principles common to business activities: the law of contracts, bailment, commercial paper, insurance, business organization, employment, and real and personal property. Emphasis is placed upon business law as it affects young adults. Activities and instruction focus on the legal rights and responsibilities of students as citizens, consumers, and employees. Students are eligible to participate in FBLA, a student organization for the development of leadership, social, civic, and business-related skills. Prerequisite: None Fee: $25
Management Principles (one credit OR one-half credit) - Management Principles is designed to provide students with an understanding of the organizational functions of businesses including quality concepts, project management, and problem solving. Topics include analyzing functions of management, examining leadership styles, and reviewing organizational structures. Prerequisite: None Fee: $25

Multimedia Design - Multimedia Design is designed to provide students with hands-on skills involving interactive presentations, graphic design, digital photography, Web publishing, and digital video production. Students use various hardware peripherals and software for creating multimedia projects. Prerequisite: Career Preparedness Fee: $25

Multimedia Publications - This elective course is designed to provide students skills and experiences in enhanced multimedia presentations, publication layout, graphic design, digital video production, Web design, and photography. Students will design interactive media projects utilizing various technologies. Prerequisite: Multimedia Design Fee: $25

Senior Career Pathway Project-Business Management and Administration - Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses Fee: $25

Education and Training

GO TO THE HEAD OF THE CLASS

- DO YOU ENJOY SCHOOL? ✓ IF YOU ARE THE TYPE WHO LOOKS FORWARD TO SCHOOL, THERE IS A GOOD CHANCE YOU COULD FIND YOURSELF AT HOME IN A TEACHING CAREER.

- ARE YOU ACTIVE IN SCHOOL OR COMMUNITY GROUPS? ✓ TEACHING MAY REQUIRE PARTICIPATION IN STUDENT AND COMMUNITY GROUPS THAT RELATE TO EDUCATION.

- DO YOU LOVE TO LEARN? ✓ LEARNING IS THE ESSENCE OF TEACHING, AND A BASIC PASSION FOR LEARNING IS FUNDAMENTAL TO SUCCEEDING IN THIS CAREER CLUSTER.

- DO YOU HELP YOUR FRIENDS WITH SCHOOLWORK OR STUDYING? ✓ FOR MANY EDUCATORS, TUTORING CAN BE THE FIRST STEP TOWARD A LONG CAREER IN EDUCATION.

- ARE YOU COMFORTABLE SPEAKING IN FRONT OF GROUPS? ✓ DAY AFTER DAY, EDUCATIONAL PROFESSIONAL SPEAK IN FRONT OF GROUPS. IF YOU ENJOY PUBLIC SPEAKING, YOU JUST MIGHT FIND HAPPINESS IN PURSUING A CAREER IN THE FIELD OF EDUCATION.

IF YOU ANSWERED “YES” TO MOST OF THESE QUESTIONS, EDUCATION & TRAINING COULD BE RIGHT FOR YOU.

TEACHING AND TRAINING PROGRAM

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
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</thead>
<tbody>
<tr>
<td>1st Course</td>
<td>Education and Training (required foundation course)</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Teaching I</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Teaching II</td>
</tr>
<tr>
<td>4th Course</td>
<td>Education and Training Internship</td>
</tr>
</tbody>
</table>

Career Readiness Indicators
• Athens State University Education and Training Certification • ETS Praxis Core Academic Skills (Must pass Reading, Writing, and Mathematics) • Praxis II: Principles of Learning and Teaching: Grades K-6 • Praxis II: Principles of Learning and Teaching: Grades 5-9 • Praxis II: Principles of Learning and Teaching: Grades 7-12 • ASK Institute – Concepts of Entrepreneurship and Management

Potential Workforce Careers
• Training and Development Specialist • Teacher, Postsecondary All Areas • Graduate Teaching Assistant • Elementary, Middle, and Secondary School Teachers, including Special Education and Career Technical Education Teacher • Adult Literacy, Remedial Education, and GED Teachers and Instructor • Teacher Assistant • Education Consultant • Associate Professor Higher Education

Education and Training - This course is designed for students who are interested in pursuing careers in education. Content standards guide students to discover the teaching and learning processes and career opportunities in the field of 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. See Teaching I and II for additional education training courses. Prerequisite: Teacher Approval Fee: $25

Teaching I - This Family and Consumer Science Education course is open to students in grades 10 through 12. Students will explore funding, legal aspects of education, the learning environment, curriculum development, professionalism, technology, and careers. Internship at the elementary or secondary school level is part of the laboratory requirement. Students must provide their own transportation to internship sites. Prerequisites: Education and Training and Teacher Approval Fee: $25
Teaching II - This course is open to students in grades ten through twelve who have successfully completed Education and Training and Teaching I. Students will explore instructional programs, lesson planning, assessment methods, public relations, professionalism, technology, and careers. Internship at the elementary or secondary school level is part of the laboratory requirement. Students must provide their own transportation to internship sites. Prerequisites: Teaching I and Teacher Approval. Fee: $25

Education and Training Internship - Education and Training Internship is a one credit Career Connections course for 11th and 12th grade students who are interested in pursuing careers in the education field. Students who have completed the Education Training, Teaching I, and Teaching II courses are eligible to enroll in this course. The school-based laboratory for the internship is an actual classroom that provides instruction in the subject matter areas related to the student’s interest. Internship at the elementary or secondary school level is part of the laboratory requirement. Students must provide their own transportation to internship sites. Prerequisites: Teaching II and Teacher Recommendation. Fee: $25

Senior Career Pathway Project-Education and Training - Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses. Fee: $25

FINANCE
MAKE MONEY WORK

☐ DO YOU GET GOOD MATH GRADES?
  ✓ TO SUCCEED IN ANY FINANCE-RELATED CAREER, YOU NEED TO UNDERSTAND AND ENJOY MATH.

☐ ARE YOU GOOD AT SOLVING PUZZLES?
  ✓ FINANCE PROFESSIONALS USE LOGIC AND CREATIVE THINKING TO ANALYZE DATA, FIND PATTERNS, AND CREATE PLANS.

☐ DO YOU LIKE WORKING WITH COMPUTERS?
  ✓ MOST FINANCE JOBS REQUIRE STRONG COMPUTER SKILLS, INCLUDING GRAPHS AND SPREADSHEETS.

☐ DO YOU HAVE A BANK ACCOUNT?
  ✓ EARNING, MANAGING, AND SAVING MONEY DURING HIGH SCHOOL HELPS BUILD THE BASIC SKILLS NEEDED IN FINANCE CAREERS.

☐ ARE YOU ORGANIZED AND RELIABLE?
  ✓ FINANCE PROFESSIONAL HAVE TO ORGANIZE, STORE, AND PROTECT CONFIDENTIAL FINANCIAL RECORDS AND OTHER IMPORTANT DATA.

IF YOU ANSWERED “YES” TO MOST OF THESE QUESTIONS, FINANCE COULD BE RIGHT FOR YOU.

FINANCE PROGRAM

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Course</td>
<td>Career Preparedness</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Business Technology Applications</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Accounting</td>
</tr>
<tr>
<td>4th Course</td>
<td>Business Finance or Personal Finance</td>
</tr>
<tr>
<td>5th Course</td>
<td>Work-based Learning/Cooperative Education (or other elective)</td>
</tr>
<tr>
<td>6th Course</td>
<td>Senior Career Pathway Project - Finance</td>
</tr>
</tbody>
</table>

Career Readiness Indicators
- ASK Institute – Concepts of Finance • ICI Global Standard 4 (or Higher) • Intuit Quickbooks Certified User • Microsoft Office – Excel Expert • Microsoft Office – Word Expert • Microsoft Office Specialist (MOS) (Two of the following areas REQUIRED) – Access, Excel, Outlook, PowerPoint, SharePoint, Word

Potential Workforce Careers
- Accountant • Chief Financial Officer • Financial Analyst • Fraud Specialist • Credit Analyst • Loan Officer • Account Representative • Bank Teller • Insurance Appraiser • Underwriter • Actuary • Securities/Investments Analyst • Stock Broker • Debt Counselor

Business Technology Applications (one credit OR one-half credit) - Business Technology Applications is designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications. Simulations and projects promoting teamwork, leadership, and workplace skills offer further opportunities for applications of knowledge and skills. Prerequisite: None. Fee: $25

Accounting - Accounting is for students in grades 10 through 12 designed to help students understand the basic principles of the accounting cycle. Accounting is valuable for students who have a variety of career objectives. This course provides an introduction to basic financial accounting, including analyzing and recording business transactions, preparing and interpreting financial statements, demonstrating generally accepted accounting principles, and performing banking and payroll activities. The course counts as a prerequisite for WBL-Cooperative Education. Prerequisite: None. Fee: $25

Accounting, Advanced - Advanced Accounting offers increased emphasis on accounting procedures using computer systems. It blends advanced accounting principles and procedures using accounting and spreadsheet software to analyze and interpret business applications. This computerized accounting course is intended to provide the student with entry-level skills in the accounting profession and/or to develop a foundation for post-secondary study. Prerequisite: Accounting. Fee: $25

Personal Finance (1/2 or 1 credit) – Personal Finance is a course designed to introduce students to the management of personal and family resources to achieve personal goals and financial literacy. Prerequisite: None. Fee: $25
Business Finance (1/2 or 1 credit) – Business Finance is a course designed to provide students with an overview of the principles of business finance. The curriculum focuses on economics, marketing, accounting procedures, and the global financial market. Specific content standards to be included in each of the courses are indicated in the course of study chart. Prerequisite: None  Fee: $29

Senior Career Pathway Project-Finance - Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses  Fee: $29

**GOVERNMENT AND PUBLIC ADMINISTRATION**

**GO PUBLIC**

☐ ARE YOU INTERESTED IN NEWS AND CURRENT EVENTS?
  ✓ ONE OF THE BEST WAYS TO PREPARE FOR A CAREER IN GOVERNMENT & PUBLIC ADMINISTRATION IS TO KEEP INFORMED ABOUT NEWS AND CURRENT EVENTS.

☐ DO YOU HAVE STRONG PUBLIC SPEAKING SKILLS?
  ✓ JOBS IN THIS CAREER CLUSTER OFTEN INVOLVE COMMUNICATING IN VARIOUS WAYS, SUCH AS LETTER WRITING AND SPEECH MAKING.

☐ DO YOU HAVE STRONG ORGANIZATIONAL AND TIME MANAGEMENT SKILLS?
  ✓ TO ENSURE QUALITY, ANY GOOD JOB CANDIDATE, NO MATTER THEIR CAREER PATH, MUST POSSESS STRONG ORGANIZATIONAL AND TIME MANAGEMENT SKILLS.

☐ DO YOU TAKE PART IN STUDENT GOVERNMENT ASSOCIATIONS AND CLUBS?
  ✓ STUDENT ORGANIZATIONS ARE A GREAT STEPPING-STONE TOWARD CAREERS IN GOVERNMENT & PUBLIC ADMINISTRATION.

☐ DO YOU ENJOY HELPING OTHERS?
  ✓ THE GOAL OF EVERY JOB IN GOVERNMENT & PUBLIC ADMINISTRATION IS TO HELP YOUR COMMUNITY.

IF YOU ANSWERED “YES” TO MOST OF THESE QUESTIONS, GOVERNMENT & PUBLIC ADMINISTRATION COULD BE RIGHT FOR YOU.

**JROTC PROGRAM**

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Course</td>
<td>Army JROTC Leadership Education and Training I (LET-I)</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Army JROTC Leadership Education and Training II (LET-II)</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Army JROTC Leadership Education and Training III (LET-III)</td>
</tr>
<tr>
<td>4th Course</td>
<td>Army JROTC Leadership Education and Training IV (LET-IV)</td>
</tr>
<tr>
<td>5th Course</td>
<td>Army JROTC Drill 1 (elective)</td>
</tr>
<tr>
<td>6th Course</td>
<td>Army JROTC Drill 2 (elective)</td>
</tr>
<tr>
<td>7th Course</td>
<td>Army JROTC Drill 3 (elective)</td>
</tr>
<tr>
<td>8th Course</td>
<td>Army JROTC Drill 4 (elective)</td>
</tr>
</tbody>
</table>

- Army JROTC Certificate
- All Careers

Career Readiness Indicators

Potential Workforce Careers

JROTC Leadership and Education Training (LET) I - The JROTC program provides students with learning experiences beneficial in any future career. Satisfactory completion of the program can lead to advanced placement credit in senior JROTC or advanced rank in the active Army, Army Reserve, or the National Guard. Topics of study include U.S. Military history, personal hygiene, leadership, human relations, staff functions and procedures, first aid, military map reading, techniques of oral communications, marksmanship, orienteering, drill and ceremony, and civil defense. Students in JROTC courses have opportunities to participate in a variety of extra-curricular activities that benefit the school, community, and individual. Uniforms are provided for students. Students that complete this course meet the requirement for LIFE. Prerequisite: None  Fee: None

JROTC Leadership Education and Training (LET) II - This subsequent JROTC course continues the learning and application of concepts and skills begun in JROTC Leadership and Education Training I. Students earn leadership positions based on their prior experiences. Prerequisite: JROTC LET I  Fee: None

JROTC Leadership Education and Training (LET) III - This subsequent JROTC course continues the learning and application of concepts and skills begun in JROTC Leadership and Education Training II. Students earn leadership positions based on their prior experiences. Prerequisite: JROTC LET II  Fee: None

JROTC Leadership Education and Training (LET) IV - This subsequent JROTC course continues the learning and application of concepts and skills begun in JROTC Leadership and Education Training III. Students earn leadership positions based on their prior experiences. Prerequisite: JROTC LET III  Fee: None

Army JROTC 2b - This course is designed to develop proficiency in health/wellness and CPR techniques, and an appreciation for self-awareness techniques (“Winning Colors”), modern technologies, career opportunities, and role of the U.S. Army, military history, and physical fitness. Prerequisite: None  Fee: None

Army JROTC 3b - This course develops an understanding of the justice system (military and civilian), the role of the U.S. Armed forces, safety (hunting and boating), orienteering, physical fitness, new technologies, military history, and motivational learning techniques such as “Power Learning.” Prerequisite: None  Fee: None
JROTC Leadership Application - This course provides students the opportunity to become proficient in the practical application of basic and advanced military skill through the development of individual leadership abilities, confidence, self-esteem, discipline, and teamwork. Content includes execution of military drill and ceremonies, physical training and leadership lab applications. Course is designed to give flexibility to cadets needing to take a required ½ credit course in another area of study and wanting to remain active in JROTC. Prerequisite: Previous JROTC Leadership and Education Training Course Fee: None

JROTC Drill and Rifle - JROTC Drill and Rifle Team members are selected from the JROTC program. Students practice and demonstrate precision drills and represent the school and program at various school and community events. Leadership, teamwork, and dedication are emphasized. Uniforms are provided. Prerequisites: JROTC and Teacher Recommendation Fee: None

Senior Career Pathway Project-Government and Public Administration - Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses Fee: $25

HEALTH SCIENCE
SAVE LIVES FOR A LIVING

☑ DO YOU ENJOY HELPING OTHERS?
✓ THERE ARE PLENTY OF INTERESTING JOBS AVAILABLE FOR CARING, PATIENT, AND HELPFUL PEOPLE IN NURSING, ATHLETIC TRAINING, REHABILITATION AND OTHER HEALTH-RELATED FIELDS.

☑ IS SCIENCE ONE OF YOUR FAVORITE SUBJECTS?
✓ TO SUCCEED IN ANY HEALTH-RELATED CAREER, YOU NEED TO UNDERSTAND AND ENJOY SCIENCE.

☑ DO YOU LIKE WORKING ON PROJECTS AS PART OF A TEAM?
✓ JOBS SUCH AS FINDING SOLUTIONS TO COMPLEX HEALTH PROBLEMS, CARING FOR PATIENTS, AND MANAGING HEALTH-CARE FACILITIES ALL REQUIRE TEAMWORK.

☑ DO YOU ENJOY DOING HANDS-ON EXPERIMENTS IN A LAB?
✓ TRAINING FOR ALL HEALTH-RELATED CAREERS INCLUDES LOTS OF LAB WORK, SO YOU NEED TO BE ABLE TO FOLLOW DIRECTIONS CAREFULLY AND TAKE ACCURATE MEASUREMENTS.

☑ ARE YOU INTERESTED IN HOW THE HUMAN BODY WORKS?
✓ EVERYTHING IN HEALTH SCIENCE IS RELATED TO THE HUMAN BODY IN SOME WAY.

IF YOU ANSWERED “YES” TO MOST OF THESE QUESTIONS, HEALTH SCIENCE COULD BE RIGHT FOR YOU.

HEALTH SCIENCE PROGRAM

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Course</td>
<td>Foundations of Health Science (required prerequisite)</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Human Body Structures and Functions (optional)</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Emergency Services (optional)</td>
</tr>
<tr>
<td>4th Course</td>
<td>Patient Care Technician (optional)</td>
</tr>
<tr>
<td>5th Course</td>
<td>Therapeutic Services</td>
</tr>
<tr>
<td>6th Course</td>
<td>Health Science Internship</td>
</tr>
</tbody>
</table>

Career Readiness Indicators
- BLS Instructor with Healthcare Provider
- Certified Billing and Coding Specialist (CBCS)
- Certified Patient Care Technician (CPTC)
- Certified Nursing Assistant (CNA)
- Certified Electronic Health Records Specialist (CEHRS)
- Certified Medical Administrative Assistant (CMAA)
- Certified EKG Technician (CET)
- Certified Pharmacy Technician (CPhT)
- National Emergency Medical Responder (EMR)
- National Emergency Medical Technician (EMT)
- Lifeguard Certification (American Lifeguard Association or American Red Cross)

Potential Workforce Careers
- Therapeutic Services
- Diagnostic Services
- Support Services
- Health Informatics
- Biotechnology Research and Development
- Athletic Trainer
- Audiolist
- Certified Nursing Assistant
- Dental Assistant
- Dental Hygienist
- Dentist
- Dietitian/Nutritionist
- Emergency Medical Technician
- Home Health Aide
- Licensed Practical Nurse
- Medical Assistant
- Pharmacist
- Pharmacy Technician
- Physical Therapist
- Physical Therapy Assistant
- Physician
- Physician Assistant
- Veterinarian
- Veterinary Technician
- Occupational Therapist

Biotechnology, Introduction to - 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 is one of the CTE courses that may be used to fulfill either the third and/or fourth credit in science or be used to fulfill one or more of the three credit requirements in CTE/Foreign Language/Arts Education category. The CTE substitutes for science may not be used to fulfill both a core course and a CTE course; however, it may be used to earn a completor status regardless of whether the course is used as a CTE course or as the third and/or fourth credit in science. Prerequisite: A Physical Science and Biology Fee: $25

Foundations of Health Science - Foundations of Health Science provides students with the content knowledge for all subsequent health science courses. The course focuses on integrated academics combined with healthcare knowledge and skills to provide the framework for a strong healthcare delivery system. Laboratory experiences assist students in gaining competencies necessary for employment or continued learning in the field. As a required component of this class, students will tour community healthcare related agencies and facilities. Students must provide their own transportation to off-campus agencies and facilities. This course may be taken simultaneously with the Core Human Body Structures and Functions course. The Foundations of Health Science is a substitute for the required health course; therefore, it may be used to fulfill the health graduation requirement. Prerequisites: Application and Selection Fee: $25
Human Body Structures and Functions - This is a course designed to help students develop a basic knowledge of the normal structure and function of the human body. The course uses an integrated approach for teaching medical terminology to the health care student by incorporating medical terminology into instruction regarding human body structures and functions and the disease process. This course may be taken simultaneously with the Foundations of Health Science course. This course is one of the CTE courses that may be used to fulfill either the third and/or fourth credit in science OR be used to fulfill one or more of the three credit requirements in CTE/Foreign Language/Arts Education category. The CTE substitutes for science may not be used to fulfill both a core course and a CTE course; however, it may be used to earn complete status regardless of whether the course is used as a CTE course or as the third and/or fourth credit in science. **NOTE:** Human Body Structures and Functions contains similar content to anatomy and physiology; therefore, a student who has already received a credit in anatomy and physiology may not receive a science credit for Human Body Structures and Functions. Prerequisite: A Physical Science, Biology and Foundations of Health Science

**Fee:** $25

Health Science Internship I (1 credit)/Therapeutic Services (1 credit) - Health Science Internship I and Therapeutic Services comprise a two-credit advanced course designed for students to gain knowledge and skills in a variety of areas including, but not limited to, nursing, medicine, therapy, dentistry, pharmacy, sports medicine, and other health-related careers. This course is 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 at the post-secondary level and a wide range of health career opportunities. This course is designed to be completed primarily in a community-based clinical setting with the healthcare professionals acting as supervisors and mentors. All students enrolled in Health Science Internship I and Therapeutic Services are required to participate in drug testing. Students must provide their own transportation, clinical uniforms, liability insurance and cost of drug testing. Prerequisite: Foundations of Health Science and Approval by Current Health Science Instructor

**Fee:** $50

Emergency Services – Emergency Services is a one-credit course that introduces students to the emergency medical profession. Course content emphasizes safety, human structure and function, assessment of emergency clients, ethical behavior, and emergency care procedures. Prerequisite: Foundations of Health Science

**Fee:** $25

Patient Care Technician – Patient Care Technician is a one credit course that provides students the opportunity to become effective and efficient multi-skilled healthcare providers. Students will develop a working knowledge of advanced patient care skills, vital signs, 12-lead EKG’s, oxygen therapy, basic phlebotomy via simulation, and specimen collection and processing. Essential workplace skills and safety will be emphasized, as well as, professional ethics and legal responsibilities. Students will ascertain employability skills and soft skills required by business and industry. Upon successful completion of required theory, lab, and simulation, students may be eligible to sit for Patient Care Technician Certification. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth. Prerequisite: Foundations of Health Science

**Fee:** $25

Senior Career Pathway Project-Health Science - Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses

**Fee:** $25

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**Hospitality and Tourism**

**Map Out Your Future**

- **Restaurant, Food, and Beverage Services Program**

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<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
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</thead>
<tbody>
<tr>
<td>1st Course</td>
<td>Hospitality and Tourism (required foundation course)</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Culinary</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Culinary I</td>
</tr>
<tr>
<td>4th Course</td>
<td>Senior Career Pathway Project – Hospitality and Tourism</td>
</tr>
</tbody>
</table>

**Career Readiness Indicators**

- ProStart National Certificate of Achievement – COA (must pass the final exam for Level 1 and Level 2 and complete 400 hours of mentored work experience and then apply for credential)  
- ServSafe Manager  
- Certified Guest Service Professional  

**Workforce Careers**

- Food/Beverage Service Manager  
- Technical Writer  
- Editor  
- Food Journalist/Stylist/Photographer  
- Executive/Sous Chef  
- Food Processing Worker  
- Baker  
- Butcher and Meat Cutter  
- Caterer  

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- **DO YOU LIKE WORKING WITH PEOPLE?**
  - In this cluster, you have to relate well to clients and coworkers.
- **CAN YOU MULTI-TASK AND HANDLE DEADLINES?**
  - Work can be fast-paced in hospitality & tourism.
- **ARE YOU INTERESTED IN PEOPLE FROM DIFFERENT BACKGROUNDS?**
  - This work can bring you into contact with people from across the country and around the world.
- **CAN YOU STUDY AND MASTER NEW SUBJECTS AND SKILLS?**
  - To get ahead you have to understand the industry.
- **CAN YOU WORK EXTRA HOURS AND WEEKENDS?**
  - Sometimes you have to go the extra mile to meet your clients’ needs.

If you answered "Yes" to most of these questions, hospitality & tourism could be right for you.
Hospitality and Tourism - Hospitality and Tourism is a course that serves as 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, restaurant and food beverage services, safety and sanitation, customer relations, and quality service. Prerequisite: None

Culinary Arts I - Students are introduced 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 preparations. Skills in mathematics, science, and communication are reinforced in this course. Prerequisite: Hospitality and Tourism

Culinary Arts II - Culinary Arts II provides advanced experience 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. Prerequisite: Culinary Arts I

Event Planning - This is a one credit course taught in grades 9-12. Students will learn to organize and plan all aspects of business and social events including the food, location, and décor associated with hiring an event planner. Students are prepared for various career opportunities in event planning. Prerequisite: Family and Consumer Sciences; Hospitality and Tourism (Recommended but not required)

Senior Career Pathway Project-Hospitality and Tourism - Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses

**LODGING PROGRAM**

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Course</td>
<td>Hospitality and Tourism (required foundation course)</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Lodging I</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Lodging II</td>
</tr>
<tr>
<td>4th Course</td>
<td>Senior Career Pathway Project – Lodging</td>
</tr>
</tbody>
</table>

**Career Readiness Indicators**

- Certified Hospitality and Tourism Professional (must pass the final exam for Year 1 and Year 2, complete 100 hours of work experience, and then apply for credential)
- Certified Guest Service Professional
- Certified Front Desk Representative
- ServSafe Manager

**Potential Workforce Careers**

- Lodging Manager
- Sales Manager
- Meeting and Convention Planner
- Gaming Surveillance Officer and Gaming Investigator
- Supervisor, Building and Grounds Cleaning and Maintenance Workers
- First-Line Supervisor/Manager of Housekeeping and Janitorial Workers
- Concierge
- Hotel, Motel, and Resort Desk Clerk
- Baggage Porter and Bellhop
- Parking Lot Attendant
- Maid and Housekeeping Cleaner

Hospitality and Tourism - Hospitality and Tourism is a course that serves as 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, restaurant and food beverage services, safety and sanitation, customer relations, and quality service. Prerequisite: None

Lodging I - This course is designed to prepare students to perform tasks related to the operation of lodging facilities and the care of guests who use these facilities, either through direct guest contact or the provision of background services that enhance guest experience. Prerequisite: Hospitality and Tourism

Lodging II - This course focuses on the application of basic principles of the hotel and lodging industry. Students develop skills in various functional areas of hotel operation, including front desk operations, guest registrations, housekeeping, convention sales, food and beverage services, and guest services. The prerequisite for this course is Lodging I. A school-based laboratory is required for this course. Prerequisite: Lodging I

Event Planning - This is a one credit course taught in grades 9-12. Students will learn to organize and plan all aspects of business and social events including the food, location, and décor associated with hiring an event planner. Students are prepared for various career opportunities in event planning. Prerequisite: Family and Consumer Sciences; Hospitality and Tourism (Recommended but not required)

Senior Career Pathway Project-Hospitality and Tourism - Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses
RECREATION, TRAVEL AND TOURISM PROGRAM

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Course</td>
<td>Hospitality and Tourism (required foundation course)</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Travel and Tourism I</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Travel and Tourism II</td>
</tr>
<tr>
<td>4th Course</td>
<td>Senior Career Pathway Project – Hospitality and Tourism</td>
</tr>
</tbody>
</table>

Career Readiness Indicators
- Certified Hospitality and Tourism Professional (must pass the final exam for Year 1 and Year 2, complete 100 hours of work experience, and then apply for credential)
- ServSafe Manager
- Certified Guest Service Professional

Potential Workforce Careers
- Event Planner
- Usher, Lobby Attendant, and Ticket Taker/Manager
- Amusement and Recreation Attendant/Planner
- Baggage Porter and Bellhop
- Concierge
- Tour Guide and Escort
- Recreation Worker
- Counter and Rental Clerk
- Travel Agent
- Reservation and Transportation Ticket Agent and Travel Clerk
- Aircraft Cargo Handling Supervisor
- Travel Journalist/Photographer

Hospitality and Tourism - Hospitality and Tourism is a course that serves as 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, restaurant and food beverage services, safety and sanitation, customer relations, and quality service. Prerequisite: None Fee: $25

Travel and Tourism I - This course focuses 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. Prerequisite: Hospitality and Tourism Fee: $25

Travel and Tourism II - This course is designed to provide knowledge and skill in understanding economics, marketing operations, admissions to events, safety and security precautions, and local and regional markets. Prerequisite: Travel and Tourism I Fee: $25

Event Planning - This is a one credit course taught in grades 9-12. Students will learn to organize and plan all aspects of business and social events including the food, location, and décor associated with hiring an event planner. Students are prepared for various career opportunities in event planning. Prerequisite: Family and Consumer Sciences; Hospitality and Tourism (Recommended but not required) Fee: $25

Senior Career Pathway Project-Hospitality and Tourism - Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses Fee: $25

HUMAN SERVICES
LEND A HELPING HAND

❖ DO YOU ENJOY HELPING OTHERS?
  ✓ THERE ARE PLENTY OF INTERESTING JOBS AVAILABLE IN THE HUMAN SERVICES CAREER CLUSTER, AND THEY ALL GIVE YOU A CHANCE TO HELP OTHERS.

❖ DO YOU HAVE STRONG PUBLIC SPEAKING SKILLS?
  ✓ JOBS IN HUMAN SERVICES OFTEN REQUIRE YOU TO SPEAK IN FRONT OF GROUPS, BOTH LARGE AND SMALL.

❖ DO YOU ENJOY WORKING ON GROUP PROJECTS IN SCHOOL?
  ✓ HUMAN SERVICES IS ALL ABOUT PERSONAL INTERACTION, YOU’LL NEED TO BE COMFORTABLE AND EXPERIENCED WORKING IN A GROUP.

❖ DO YOU THRIVE UNDER PRESSURE?
  ✓ HUMAN SERVICES JOBS TEND TO FORCE YOU TO THINK FAST ON YOUR FEET.

❖ WOULD YOU DESCRIBE YOURSELF AS “PATIENT” AND “COMPASSIONATE”?
  ✓ WHEN WORKING WITH PEOPLE, IT IS ESSENTIAL THAT YOU ACCEPT EACH INDIVIDUAL FOR WHO THEY ARE.

IF YOU ANSWERED “YES” TO MOST OF THESE QUESTIONS, HUMAN SERVICES COULD BE RIGHT FOR YOU.
### Food, Wellness, and Dietetics Program

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Course</td>
<td>Family and Consumer Sciences (foundation)</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Food and Nutrition (if offered, or another FACS elective)</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Event Planning (if offered, or another FACS elective)</td>
</tr>
<tr>
<td>4th Course</td>
<td>Sports Nutrition (if offered, or another FACS elective)</td>
</tr>
<tr>
<td>5th Course</td>
<td>Baking and Pastry Arts (if offered, or another FACS elective)</td>
</tr>
<tr>
<td>6th Course</td>
<td>Child Development (if offered, or another FACS elective)</td>
</tr>
<tr>
<td>7th Course</td>
<td>Senior Career Pathway Project – Human Services</td>
</tr>
</tbody>
</table>

#### Career Readiness Indicators
- ServSafe Manager
- ASK Institute – Concepts of Entrepreneurship and Management
- Certified Guest Service Professional
- Professional

#### Potential Workforce Careers
- Food Service Manager
- Chemical Engineer
- Food Scientist and Technologist
- Biochemist and Biophysicist
- Microbiologist
- Chemist
- Dietitian and Nutritionist
- Editor
- Technical Writer
- Sports Nutritionist
- Food Journalist/Stylist/Photographer

### Family and Consumer Sciences
This is a comprehensive course that serves as the foundational course in Family and Consumer Science Education. Students explore family, food, clothing, housing, financial, and consumer needs. Additional concepts of study include goal setting, etiquette, table setting, marriage readiness, parenting issues, balancing work and family, decision-making, technology, and career options related to family life. Prerequisite: None  Fee: $25

### Chemistry of Food
Chemistry of Food is a specialized area of study that provides an in-depth study of the application of science principles to scientific investigation of the production, processing, preparation, evaluation, and utilization of food. Students apply the scientific method to study scientific concepts and theories in the context of nutrition and foods while achieving academic standards and competencies in the area of chemistry, biochemistry, biology, and some physics at the analysis, synthesis, and evaluations level. Students develop critical-reasoning and mathematics 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 is one of the CTE courses that may be used to fulfill either the third and/or fourth credit in science OR be used to fulfill one or more of the three credit requirements in CTE/Foreign Language/Arts Education category. The CTE substitutes for science may not be used to fulfill both a core course and a CTE course; however, they may be used to earn completer status regardless of whether the course is used as a CTE course or as the third and/or fourth credit in science. **NOTE:** Chemistry of Food contains similar content to chemistry; therefore, a student who has already received a credit in chemistry may not receive a science credit for Chemistry of Food. Prerequisites: A Physical Science, Biology and Family and Consumer Sciences  Fee: $25

### Dietetics
Dietetics is a course that provides students with advanced knowledge and skills used in nutrition and dietetics. Major topics include nutrition, meal planning, safety, food science, and professional behavior. Prerequisite: Family and Consumer Sciences  Fee: $25

### Food and Nutrition (one credit OR one-half credit)
Food and Nutrition, formerly Food Dynamics, is a course for the study of food, nutrition, and wellness. Students will practice planning, preparing, and servings meals. They will also plan and prepare special occasion foods and cuisines from around the world. Other topics will include the food supply, nutrition, technology, and careers. Prerequisite: Family and Consumer Science  Fee: $25

### Food Innovations and Media
This is a one credit course designed for students to learn how to express their creativity through foods. This course promotes critical thinking and decision making and develops food preparation, and communication and technology skills. Concepts such as the differences between images for marketing/advertising/public relations and consumer use: the differences between food for print and motion, e.g., web, video, TV, elements of styling; hyper-realism versus real-life; elements of photography: lighting, depth of field, angles; using and applying social media and digital design techniques; journalism skills; and trends in the food industry are included in the course. Prerequisite: Family and Consumer Sciences  Fee: $25

### Event Planning
This is a one credit course taught in grades 9-12. Students will learn to organize and plan all aspects of business and social events including the food, location, and decor associated with hiring an event planner. Students are prepared for various career opportunities in event planning. Prerequisite: Family and Consumer Sciences; Hospitality and Tourism (Recommended but not required)  Fee: $25

### Sports Nutrition
This course examines the relationship between nutrition, physical performance, and overall wellness. Students will learn how to choose nutritious foods for healthy lifestyles and peak performance. Health and disease prevention through nutrition, physical activity and wellness practices are essential components of this course. This course emphasizes the metabolic process and management of food choices for optimal health and physical performance. Prerequisite: Family and Consumer Sciences  Fee: $25

### Entrepreneurship in Family and Consumer Sciences
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. Prerequisite: Family and Consumer Sciences  Fee: $25

### Senior Career Pathway Project-Human Services, FACS
Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses  Fee: $25
 EARLY CHILDHOOD DEVELOPMENT and SERVICES PROGRAM

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
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<tbody>
<tr>
<td>1st Course</td>
<td>Family and Consumer Sciences (required prerequisite)</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Child Services I</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Child Services II</td>
</tr>
<tr>
<td>4th Course</td>
<td>Senior Career Pathway Project – Human Services</td>
</tr>
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Career Readiness Indicators
- ServSafe Manager • ASK Institute –Concepts of Entrepreneurship and Management
- Education Administrator, Preschool and Child Care Center/Program • Instructional Coordinator • Child, Family, and School Social Worker • Teacher Assistant • Editor • Writer and Author • Children’s Book Illustrator/Photographer • Child Care Worker • School Bus Driver • Child Psychologist

Workforce Careers
- Wholesale and Retail Buyer • Fashion Designer • Merchandise Displayer and Window Trimmer • Editor • Technical Writer • Supervisor, Sales or Production Worker • Retail Salesperson • Laundry and Dry-Cleaning Worker • Custom Tailor and Seamstress • Fashion Stylist/Journalist/Photographer • Ecommerce Entrepreneur

Family and Consumer Sciences - This is a comprehensive course that serves as the foundational course in Family and Consumer Science Education. Students explore family, food, clothing, housing, financial, and consumer needs. Additional concepts of study include goal setting, etiquette, table setting, marriage readiness, parenting issues, balancing work and family, decision-making, technology, and career options related to family life. Prerequisite: None Fee: $25

Child Development (one credit OR one-half credit) - This Career Connections course is designed to summarize the benefits of child development. This study includes learning about the physical, emotional, social, and intellectual developmental needs of children from infancy through adolescence. Students will explore related career opportunities. The required school-based laboratory is an early childhood education facility. Students must provide their own transportation. Prerequisite: Family and Consumer Science Fee: $25

Child Services I - This course is open to students in grades 10 through 12. The course provides knowledge in growth and development and ways to provide services to children. Major topics include developmental theories; types of child services; career options; professionalism and ethics; and national, state, and local agencies that support children. Observational experiences are encouraged in this course. Prerequisite: Family and Consumer Science Fee: $25

Child Services II - This course is open to students in grades 10 through 12 that have successfully completed Child Services I. It provides students with knowledge in management of child service facilities. Major topics include guidance techniques; curriculum development; first aid; development of policies and procedures; facility design; role of director and staff; regulations and licensure requirements; career opportunities. Prerequisite: Child Services I Fee: $25

Senior Career Pathway Project-Human Services - Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses Fee: $25

FASHION PROGRAM

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<tbody>
<tr>
<td>1st Course</td>
<td>Family and Consumer Sciences (required prerequisite)</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Fashion</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Fashion Design</td>
</tr>
<tr>
<td>4th Course</td>
<td>Senior Career Pathway Project – Human Services</td>
</tr>
</tbody>
</table>

Career Readiness Indicators
- National Retail Federation – National Professional Certification in Customer Service and Sales • ASK Institute –Concepts of Entrepreneurship and Management • ServSafe Manager

Workforce Careers
- Wholesale and Retail Buyer • Fashion Designer • Merchandise Displayer and Window Trimmer • Editor • Technical Writer • Supervisor, Sales or Production Worker • Retail Salesperson • Laundry and Dry-Cleaning Worker • Custom Tailor and Seamstress • Fashion Stylist/Journalist/Photographer • Ecommerce Entrepreneur

Family and Consumer Sciences - This is a comprehensive course that serves as the foundational course in Family and Consumer Science Education. Students explore family, food, clothing, housing, financial, and consumer needs. Additional concepts of study include goal setting, etiquette, table setting, marriage readiness, parenting issues, balancing work and family, decision-making, technology, and career options related to family life. Prerequisite: None Fee: $25

Fashion (one credit OR one-half credit) - Fashion is a course in Family and Consumer Science Education. Students will explore clothing decisions and acquisition; apparel history; clothing care and construction; and technology and careers. A school-based fashion sewing laboratory is required for this course. Prerequisite: Family and Consumer Science Fee: $25

Fashion Design - Fashion Design is a course for students interested in fashion, fashion design, and apparel and textile design technology. Content provides opportunities for students to explore historic costumes, research current fashion styles and trends, analyze fibers and textiles, design clothing and accessories, utilize technology in fashion design, and explore career options in apparel and textile industries. Prerequisite: Family and Consumer Science Fee: $25

Fashion Merchandising - Fashion Merchandising is a course for students who are interested in the fashion and retail industry. Content provides opportunities for students to explore factors related to the retail industry, examine structure and organization of fashion business operations, study merchandising techniques, utilize technology in fashion merchandising, and explore career options in fashion and retail industries. Prerequisite: Family and Consumer Science Fee: $25
COSMETOLOGY/BARBERING PROGRAM

Introduction to Cosmetology - This is a comprehensive course that serves as the foundational course in the Cosmetology Program. This course provides students with a study of concepts related to the cosmetology profession. Specific topics include cosmetology history and opportunities, professional image, infection control, basic fundamentals, and principles of hair design. Students also gain initial practical experiences in sanitation, shampooing, hair shaping, and hairstyling. Upon successful completion of this course, students are able to practice safety and sanitation precautions as they perform basic cosmetology procedures. Due to facility limitations, this course is taught only at Holt High School for students enrolled at Brookwood High School, Holt High School, and Tuscaloosa County High School.

Prerequisites: Application and Instructor Approval
Fee: $70 ($25 fee and $45 Cosmetology Kit (1 manikin, 4 brushes, 12 combs, and 12 hair clips))

Salon Practices and Management - This course enables students to develop entry-level management skills for the cosmetology industry. Students will 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. Due to facility limitations, this course is taught only at Holt High School for students enrolled at Brookwood High School, Holt High School, and Tuscaloosa County High School.

Prerequisites: Intro to Cosmetology and Instructor Approval
Fee: Varies - Either $70 ($25 fee and $45 Cosmetology Kit (1 manikin, 4 brushes, 12 combs, and 12 hair clips)) OR $55 ($25 fee and $30 manikin)

Chemical Services - This course focuses on the theory of chemical services related to chemical hair texturing. Specific topics include basicst 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. Chemical Services must be taken with Hair Coloring. Due to facility limitations, this course is taught only at Holt High School for students enrolled at Brookwood High School, Holt High School, and Tuscaloosa County High School.

Prerequisites: Introduction to Cosmetology and Instructor Approval
Fee: Varies - Either $70 ($25 fee and $45 Cosmetology Kit (1 manikin, 4 brushes, 12 combs, and 12 hair clips)) OR $55 ($25 fee and $30 manikin)

Hair Coloring - This course provides students with study and experience in hair coloring and lightening. Emphasis is placed on color application, laws, levels and classification 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. Hair Coloring must be taken with Chemical Services. Due to facility limitations, this course is taught only at Holt High School for students enrolled at Brookwood High School, Holt High School, and Tuscaloosa County High School.

Prerequisites: Introduction to Cosmetology and Instructor Approval
Fee: Varies - Either $70 ($25 fee and $45 Cosmetology Kit (1 manikin, 4 brushes, 12 combs, and 12 hair clips)) OR $55 ($25 fee and $30 manikin)

Introduction to Barbering - Introduction to Barbering is a one-credit course that provides students with a study of concepts related to the Barbering profession. Specific topics include Barbering history and career opportunities, professional image, infection control, and basic fundamentals and principles of hair care and 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 Barbering procedures. Introduction to Barbering is the prerequisite to Chemical Services, Hair Coloring, Salon Practices and Management, and State Board Practicum. 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. Prerequisite: Application and Instructor Approval
Fee: $25

Senior Career Pathway Project-Human Services - Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses
Fee: $25
INFORMATION TECHNOLOGY
WIRE THE WORLD

 ARE YOU GOOD AT MATH?
✓ MATHEMATICS IS THE BASIS FOR THE WAY COMPUTERS WORK.

 DO YOU LIKE TO TAKE THINGS APART AND PUT THEM BACK TOGETHER?
✓ IT JOBS REQUIRED TOP-NOTCH ENGINEERING SKILLS, INCLUDING A KNACK FOR FIGURING OUT WHAT MAKES THINGS TICK.

 CAN YOU EXPLAIN COMPUTERS TO PEOPLE WHO HAVE LIMITED EXPERIENCE WITH THEM?
✓ IT JOBS ARE PROJECT-BASED, SO YOU NEED TO BE ABLE TO COMMUNICATE AND WORK WELL WITH OTHERS.

 ARE YOU INTERESTED IN THE WAY BUSINESSES WORK?
✓ MANY IT PROJECTS INVOLVE AUTOMATING BUSINESS OPERATIONS.

 ARE YOU DETAIL ORIENTED?
✓ IN IT, SMALL MISTAKES CAN CRASH LARGE SYSTEMS.

IF YOU ANSWERED “YES” TO MOST OF THESE QUESTIONS, INFORMATION TECHNOLOGY COULD BE RIGHT FOR YOU.

PROGRAMMING AND SOFTWARE DEVELOPMENT PROGRAM

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Course</td>
<td>Computer Programming Basic (1.5 credit)</td>
</tr>
<tr>
<td>2nd Course</td>
<td>Information Technology Fundamentals</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Software Development</td>
</tr>
<tr>
<td>4th Course</td>
<td>AP Computer Science Principles (Prereq: Algebra II with Trig)</td>
</tr>
<tr>
<td>5th Course</td>
<td>AP Computer Science A (Prereq: Software Devel. OR AP CSP)</td>
</tr>
<tr>
<td>6th Course</td>
<td>Senior Career Pathway Project: Programming and Software Devel.</td>
</tr>
</tbody>
</table>

Career Readiness Indicators
- Certified Internet Web (CIW): Javascript Specialist
- Microsoft Technology Associate (MTA): HTML5 Application Development
- Microsoft Technology Associate (MTA): Software Development Fundamentals
- Microsoft Technology Associate (MTA): Software Testing Fundamentals
- Oracle Certified Associate (OCA): Java Programmer

Potential Workforce Careers
- Software Engineer
- Applications Software Developer
- Game Developer
- Computer Engineer
- Programmer Analyst
- Project Manager
- Programmer Analyst
- Project Lead Specialist
- Administrator Test Engineer
- System Administrator
- Computer Science Teacher
- Information Security Analyst

Computer Programming Basic I (one-half credit) - This course is designed to introduce students to the C++ programming language, structured elements of mathematical ideas, while also learning to think creatively, reason systematically, and work collaboratively. Projects created can be shared online and installed on Android phones. Prerequisite: Career Preparedness Fee: $25

Information Technology Fundamentals - This course is designed to provide students with skills involving the design, installation, maintenance, and operation of computer systems. Activities and topics of study include personal and business computer hardware, software, troubleshooting, repair, and installation. Wired and wireless network configuration, peripheral devices, operating systems, information technology careers, and technology ethics issues are content standards for this course. Students receive both classroom instruction and hands-on laboratory experiences. Upon successful completion of this course, students should be able to maintain, upgrade, and configure PC systems. Prerequisite: Career Preparedness Fee: $25

Computer Science Discoveries - A one-credit course designed to provide students with an introduction to the C++ programming language, structured elements of C++, classes, data, abstractions, inheritance, polymorphism, storage management, and a C++ programming environment. It is recommended that Information Technology Fundamentals be taken prior to this course. NOTE: The teacher of this course must hold C++ and/or JAVA credentialing. Prerequisite: Information Technology Fundamentals recommended Fee: $25

Software Development - A one-credit course designed to provide students with an introduction to the C++ programming language, structured elements of C++, classes, data, abstractions, inheritance, polymorphism, storage management, and a C++ programming environment. It is recommended that Information Technology Fundamentals be taken prior to this course. NOTE: The teacher of this course must hold C++ and/or JAVA credentialing. Prerequisite: Information Technology Fundamentals recommended Fee: $25

Computer Science Principles, Advanced Placement** - This course is designed to introduce students to the central ideas of professional-level computing and the primary principles of computer science. It 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 the 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. This course introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. This course is one of the CTE courses that may be used to fulfill the fourth credit in math. OR be used to fulfill one or more of the three credit requirements in CTE/Foreign Language/Arts Education category. The CTE substitutes for math may not be used to fulfill both a core course and a CTE course; however, they may be used to earn completers status regardless of whether the course is used as a CTE course or as the fourth credit in math. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board’s AP exam for weighted credit. Prerequisite/Corequisite: Course(s) fulfilling Algebra II with Trig Requirement Fee: $25 plus AP exam fee

Computer Science A, Advanced Placement** - A one-credit college-level course following the curriculum established by the College Board Advanced Placement Program for computer science, emphasizes object-oriented programming methodology with a concentration on problem-solving and algorithm development. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board’s AP exam for weighted credit. Prerequisite: Information Technology Fundamentals, AP Computer Science Principles, or Software Development Fee: $25 plus AP exam fee
Senior Career Pathway Project - Programming and Software Development - Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career Tech Courses

MANUFACTURING
MAKE IT TO THE TOP

☐ DO YOU ENJOY WORKING WITH OTHERS?
✓ THERE ARE PLENTY OF INTERESTING JOBS IN THE FIELD OF MANUFACTURING, AND THEY ALL REQUIRE TEAMWORK.

☐ DO YOUR FAVORITE SUBJECTS INCLUDE SCIENCE AND MATH?
✓ TO SUCCEED IN MANUFACTURING, YOU NEED TO UNDERSTAND AND ENJOY MATH AND SCIENCE.

☐ ARE YOU UP FOR A CHALLENGE?
✓ MANUFACTURING OPERATIONS ARE OFTEN COMPLEX. SUCCESS IN THE FIELD REQUIRES WORKERS TO CONSTANTLY STRIVE TO TAKE THEIR SKILLS TO THE NEXT LEVEL.

☐ DO YOU LIKE WORKING WITH COMPUTERS?
✓ MANUFACTURING MACHINERY IS BECOMING MORE AND MORE COMPUTERIZED.

☐ DO YOU ENJOY PROBLEM SOLVING?
✓ THE ESSENCE OF MANUFACTURING IS PROBLEM SOLVING.

IF YOU ANSWERED “YES” TO MOST OF THESE QUESTIONS, MANUFACTURING COULD BE RIGHT FOR YOU.

MODERN MANUFACTURING PROGRAM

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Recommended Pathway Courses</th>
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<tbody>
<tr>
<td>1st and 2nd Courses</td>
<td>Workforce Essentials (incl. NCCER Core) and Manufacturing 2</td>
</tr>
<tr>
<td>3rd and 4th Courses</td>
<td>Manufacturing 3 and CTE Lab in Manufacturing</td>
</tr>
<tr>
<td>5th Course</td>
<td>Senior Career Pathway Project – Manufacturing OR Ready to Work</td>
</tr>
</tbody>
</table>

Career Readiness Indicators
- NCCER Core
- MSSC Certified Production Technician
- Manufacturing Operations Technician
- Manufacturing Operations Manager
- Machine Operator
- Materials Handler
- Process Operator
- Team Manager

Workforce Essentials - Successful completion of this course will make a student eligible for two-thirds of the Modern Manufacturing job openings in West Alabama (Workforce Development Region 3). This course is designed to provide students with the knowledge and skills to become employed in full-time entry-level job openings in West Alabama. Workforce Essentials is a one-credit course that provides students with higher-level academic and occupational skills that are transferable across jobs and occupational areas. Emphasis is placed on academic foundations for careers, applied technology, career development and employment, entrepreneurship and business economics, social and ethical responsibility, leadership and teamwork, safety and health, and technical knowledge and skills. Students build on prior knowledge, strengths, interests, and needs that enhance preparation for future employment and continuing education and training. Prerequisite: None

Fee: $25

Manufacturing 2 - This is the second of 3 required one-credit courses in the Manufacturing Technologies Pathway. It is designed to address many core requirements for MSSC credentialing and to provide students with fundamental knowledge and skills emphasizing quality practices and measurement common to the manufacturing industry. Students explore concepts of manufacturing processes and production. This course prepares students for MSSC Technician assessment and credentialing. Prerequisite: Workforce Essentials

Fee: $25

Manufacturing 3 - This is the third of 3 required one-credit courses in the Manufacturing Technologies Pathway. It is designed to address many core requirements for MSSC credentialing and to provide students with fundamental knowledge and skills emphasizing measurement and practice common to the manufacturing systems. This course helps prepare students for MSSC Technician assessment and credentialing. Prerequisite: Manufacturing 2

Fee: $25

CTE Lab in Manufacturing — CTE Lab in Manufacturing is an extended laboratory experience to address the advancement and specialization of careers within manufacturing 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. Prerequisite: Workforce Essentials and Manufacturing 2

Fee: $25

Senior Career Pathway Project - Manufacturing - 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. Prerequisite: CTE Lab in Manufacturing

Fee: $25
**MARKETING, SALES AND SERVICE**

**MARKET YOURSELF**

- **DO YOU ENJOY ART, WRITING, OR PUBLIC SPEAKING?**
  - Marketing, Sales & Service jobs require employees to combine their creative strengths with strong communication skills.
- **ARE YOU GOOD AT CONVINCING YOUR FRIENDS TO FOLLOW YOUR LEAD?**
  - Sales is all about earning your clients’ trust.
- **ARE YOU FRIENDLY AND OUTGOING?**
  - The ability to work well with others is vital to customer realities – a key element of careers in this cluster.
- **DO YOU ENJOY SPEAKING TO GROUPS OF PEOPLE?**
  - The Marketing, Sales & Service career cluster will put your public speaking skills to the test.
- **DO YOU HAVE STRONG ORGANIZATIONAL AND TIME MANAGEMENT SKILLS?**
  - To meet client expectations, you must be well organized.

If you answered “yes” to most of these questions, marketing, sales & service could be right for you.

**MARKETING, SALES and SERVICE PROGRAM**

<table>
<thead>
<tr>
<th>Sequence</th>
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<tbody>
<tr>
<td>1st Course</td>
<td>Career Preparedness</td>
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<tr>
<td>2nd Course</td>
<td>Marketing Principles (foundation)</td>
</tr>
<tr>
<td>3rd Course</td>
<td>Law in Society (1/2 credit)/Management Principles (1/2 credit)</td>
</tr>
<tr>
<td>4th Course</td>
<td>Business Essentials</td>
</tr>
<tr>
<td>5th Course</td>
<td>Workforce Essentials (or other elective)</td>
</tr>
<tr>
<td>6th Course</td>
<td>Work-based Learning/Cooperative Education (or other elective)</td>
</tr>
</tbody>
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**Career Readiness Indicators**

- Adobe Certified Associate (ACA) – Photoshop
- Adobe Certified Associate (ACA) – Dreamweaver
- Adobe Certified Associate (ACA) – Flash
- Adobe Certified Associate (ACA) – Premiere Pro
- Adobe Certified Associate (ACA) – InDesign
- Adobe Certified Associate (ACA) – Illustrator
- ASK Institute – Concepts of Entrepreneurship an Management
- IC3 Global Standard 4 (or higher)
- Certified Guest Service Professional
- Microsoft Office – Excel Expert
- Microsoft Office – Word Expert
- Microsoft Office Specialist (MOS) (Two of the following areas REQUIRED) – Access, Excel, Outlook, PowerPoint, SharePoint, Word
- National Retail Federation – National Professional Certification in Customer Service and Sales

**Potential Workforce Careers**

- Chief Executive Officer
- Marketing Research Analyst
- Public Relations Manager
- Entrepreneur
- Franchisee
- Advertising and Promotions Manager
- Store Manager
- Retail Marketing Coordinator
- Merchandising Manager
- Merchandise Buyer
- Visual Merchandise Manager
- Sales Manager
- Research Associate
- Sports Marketing Manager
- Social Media Manager

**Business Technology Applications (one credit OR one-half credit)**

- Business Technology Applications is designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications. Simulations and projects promoting teamwork, leadership, and workplace skills offer further opportunities for applications of knowledge and skills.

**Business Essentials**

- Business Essentials is designed to introduce students to commerce and information technology. Students learn about different types of business ownership and engage in leadership, entrepreneurship, ethics, business management and finance, safety, and communication and interpersonal skill activities.

**Marketing Principles**

- Marketing Principles is designed to provide students with an overview of marketing concepts. Students develop a foundational knowledge of marketing and its functions, including marketing information management, pricing, product and service management, entrepreneurship, and promotion and selling. Students examine the need for sales and marketing strategies. Students practice customer relationships skills, ethics, technology applications, and communicating in the workplace.

**Senior Career Pathway Project-Marketing**

- Senior Career Pathway Project is a 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. Teacher approval is required.

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**Fee: $25**
TRANSPORTATION, DISTRIBUTION AND LOGISTICS
GET ON THE FAST TRACK

- ARE YOU A NASCAR, BOATING OR BMX FAN?
  ✓ AN INTEREST IN AND PASSION FOR AUTOMOTIVE AND OFF-ROAD SPORTS IS OFTEN A SOUND BASIS FOR A CAREER IN TRANSPORTATION, DISTRIBUTION & LOGISTICS.

- ARE YOU STRONG AND COORDINATED?
  ✓ SOME OF THE JOBS IN THIS CLUSTER ARE PHYSICALLY INTENSE AND ARE OFTEN BEST PERFORMED BY JOB CANDIDATES WHO POSSESS GREAT PHYSICAL STRENGTH AND COORDINATION.

- DO YOU LIKE TO TRAVEL?
  ✓ JOBS IN THE TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER CAN TAKE YOU ALL OVER THE GLOBE.

- DO YOU HAVE STRONG MATH, SCIENCE AND COMPUTER SKILLS?
  ✓ MATH, SCIENCE AND COMPUTERS HAVE HELPED TO PAINT THE LANDSCAPE IN WHICH THE JOBS IN THIS CAREER CLUSTER ARE PERFORMED.

- ARE YOU GOOD AT OPERATING TOOLS AND MACHINERY?
  ✓ IT REQUIRES A PRECISE SET OF SKILLS TO OPERATE THE MACHINERY THAT MAKES THE JOBS IN THIS CAREER CLUSTER POSSIBLE.

IF YOU ANSWERED “YES” TO MOST OF THESE QUESTIONS, TRANSPORTATION, DISTRIBUTION & LOGISTICS COULD BE RIGHT FOR YOU.

AUTOMOTIVE SERVICES PROGRAM

Transportation, Distribution and Logistics - This course is designed to equip students with basic knowledge of the profession including foundational skills and safety for personal and environmental practices. Students investigate various topics related to this field with emphasis on rules and regulations, ethics, job opportunities, career development and associated terminology. Students enhance communication skills by working with others on a professionally oriented team.
Prerequisite: None
Fee: $25

Maintenance and Light Repair B – Suspension/Steering and Brakes - This course provides students with foundational knowledge and skills regarding Safety, Suspension and Steering, and Brake Systems. Strong emphasis is placed on system and component operations. Upon successful completion of the course, students are able to diagnose and repair safety, suspension, steering and brake related systems.
Prerequisite: None
Fee: $25

Maintenance and Light Repair C – Electrical, Electronics and Brakes - This course provides students with foundational knowledge and skills regarding Safety, Electrical/Electronic, and Brake Systems. Strong emphasis is placed on system and component operation. Upon successful completion of the course, students are able to diagnose and safely repair, electrical, electronics, and brake-related systems.
Prerequisite: Maintenance and Light Repair B
Fee: $25

Maintenance and Light Repair D – Electrical/Electronics, Engine Performance, and Heating/Air Conditioning - This course is designed to provide students with foundational knowledge and skills relative to safety, engine performance, electrical/electronic systems, and heating and air conditioning systems. Strong emphasis is placed on system and component operation. Upon successful completion of the course, students are able to diagnose and safely repair engine, electrical, electronic, and heating and air conditioning systems.
Prerequisite: Maintenance and Light Repair C
Fee: $25

Maintenance and Light Repair A – Engine Repair, Automatic Transmission, and Manual Drive Trains - This course is designed to provide students with foundational knowledge and skills relative to safety, engine repair, automatic transmissions, and manual drive trains.
Prerequisite: Maintenance and Light Repair D
Fee: $25

Senior Career Pathway Project-Transportation, Distribution and Logistics - Senior Career Pathway Project is a 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. Teacher approval is required.
Prerequisite: Successful Completion of Two Career/Tech Courses
Fee: $25
Transportation, Distribution and Logistics - This course is designed to equip students with basic knowledge of the profession including foundational skills and safety for personal and environmental practices. Students investigate various topics related to this field with emphasis on rules and regulations, ethics, job opportunities, career development and associated terminology. Students enhance communication skills by working with others on a professionally oriented team. Due to facility limitations, this course is taught only at Brookwood Career Technical Education Center/Brookwood High School. Instruction will be on site at Brookwood Career Technical Education Center/Brookwood High School. Prerequisite: None  Fee: $25

Introduction to Logistics - This course engages students in solving contextual problems related to the concepts of supply chains, warehouse location, contingency planning, insourcing and outsourcing, and expanding existing supply chains. These concepts form the basis of global logistics and supply chain management and help students understand how professionals examine options to maximize the use of resources across distribution networks. Prerequisite: None  Fee: $25

Functional Areas in Logistics - This course compels students to explore deeper understandings of the concepts they discovered in the previous course as they navigate projects on warehouse design, inventory management, transportation optimization, information technology, emergency responsiveness and the supply chain for manufacturing. Students use their experiences in this course to discover ways that professionals minimize the outlay of resources while improving efficiency and ability in the global market. Prerequisite: Introduction to Logistics Fee: $25

Global Logistics Management - This advanced course offers challenging projects that require students to look at the global implications of the industry in more earnest as they experiment with decisions over intermodal transportation, route selection, international shipping regulations, emergency preparedness, cultural awareness, business ethics and international trade restrictions related to a distribution strategy. Students develop their understanding of the industry in this course and truly build their awareness of the challenges of doing business in a world with multiple borders that must be traversed. Prerequisite: Functional Areas in Logistics Fee: $25

Logistics and Supply Chain Management - This advanced course allows students to see the implications of all the concepts they learned in the previous three courses as they consider environmental impact, selecting business partners in a global and domestic chain, information technology and decisions regarding e-commerce. Students explore the ongoing need to balance dependability and resource outlay in meeting customer demands around the world. Projects will expand students' decision-making skills as they tackle issues related to transportation, distribution networks and manufacturing. Prerequisite: Functional Areas in Logistics Fee: $25

Senior Career Pathway Project- Transportation, Distribution and Logistics - Senior Career Pathway Project is a 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. Teacher approval is required. Prerequisite: Successful Completion of Two Career/Tech Courses Fee: $25
ACADEMIC ELECTIVES AND OTHER ELECTIVES

AAS: Community Based Instruction (9, 10, 11, 12) - This course is for students in grades 9-12 enrolled in a community-based instruction course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards. Course objectives emphasize learning beyond the classroom through community integration. Prerequisite: None Fee: None

AAS: Elective (9, 10, 11, 12) - This course is for students in grades 9-12 enrolled in an elective course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards. Course objectives are contained within a broad framework in which individualized academic and transition needs of the student are addressed. This course may be used to fulfill the health requirement using alternate achievement standards. Prerequisite: None Fee: None

AAS: Life Skills – (9, 10, 11, 12) - This course is for students in grade 10 who are enrolled in a life skills course course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards. Course objectives emphasize increasing independence and self-determination skills. Prerequisite: None Fee: None

AAS: Pre-Vocational (9, 10, 11, 12) - This course is for students in grades 9-12 enrolled in a pre-vocational course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards. Course objectives emphasize job exploration and pre-employment readiness instruction. Prerequisite: None Fee: None

AAS: Vocational (9, 10, 11, 12) - This course is for students enrolled in grades 9-12 in a vocational course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards. Course objectives emphasize increasing job readiness and employability skills. Prerequisite: None Fee: None

ACT/College Preparation (one-half credit) - This course is designed to improve student competence in areas tested on standardized college entrance examinations such as the ACT. College bound students who have completed or are currently enrolled in Algebra II or Algebra II with Trig will benefit most from participation in test preparation activities. Students will explore college admissions and requirements, explore careers, prepare academic resumes, and research scholarship programs. Prerequisite: None Fee: $25

Bible as Literature - As a foundational course for upper-level literary analysis, Reading the Bible as Literature is a class that examines the archetypes and literary focus of the Biblical narrative. With a literary, not a theological, focus, this class will attempt to equip students to analyze works of the Western Canon, which allude to the Bible more than any other text. No prior biblical background is required to take this class. This course may not be used to fulfill core course requirements. Prerequisite: None Fee: None

African-American Literature (one credit OR one-half credit) - In this elective course, oral and written projects, environment activities, and guest speakers are used to explore black literature and history from the mid-19th century to present. Students explore the African literary traditions of folk tales and epics. Skills in reading and interpreting literature are enhanced through presentations, speeches, discussion, poems, essays, short stories, plays and novels. This course may not be used to fulfill core course requirements. Prerequisite: None Fee: None

Comparative Government and Politics, Advanced Placement** (one-half credit OR one credit) - Advanced Placement (AP) Comparative Government and Politics is a college-level course that follows the guidelines of The College Board. This course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global and economic changes. Comparison assists both in identifying problems and in analyzing policymaking. In addition to covering the major concepts that are used to organize and interpret what is known about political phenomena and relationships, the course covers specific countries and their governments. Six countries form the core of the AP Comparative Government and Politics course: China, Great Britain, Iran, Mexico, Nigeria, and Russia. By using these six countries, the course moves the discussion of concepts from abstract definition to concrete example, noting that not all concepts will be equally useful in all country settings. Students are required to pay the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board’s AP exam for weighted credit. Prerequisite: Course fulfilling U.S. History II requirement Fee: $25 Plus AP exam fee

Contemporary Literature - Contemporary literature is a contemporary course in a seminar setting. Students discuss, compare, critique and analyze works of popular modern authors. Students also explore thematic patterns and examine authors' purpose and style while improving independent reading skills and overall reading success. Students will be required to share, verbally and in writing, their analyses of a wide variety of contemporary works. This course may not be used to fulfill core course requirements. Prerequisite: None Fee: None

Creative Writing (one credit OR one-half credit) - This elective is designed to provide students opportunities to write creative, original works of prose, poetry, and drama. Students engage in various writing activities including mimicking styles, developing pieces based on visual and audio prompts, writing in groups, and writing on self-selected themes. Students are expected to take constructive criticism for the purpose of improvement. Students will learn to critically evaluate their own work and the works of others. Students may be asked to subscribe to a literary publication and to submit work for publication and/or competitions. This course may not be used to fulfill core course requirements. Prerequisite: None Fee: None

Creative Writing II (one credit OR one-half credit) - Creative Writing II expands on the concepts taught in Creative Writing. Students will submit work for various competitions and develop works for publication. Students will fine tune their skills in writing and focus on a specific area of interest, such as fiction writing, nonfiction writing, poetry, or playwriting; students will develop a portfolio of writing samples and published articles for college admissions and internship interviews. This course may not be used to fulfill core course requirements. Prerequisite: Creating Writing Fee: None
Creative Writing III (one credit OR one-half credit) - Creative Writing III is an English elective that brings concepts taught in Creative Writing II into greater detail and development. Students complete in writing contests, participate in the crafting of a literacy magazine, and produce works to be submitted for local, state, and national publications. This work style class includes extensive study of writing poetry, prose, nonfiction, screenwriting, and playwriting. This course may not be used to fulfill core course requirements. Prerequisite: Creating Writing

Fee: None

Creative Writing IV (one credit OR one-half credit) - Creative Writing IV is an English elective that builds on the concepts taught in Creative Writing III. Much like Creative Writing III, students complete in writing contests, participate in the crafting of a literacy magazine, and produce works to be submitted for local, state, and national publications. In this workshop style class, students streamline their writing to highlight a specific form of writing. This course may not be used to fulfill core course requirements. Prerequisite: Creating Writing

Fee: None

Dance Line (one credit OR one-half credit) - Dance Line is designed to allow members to enhance their dance skills, provide quality entertainment, promote school spirit, and emphasize cooperative teamwork. Members must be in good physical condition, willing to practice after school and during summer months, and available for scheduled performances. Additional costs may include uniforms, travel, or other expenses associated with performances. This course may not be used to fulfill the CTE and/or foreign language and/or arts education study. Prerequisite: Selection through Try-Outs

Fee: $25

Debate - Research skills, logic and persuasion, and public speaking are all part of a debate class. Students will participate in activities that encourage all three of these elements. Students will learn how to perform in various oral interpretation activities. Opportunities to participate in debate tournaments may be available. This course may not be used to fulfill core course requirements. Prerequisite: Speech

Fee: None

ESL Level I (one credit OR one-half credit) - This course is for students learning core English language development at the secondary level. The English Language Learners (ELLs) acquire academic language and communicative competence through the implementation of the World-class Instructional Design and Assessment-English Language Proficiency (WIDA-ELP) Standards. This course may not be used to fulfill core course requirements. Prerequisite: None

Fee: None

ESL Level II (one credit OR one-half credit) - This course is for students learning core English language development at the secondary level. The English Language Learners (ELLs) acquire academic language and communicative competence through the implementation of the World-class Instructional Design and Assessment-English Language Proficiency (WIDA-ELP) Standards. This course may not be used to fulfill core course requirements. Prerequisite: ESL Level I

Fee: None

ESL Level III (one credit OR one-half credit) - This course is for students learning core English language development at the secondary level. The English Language Learners (ELLs) acquire academic language and communicative competence through the implementation of the World-class Instructional Design and Assessment-English Language Proficiency (WIDA-ELP) Standards. This course may not be used to fulfill core course requirements. Prerequisite: ESL Level II

Fee: None

European History, Advanced Placement** - Advanced Placement (AP) European History is a college-level course that follows the guidelines of The College Board. AP European History is offered for the capable and ambitious student. It is designed to provide students with the analytical and factual information necessary to deal critically with problems and issues in the history of Europe. Students use advanced reading, writing, and evaluative skills to examine the development of European civilization. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board’s AP exam for weighted credit. This course may not be used to fulfill core course requirements. Prerequisite: Previous History Course

Fee: $65 plus AP exam fee

Flag Corps/Color Guard (one credit OR one-half credit) - Flag Corps/Color Guard members perform with the Marching Band at athletic events, band competitions, and community events. Students who participate in Flag Corps/Color Guard should be in good physical condition, willing to practice after school and during summer months, and available for scheduled performances. After marching season, Flag Corps/Color Guard members may be required to play instruments in the Concert or Symphonic Band. Additional costs may include uniforms, travel, or other expenses associated with performances. This course can neither be used to meet the one-half arts education credit required for graduation nor to fulfill the CTE and/or foreign language and/or arts education study. Prerequisite: Selection through Try-Outs

Fee: $25

Freshman Seminar (one credit OR one-half credit) - This course is designed to help 9th graders make the most of their high school experience through the development of good study habits, building resumes, selecting appropriate extra-curricular activities, handling peer pressure, and making suitable career choices. Topics will include introduction to school, preparing for coursework, counseling department orientation, planning for post-graduation options, community involvement, and others. Prerequisite: 9th Grade Status

Fee: None

History through Film (one credit OR one-half credit) - History through Film follows on American history through the use of film. Films focused on military history, social history, key American individuals, and regional cultures will be used to promote critical thinking skills about topics in American history. The medium of film will be used to engage students in discussion, stimulate debate, and improve writing skills. This course may not be used to fulfill core course requirements. Prerequisite: None

Fee: None

Human Geography, Advanced Placement** - Advanced Placement (AP) Human Geography is a college-level course that follows the guidelines of The College Board. AP Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. Students also learn about the methods and tools geographers use in their research and applications. On successful completion of the course, students should have developed the skills that enable them to: interpret maps and analyze geospatial data; understand and explain the implications of associations and networks among phenomena in places; recognize and interpret the relationships among patterns and processes at different scales of analysis; define regions and evaluate the regionalization process; characterize and analyze changing inter connections among places. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board’s AP exam for weighted credit. This course may not be used to fulfill core course requirements. Prerequisite: Previous History Course

Fee: $25 plus AP exam fee

Language of Math (one credit OR one-half credit) – This course is designed for newcomer high school students who either have limited and/or interrupted formal schooling or newcomers who will benefit from a course that will prepare them for the core subject. In this course, students will learn and/or review core content concepts and skills while expanding their knowledge of the English academic language of math. Emphasis placed on syntax and terminology. Prerequisite: None

Fee: None
Language of Science (one credit OR one-half credit) - This course is designed for newcomer high school students who either have limited and/or interrupted formal schooling or newcomers who will benefit from a course that will prepare them for the core subject. In this course, students will learn and/or review core content concepts and skills while expanding their knowledge of the English academic language of science. Emphasis placed on syntax and terminology.  
Prerequisite: None  
Fee: None

Legal Issues (one credit OR one-half credit) - This course is offered to provide students with a basic understanding of their legal rights and responsibilities. The course addresses general problems in the areas of criminal and juvenile justice, torts, consumer issues, family law, housing issues, and issues of individual liberty. Students examine the practical aspects of law in everyday life. Emphasis is placed upon the basic values and principles of the American judicial system. This course may not be used to fulfill core course requirements.  
Prerequisite: None  
Fee: None

Literature through Film (one credit OR one-half credit) - Literature through Film will analyze the film industry's adaptations of literature. The literature studied in the class will range from American to British to world. The different literary genres studied will include myths and fairy tales, short stories, poetry, dramas, graphic novels, non-fiction, and contemporary and classic novels. Students will learn to critically analyze texts through various literary theories and then apply their understanding of the texts' literary elements to their analysis of the texts' cinematic versions. The class will compare and contrast the original texts with their film adaptations and analyze the significance of their findings. The class will further develop students' advanced literacy and film analysis skills, writing skills, and presentation skills. The class will culminate in a group project in which students will script, film, and produce a cinematic interpretation of a selected piece of literature. This course may not be used to fulfill core course requirements.  
Prerequisite: None  
Fee: None

Literary Magazine - In this course, the school's literary magazine will be produced and created by students and 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 study cutting-edge techniques of magazine layout and design along with the creative components of the literary magazine including fiction, nonfiction, poetry, artwork, and photography. Students learn to use Adobe Creative Suite delving most deeply into InDesign and Photoshop—the two software programs used most extensively in all avenues of modern publishing. Students develop the needed skills to approach and partner with community businesses in order to foster reciprocal relationships.  
Prerequisites: Application and English teacher recommendation  
Fee: None

Majorette (one credit OR one-half credit) - Majorettes perform with the Marching Band at athletic events, band competitions, and community events. Students who participate as majorettes should be in good physical condition, willing to practice after school and during summer months, and available for scheduled performances. After marching season, majorettes may be required to play instruments in the Concert or Symphonic band. Additional costs may include uniforms, travel, or other expenses associated with performances. This course may not be used to fulfill the CTE and/or foreign language and/or arts education study.  
Prerequisites: Try-Outs and Selection  
Fee: $25

Mass Media I - This English elective explores the world of communication arts: newspaper, television, radio and film. Students will receive hands-on experience in each area and will study the history of each medium, as well as its impact on society. Students should be prepared to develop, write, and produce various media projects. Journalism is now incorporated into this course. This course may not be used to fulfill core course requirements.  
Prerequisites: Application and Selection  
Fee: $25

Mass Media II - This English elective explores the world of communication arts: newspaper, television, radio and film. Students will receive hands-on experience in each area and will study the history of each medium, as well as its impact on society. Students should be prepared to develop, write, and produce various media projects. Journalism is now incorporated into this course. This course may not be used to fulfill core course requirements.  
Prerequisites: Application and Selection; Mass Media I  
Fee: $25

Mass Media III - This English elective explores the world of communication arts: newspaper, television, radio and film. Students will receive hands-on experience in each area and will study the history of each medium, as well as its impact on society. Students should be prepared to develop, write, and produce various media projects. Journalism is now incorporated into this course. This course may not be used to fulfill core course requirements.  
Prerequisites: Application and Selection; Mass Media II  
Fee: $25

Mass Media IV - This English elective explores the world of communication arts: newspaper, television, radio and film. Students will receive hands-on experience in each area and will study the history of each medium, as well as its impact on society. Students should be prepared to develop, write, and produce various media projects. Journalism is now incorporated into this course. This course may not be used to fulfill core course requirements.  
Prerequisites: Application and Selection; Mass Media III  
Fee: $25

Math Seminar (one credit OR one-half credit) - This preparatory course will be mandatory for entering 9th grade students who would benefit from more experience in basic math skills. Placement will be determined by scores on 8th grade standardized tests and teacher recommendation. Math deficiencies will be addressed individually. Students will receive elective credit for this course.  
Prerequisite: Teacher Recommendation or IEP Placement  
Fee: None

Mythology and Fable - In this English literature elective course, students read, discuss, analyze and write about myths and fables from ancient Greece and Rome, ancient Egypt, Mesopotamia, China, Japan, and India. Students also examine Native American and Norse myths and fables. Students explore the influence of mythology on modern language, culture, and daily life and compare ancient and modern epic heroes. This course may not be used to fulfill core course requirements.  
Prerequisite: None  
Fee: $25

Peer Helper (one credit OR one-half credit) - This course is designed to teach students to be positive role models and helpers to those in the school and community. Students will assist their peers through such activities as one-to-one helping relationships, group leadership, discussion leadership, tutoring and other activities of an interpersonal helping nature. Peer helpers increase their own personal growth and gain exposure to possible future occupations in the helping professions. In this course students will begin training on how to provide a variety of useful and helpful services for schools. These services include, but are not limited to: talking with peers about personal or school problems; referring to community resources or providing information about the school's counseling program; serving as group leaders, group counseling assistants, teachers of helping skills to other students, communication skills trainers or peer helper trainers; tutoring in academic areas, serving as readers for nonreaders or assisting special education consultants in working with learning and behaviorally disabled students; welcoming and guiding new students and their parents around the school; serving as listeners or as a resource for populations that may feel uncomfortable talking with adults or reducing crisis situations by alerting the administration or school counselor to problems of a serious nature.  
Prerequisites: Application and Selection  
Fee: $25

Peer Leader (one credit OR one-half credit) - This course is designed to build on the foundation and skills mastered in the Peer Helper course. Students will assist their peers through such activities as one-to-one helping relationships, group leadership, discussion leadership, tutoring and other activities of an interpersonal helping nature. Peer leaders increase their own personal growth and gain exposure to possible future occupations in the helping professions. In this course students will continue their training on how to provide a variety of useful and helpful services for schools. These services include, but are not limited to: talking with peers about personal or school problems; referring to community resources or providing information about the school’s counseling program; serving as group leaders, group counseling assistants, teachers of helping skills to other students, communication skills trainers or peer helper trainers; tutoring in academic areas, serving as
readers for nonreaders or assisting special education consultants in working with learning and behaviorally disabled students; welcoming and guiding new students and their parents around the school; serving as listeners or as a resource for populations that may feel uncomfortable talking with adults or reducing crisis situations by alerting the administration or school counselor to problems of a serious nature. Prerequisite: Peer Helper Course Fee: $25

**Psychology** - Psychology introduces the student to the field of psychology by drawing upon the research and theories of a wide range of scientists and practitioners. Areas of study in this elective course include developmental and physiological psychology, sensation, perception, motivation, emotion, personality, mental disorders and therapies. Students employ inductive reasoning, divergent thinking, independent study, and written and oral expression as they examine the field of psychology. This course may not be used to fulfill core course requirements. Prerequisite: AP English Language and Composition or AP English Literature Fee: None

Psychology, Advanced Placement** - Advanced Placement (AP) Psychology is a college-level course that follows the guidelines of The College Board. AP Psychology is designed to provide students the opportunity to engage in an in-depth, systematic and scientific study of the behavior and mental processes of human beings and other animals. Students employ the methods psychologists use in their science and practice through hands-on experimentation. The course provides students with learning experiences equivalent to that of a typical college introductory psychology course. Upon completion of the course and satisfactory performance on the AP exam, students may earn advanced placement and/or credit upon entering college. Students are required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this course. Students must take the College Board's AP exam for weighted credit. Prerequisites: 10th, 11th, or 12th Grade Status Fee: $65 plus AP exam fee

**REACH Advisory - A class in which students meet at certain times under the supervision of a faculty advisor who implements REACH Advisory lessons and serves as an advocate for his/her students. 0.25 credits can be awarded each year; a maximum of 1.0 credits can be earned over the course of a student’s high school career. Prerequisite: None Fee: None

**Reading Seminar (one credit OR one-half credit)** - This preparatory course will be mandatory for entering 9th grade students who would benefit from more experience in basic reading skills. Placement will be determined by scores on 8th grade standardized tests and teacher recommendation. Deficiencies will be addressed individually. Students will receive elective credit for this course. Prerequisite: Teacher Recommendation or IEP Placement Fee: None

Research and Writing, Advanced (one credit OR one-half credit) - The primary objective of this elective course is to assist students with advanced research and writing skills in preparation for AP examinations. Students engage in activities designed to enhance their abilities in critical reading, analysis, and college-level writing. Students work with primary and secondary source documents and engage in Internet-based research. This course may not be used to fulfill core course requirements. Prerequisites: Any AP Course and/or Previous Advanced English Course and Teacher Recommendation Fee: None

Research and Design in Physics (one credit) - Scientific process and application skills; independent study; safety issues and research protocols; controlling/manipulating variables; statistical analysis and display of data; design and completion of inquiry project; scientific paper; competition in fairs and paper symposia; computer application; laboratory-based; technology. This course may not be used to fulfill core course requirements. Prerequisites: Teacher Recommendation Fee: None

**School Publications** - School Publications (formerly known as Yearbook Production) provides students with opportunities to learn a variety of practical skills: accounting, printing, layout, photography, advertising, interviewing, copy writing, editing, and cooperative learning. Students produce the school yearbook by participating in all aspects of planning, production, marketing, and distribution. Class activities may require after school or weekend participation. Students may take School Publications in subsequent terms for additional elective credits. Fee: None

Service Learning (one credit OR one-half credit) - In this course, 12th grade students will participate in classroom-based, school-based, and community-based projects throughout the course. Service learning is coordinated with a school or community service program and with the community. It is integrated into and influences the lifelong learning of a participant and includes structured time for the participants to reflect on the service experience. Service learning teaches the skills of civil participation and develops an ethic of service and civic responsibility. Students will provide service in the community through public, nonprofit agencies, civic, charitable and governmental organizations and school campuses. Prerequisite: None Fee: $25

Service Learning-CTE (one credit OR one-half credit) - This course is used to enhance the project-based learning in Career and Technical Education programs. This course is utilized to accommodate for travel when students are enrolled in courses at other high school campuses within our district, in courses at TCTA and in courses taken at post-secondary institutions (dual enrollment). Prerequisite: None Fee: $25

Sociology - Sociology is the study of human society and social behavior. This elective course includes the study of cultures, cultural variation, cultural adaptation, socialization of the individual, adolescence, social stratification, social institutions, and social problems. Student activities include analysis of readings, written papers, research, discussion, critical analysis of information. This course may not be used to fulfill core course requirements. Prerequisite: None Fee: None

Southern Literature (one credit OR one-half credit) - Southern literature will take students in grades 9-12 through an extensive and unique text set focused on exploring the development and progression of personal and cultural identities throughout the American South. Students will discuss, debate, critique and analyze literature (novels, short stories, poems, articles, songs, etc.) that explores themes prevalent in Southern culture and theory. Students will learn about a variety of uniquely Southern traditions, pastimes, and histories and how those events shape the American popular consciousness of the South. Each student will be expected to share, both out loud and in writing, their personal analyses of the works discussed in class. Daily activities will consist of whole class discussion of thematic elements, journaling about personal experiences related to those themes, and group activities aimed at fostering a deeper understanding of Southern culture. Most importantly, each student will take part in the deconstruction of Southern stereotypes and the reconstruction of a more accurate, more diverse concept of what it means to be a Southerner. This course may not be used to fulfill core course requirements. Prerequisite: None Fee: $25

Speech (one credit OR one-half credit) Speech is an English elective that 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. Units of study include group participation, public speaking, storytelling, parliamentary procedure, oral interpretation, theater, and mass communication. Students may take Speech in subsequent terms for additional elective credit(s). This course may not be used to fulfill the CTE and/or foreign language and/or arts education study. Prerequisite: None Fee: None

**Study Strategies (one credit OR one-half credit) - The purpose of this course is to enhance organization, listening, note-taking, and time management skills so that students can learn to manage their own learning style effectively and appropriately for academic success. This course is designed for students to be accelerated in the four core academic courses. Prerequisite: IEP/504/PST Recommendation or administrative placement based upon previous academic progress Fee: None**
Transition Services - This course will provide additional transitional services preparation for students to become self-advocates, participate in post-secondary education and/or training to gain meaningful employment and support community participation as they plan for life after high school. For students pursuing an Alabama High School Diploma requiring two credits of Career/Technical Education, one credit workforce essentials and one credit cooperative education, this course meets the Workforce Essentials requirement when the school does not offer Workforce Essentials.

Prerequisites: IEP Specifications and Placement

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PHYSICAL EDUCATION ELECTIVES

Physical education elective courses focus on the development and refinement of skills, knowledge, social and personal traits, and physical fitness acquired in grades K through 8 and in the required high school LIFE course. 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. Students in grades 9-12 are forming patterns for adult behaviors that include health-enhancing activities as an integral part of their daily or weekly routines. Effective instruction, appropriate supervision, adequate equipment, and a variety of opportunities allow students to reach their maximum potential for developing and maintaining a healthy, active lifestyle. These courses do not substitute for the required LIFE course.

Boys’ Weight Training OR Girls’ Weight Training (one credit OR one-half credit) - The weight training courses are elective courses designed to promote physical development, cardiovascular conditioning, flexibility, enhanced motor skills, and overall physical fitness. The course includes weightlifting, stretching, and aerobic exercises. Students are required to submit a signed parental permission form or parental affidavit prior to enrolling and a minimum weight of 150 pounds is required. Each student must sign and submit a waiver prior to enrolling. Students may take this course in subsequent terms for additional elective credit(s). These courses do not substitute for the required Beginning Kinesiology course.

Fee: $25

Boys’ Athletics OR Girls’ Athletics (one credit OR one-half credit) - Athletics is a series of elective physical education programs designed to develop greater proficiency and mastery in specific team sports. Advanced skills and knowledge of rules used in interscholastic and recreational programs are taught in this course. Students should examine the list of available sports and then try out or sign up as recommended by the coaching staff. Students must select an alternative course as a second choice on selection cards; placement in an athletic sport is made only after try-outs and selection procedures are completed. Certain sports may require enrollment in the same course for two semesters. For some sports students may be encouraged to enroll in weight training or physical education for the opposite semester to continue or enhance physical conditioning for the sport. Coaches advise individual athletes on the best course selections for optimum performance. These courses do not substitute for the required Beginning Kinesiology course. AHSAA Athletics – Baseball; Basketball; Cheerleading; Cross Country; Football; Golf; Soccer; Softball; Tennis; Track and Field; Volleyball; Wrestling

Prerequisites: Try-Out, Selection and Approval of Coach

Fee: $25

Advenure/Cooperative Activities (one credit OR one-half credit) - Orientering (compass, map reading, hiking, climbing, camping); Project Adventure; Team building and cooperative activities. Prerequisite: Beginning Kinesiology Course

Fee: $25

Strength and Conditioning Elective course that will give students the tools and resources needed to be physically fit and healthy for a lifetime. This course is a stand-alone course open to all students. It is not part of, nor may it be combined with, varsity athletics. Prerequisite: Beginning Kinesiology Course

Fee: $25

Lifetime Activities, Individual or Dual Sports (one credit OR one-half credit) - Archery; Badminton; Dancing; (line, hip-hop, folk and square, ballroom, etc.); Golf (with clubs, Frisbee golf); Gymnastics (tumbling, floor exercises, etc.); Handball; Tennis; Recreational games (deck tennis, shuffleboard, bowling, darts, table tennis, croquet). Prerequisite: Beginning Kinesiology Course

Fee: $25

Sports Officializing Certification (one credit OR one-half credit) - This course is an elective course that focuses on the professional philosophy, and professional requirements for officiating sports for athletic contests. This course will cover officiating football, basketball, wrestling, volleyball, soccer, baseball, track and field, and softball. Upon completion of the course students will be afforded the option to take certification exams for any of the sport components to become a restricted or certified official with the AHSAA. The course includes weightlifting, stretching, and aerobic exercises. Students in grades 9-12 are forming patterns for adult behaviors that include health-enhancing activities as an integral part of their daily or weekly routines. Effective instruction, appropriate supervision, adequate equipment, and a variety of opportunities allow students to reach their maximum potential for developing and maintaining a healthy, active lifestyle. These courses do not substitute for the required LIFE course.

Fee: $25

Team Sports (one credit OR one-half credit) - This course covers the basic concepts involved in team sports competition. Emphasis will be placed on refining basic skills, rules and regulation, officiating and team play. Upon completion, students should be able to participate and implement an intramural program. Basketball; Cricket; Field hockey; Flag football; Floor hockey; Lacrosse; Rugby; Soccer; Softball; Speedball; Team handball; Volleyball.

Prerequisite: Beginning Kinesiology Course

Fee: $25

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SERVICE ELECTIVES – STUDENT AIDES

No credit or grades are earned for service electives.

Counselor Assistant/Office Assistant/Library Assistant/Teacher Assistant - Students are selected as assistants based upon skills, academic averages, level of maturity, and ability to assume responsibility. Student assistants perform tasks including filing; sorting and distributing materials; running errands; greeting visitors; taking and delivering messages; and generally assisting with clerical duties under the direction of the professional office staff, teacher, counselor, or library staff. Students do not receive credit or grades for student assistant courses unless the course is being used to fulfill the internship requirements of Work-Based Learning/COOP. Twelfth grade status is recommended. Prerequisite: Selection by Appropriate School Staff

Fee: None

Student Cabinet - Student Cabinet is an elective offering for student government officers and representatives for the development of individual leadership skills. Student Cabinet participants plan and carry out a wide variety of projects that may include responsibilities to assist with homecoming activities, American Education Week projects, blood and charity drives, and SGA meetings. Cabinet members may assist with setting up facilities for assemblies, maintaining bulletin boards, and representing the school at community functions. Students do not receive credit or grades for Student Cabinet. Prerequisites: Election to SGA and Sponsor Selection for Cabinet

Fee: None
Agriculture, Food and Natural Resources
The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.
Pathways: Food Products and Processing Systems - Plant Systems - Animal Systems - Power, Structural and Technical Systems - Natural Resources Systems - Environmental Service Systems - Agribusiness Systems

Architecture and Construction
Careers in designing, planning, managing, building and maintaining the built environment.
Pathways: Design/Pre-Construction - Construction - Maintenance/Operations

Arts, A/V Technology and Communications
Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.
Pathways: A/V Technology and Film - Printing Technology - Visual Arts - Performing Arts - Journalism and Broadcasting - Telecommunications

Business Management and Administration
Careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.

Education and Training
Planning, managing and providing education and training services, and related learning support services.
Pathways: Administration and Administrative Support - Professional Support Services - Teaching/Training

Finance
Planning, services for financial and investment planning, banking, insurance, and business financial management.
Pathways: Securities and Investments - Business Finance - Accounting - Insurance - Banking Services

Government and Public Administration
Planning and performing government functions at the local, state and federal levels, including governance, national security, Foreign Service, planning, revenue and taxation, and regulations.
Pathways: Governance - National Security - Foreign Service - Planning - Revenue and Taxation - Regulation - Public Management and Administration

Health Science
Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.
Pathways: Therapeutic Services - Diagnostic Services - Health Informatics - Support Services - Biotechnology Research and Development

Hospitality and Tourism
Hospitality and Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.
Pathways: Restaurants and Food/Beverage Services - Lodging - Travel and Tourism - Recreation, Amusements and Attractions

Human Services
Preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.
Pathways: Early Childhood Development and Services - Counseling and Mental Health Services - Family and Community Services - Personal Care Services - Consumer Services

Information Technology
Building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.
Pathways: Network Systems - Information Support and Services - Web and Digital Communications - Programming and Software Development

Law, Public Safety, Corrections and Security
Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.
Pathways: Correction Services - Emergency and Fire Management Services - Security and Protective Services - Law Enforcement Services - Legal Services

Manufacturing
Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Marketing
Planning, managing, and performing marketing activities to reach organizational objectives.
Pathways: Marketing Management - Professional Sales - Merchandising - Marketing - Communications - Marketing Research

Science, Technology, Engineering and Mathematics
Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.
Pathways: Engineering and Technology - Science and Math

Transportation, Distribution and Logistics
Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.
Pathways: Transportation Operations - Logistics Planning and Management Services - Warehousing and Distribution Center Operations - Facility and Mobile Equipment Maintenance - Transportation Systems/Infrastructure Planning, Management and Regulation - Health, Safety and Environmental Management - Sales and Service

The National Career Clusters™ Framework is comprised of Sixteen Career Clusters™ and related Career Pathways to help students of all ages explore different career options and better prepare for college and career. Each Career Cluster™ represents a distinct grouping of occupations and industries based on the knowledge and skills they require.
ACHIEVING STARTS WITH BELIEVING
EVERY CHILD A GRADUATE – EVERY GRADUATE PREPARED

MISSION
Our mission is to educate and empower all students to be college and career ready graduates – prepared to make positive contributions to our global society.

Beliefs
High expectations are necessary to achieve goals and expand opportunities for all. Education is a shared responsibility that positively impacts the quality of life. Equity, fairness, accountability, and fiscal responsibility are foundations of our decision-making. Safe, well-equipped, student-centered schools support student success. Diversity and individual learning needs are respected, included, and valued.

TUSCALOOSA COUNTY SCHOOL SYSTEM
2020-2021
SCHOOL CALENDAR

INSTITUTE................................................................................., AUGUST 6, 2020
PROFESSIONAL DEVELOPMENT DAY............................................, AUGUST 7, 2020
PROFESSIONAL DEVELOPMENT DAY............................................., AUGUST 10, 2020
TEACHER WORK DAY...............................................................SEPTEMBER 1, 2020
SCHOOLS OPEN-FIRST DAY STUDENTS.........................................., AUGUST 12, 2020
LABOR DAY HOLIDAY..................................................................SEPTEMBER 7, 2020
FALL BREAK HOLIDAY...............................................................OCTOBER 12, 2020
PROFESSIONAL DEVELOPMENT DAY...........................................OCTOBER 13, 2020
VETERANS’ DAY HOLIDAY.........................................................NOVEMBER 11, 2020
THANKSGIVING HOLIDAYS.........................................................NOVEMBER 23-27, 2020
HALF DAY FOR STUDENTS......................................................DECEMBER 18, 2020

WINTER HOLIDAYS – DECEMBER 21, 2020 – JANUARY 5, 2021
TEACHERS RETURN – PROFESSIONAL DEVELOPMENT DAY..........JANUARY 4, 2021
TEACHER WORK DAY...............................................................JANUARY 5, 2021
STUDENTS RETURN.................................................................JANUARY 6, 2021
MARTIN LUTHER KING JR. BIRTHDAY HOLIDAY............................JANUARY 18, 2021
PROFESSIONAL DEVELOPMENT DAY..........................................FEBRUARY 15, 2021
SPRING BREAK...........................................................................MARCH 15-19, 2021
APRIL BREAK..............................................................................APRIL 16, 2021
HALF DAY FOR STUDENTS.........................................................MAY 27, 2021
HALF DAY FOR STUDENTS/LAST DAY FOR STUDENTS..................MAY 28, 2021
TEACHER WORK DAY/LAST DAY FOR TEACHERS.........................MAY 28, 2021
MEMORIAL DAY HOLIDAY.........................................................MAY 31, 2021