



COURSE CATALOG FOR GRADES 9-12 2021-2022

Retain this important document for your records.

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HIGH SCHOOLS

BROOKWOOD HIGH SCHOOL.....	205-342-2777
Website	http://brookwoodhigh.tcass.net
Address	12250 George Richmond Parkway, Brookwood, AL 35444
Principal.....	Mr. Daniel Bray
Assistant Principals	TBA
	Mrs. Kellie Hubbard
	Dr. Tripp Marshall
Counselors	Mrs. Kimberly Barnett
	Ms. Cathy Rutledge
HILLCREST HIGH SCHOOL	205-342-2800
Website	http://hillcresthigh.tcass.net
Address	300 Patriot Parkway, Tuscaloosa, AL 35405
Principal.....	Mr. Jeff Hinton
Assistant Principals	Mr. Brad Armstrong
	Mrs. Cheryl Morrow
	Mr. Kevin Thomas
Counselors	Mrs. LaTonya Jemison
	Mrs. Brandi Shanklin
	Mrs. Emily Woodroof
HOLT HIGH SCHOOL	205-342-2768
Website	http://holthigh.tcass.net
Address	301 44 th Court NE, Holt, AL 35404
Principal.....	Mrs. Jacqueline McNealey
Assistant Principal	Mr. Luther Riley
Counselor	Mrs. Sarah Hall
NORTHSIDE HIGH SCHOOL.....	205-342-2755
Website	http://northsidehigh.tcass.net
Address	19230 Northside Parkway, Northport, AL 35475
Principal.....	Mr. Anthony Dunn
Assistant Principal	Mrs. Lindsey Thompson
Counselor	Mrs. Carla Hamner
SIPSEY VALLEY HIGH SCHOOL.....	205-342-2850
Website	http://sipseyvalleyhigh.tcass.net
Address	15815 Romulus Road, Buhl, AL 35446
Principal.....	Mr. Dennis Alvarez
Assistant Principal	Dr. John Hooper
Counselor	Mrs. Amy Caudle
TUSCALOOSA COUNTY HIGH SCHOOL	205-342-2670
Website	http://tuscaloosacountyhigh.tcass.net
Address	12500 Wildcat Drive, Northport, AL 35475
Principal	Mr. Darrell Williams
Assistant Principals	Mrs. Hannah Costanzo
	Dr. Daniel Dickens
	Mr. Danny Jordan
	Mr. Marlon Murray
Counselors	Mrs. Julia Fox
	Mrs. Ashley Hagler
	Mrs. Julie McGillivray
	Mrs. Tracy Parker

THE TUSCALOOSA COUNTY SCHOOL SYSTEM

BOARD OF EDUCATION

SuperintendentDr. Keri Johnson
 Deputy Superintendent Mr. David Patrick
 Chief School Financial Officer.....Ms. Glendora Stephens

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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.tcass.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—205-342-2789
	Dr. Patricia Powell—205-342-2728

WELCOME TO HIGH SCHOOL

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.

COURSE SELECTION PROCESS

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.

STUDENT SCHEDULE, SCHEDULE CHANGES AND FEES

Dates for early schedule pick-up will be announced through the local media. To obtain a schedule during early schedule pick-up, the student must pay all fees required for courses selected. During early schedule pick-up, no schedule may be obtained by a student until all monies owed to the school (lost textbooks, library fines, etc.) have been paid. Contact the school principal to discuss any difficulty with fee payments.

The course selection process is made prior to the beginning of the school year and is the basis for master scheduling and staffing decisions at each school. For that reason, student requests for schedule changes are strongly discouraged and may be denied.

Requests for schedule changes must be submitted during the first four (4) days of the first semester. A fee of \$10.00 is required for any schedule change initiated by the student. No schedule changes will be made for courses taken by parent override against teacher recommendation.

VALIDATION OF CREDITS FROM NON-ACCREDITED OR HOME SCHOOLS

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.

In the event of the existence of controversial records/transcripts and/or the absence of any official or notarized records/transcripts, 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)

PROMOTION/GRADE CLASSIFICATION

Students must earn the minimum number of Carnegie units (credits) necessary for grade placement **above grade 9** as indicated below: (Policy: 5.26)

10th Grade – 5

11th Grade – 11

12th Grade – 17

Graduation – 24

HIGH SCHOOL EARLY EXIT

Every child between the ages of six and seventeen years is required to be enrolled in school and to attend for the entire length of each scholastic year. Therefore, only at the end of the first term of the senior year, but no earlier than the student's seventeenth (17th) birthday, may a student elect to exit high school early if the following criteria are met:

1. The High School Early Exit application form must be completed and on file at the school. The student must complete Section I of the form by the end of the junior year and return it to their counselor. Application forms are available at each high school.
2. The student must meet all graduation requirements.
3. The student must have completed all coursework through one or a combination of the following four methods:
 - Dual enrollment with Bevill State Community College, Shelton State Community College, Stillman College, the University of Alabama and/or the University of North Alabama
 - Credit acceleration
 - Courses on the high school campus during the regular school day
 - Tuscaloosa County Schools Virtual Program.
4. The student must provide to the counselor one of the following documents before exiting high school:
 - Letter of acceptance to a post-secondary institution OR
 - Letter of acceptance to the military OR
 - Letter from employer verifying employment in the workplace.

The following guidelines should be considered as students and parents think through the High School Early Exit opportunity.

- Following the completion of Section IV of the High School Early Exit application form, the student will be considered an alumnus, and therefore, will not be permitted to participate in any extracurricular activities or re-enroll in high school.
- Students who exit early may attend prom and participate in the graduation ceremony. It is the responsibility of the student to know all deadlines and expectations for prom and graduation.
- Students who exit early will not be eligible for valedictorian or salutatorian. In addition, no high school master schedules will be adjusted to accommodate a student who wishes to exit early.

CREDIT IMPROVEMENT

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.

- **Edgenuity** – Edgenuity is provided by the Tuscaloosa County School System. Courses taken in their entirety are NCAA approved; credit recovery courses are NOT approved by the 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.

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-AdvancED 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.

VIRTUAL LEARNING PROGRAM

Through the TCSS Virtual Learning Program, the Tuscaloosa County School System provides students in grades 8-12 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. (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 course, the student must obtain written permission for each class from his or her principal or the principal's designee. 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.
290-3-1-02(8)(c)1-2

The Tuscaloosa County School System will offer a summer program in 2021. 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 flier 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.tcass.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

For one-half credit, two nine-week grading period courses, a mandatory comprehensive exam will be administered at the end of the first nine-week grading period. The weight assigned to the comprehensive exam will be determined by the teacher of the course and will not exceed 20% of the nine-week grade. For half-credit, two nine-week grading period courses, comprehensive final exams will count twenty percent (20%) of the **final grade**. The sum of the two nine weeks' averages will be multiplied by two and added to the course final exam grade. This total will be divided by five to get the course final grade.

Mandatory comprehensive final examinations are administered to all students except those students meeting the exemption criteria. 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

For one credit, two nine-week grading period courses, a mandatory comprehensive exam will be administered at the end of the first nine-week grading period. The weight assigned to the 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. The sum of the two nine weeks' averages will be multiplied by two and added to the course final exam grade. This total will be divided by five to get the course final grade.

Mandatory comprehensive final examinations are administered to all students except those students meeting the exemption criteria. 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

For one credit, four nine-week grading period courses, mandatory comprehensive exams will be administered at the end of the first, second, and third nine-week grading periods. 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. The sum of the four nine weeks' averages will be added to the course final exam grade. This total will be divided by five to get the course final grade.

Mandatory comprehensive final examinations are administered to all students except those students meeting the exemption criteria. 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.

EXAMINATIONS

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 will take the *ACT plus Writing* in the Spring of 2022. 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 the Fall of 2021. *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* has helped 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 (NMQST) 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 other students 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 2021-2022 school year is Wednesday, October 13, 2021. 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/NMQST, and PSAT 10 — in a way that makes sense for their grade level. Schools choose a Fall date between late September 2021 and late January 2022 or a Spring date between late February 2022 and early March 2022.

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/NMQST, and PSAT 10 and connect to AP courses. When students get their test results, they may connect their College Board and [Khan Academy](https://www.khanacademy.org) 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.official-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 **four** separate fee waivers total. Two can be used in the 11th grade year; two can be used in the 12th grade year. 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.
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale. See http://fs.ncaa.org/Docs/eligibility_center/Quick_Reference_Sheet.pdf.
- Graduate high school

NCAA DIVISION II

- Division II currently requires 16 core courses.
- Earn a core-course GPA of at least 2.200.
- Earn the ACT/SAT score matching your core-course GPA on the Division II full qualifier sliding scale. See http://fs.ncaa.org/Docs/eligibility_center/Quick_Reference_Sheet.pdf.
- 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 salutarian, 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 salutarian.

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-salutarians. 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 salutarian 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 Beville 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, University of Alabama Early College, and the University of North Alabama, 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.

2021-2022 APPROVED DUAL ENROLLMENT COURSES
DUAL ENROLLMENT AGREEMENTS HAVE BEEN ESTABLISHED BETWEEN THE TUSCALOOSA COUNTY SCHOOL SYSTEM AND
BEVILL STATE COMMUNITY COLLEGE THE UNIVERSITY OF ALABAMA EARLY COLLEGE
SHELTON STATE COMMUNITY COLLEGE THE UNIVERSITY OF NORTH ALABAMA
STILLMAN COLLEGE

ENGLISH COURSES		PREREQUISITE(S)
English Composition I	ENG 101 – BSCC	ACT English score of 18 or Placement Test
	ENG 101 - SSCC	ACT English score of 18 or Level 5 Accuplacer
	ENG 131 - Stillman	N/A
	ENG 101 – UA	N/A
	EN 111 - UNA	ACT English score of 18
English Composition II	ENG 102 – SSCC and BSCC	A letter grade of C or higher in ENG 101
	ENG 102 – SSCC	A letter grade of C or higher in ENG 101
	ENG 132 - Stillman	ENG 131
	ENG 102 – UA	ENG 101 or AP Language or AP Literature score of 3 or higher
	EN 112 - UNA	EN 111
SCIENCE COURSES		PREREQUISITE(S)
Introduction to Biology I	BIO 101 – SSCC	High School GPA of 2.5
	BIO 141 - Stillman	As required by program
	BSC 108 – UA	N/A
	BI 101 - UNA	N/A
Introduction to Biology II	BIO 102 – SSCC	A letter grade of C or higher in BIO 101
	BSC 109 – UA	N/A
	BI 102 - UNA	BI 101 or 111
Principles of Biology I	BIO 103 – BSCC	High School GPA of 2.5
	BIO 103 – SSCC	High School GPA of 2.5
	BSC 114 and BSC 115 – UA (Nursing & Pre-Med Majors)	N/A
Principles of Biology II	BIO 104 – SSCC and BSCC	A letter grade of C or higher in BIO 103
	BSC 116 and BSCC 117 – UA (Nursing & Pre-Med Majors)	BSC 114 and BSC 115
Introduction to Inorganic Chemistry I	CHM 104 – SSCC, BSCC	High School GPA of 2.5
Introductory Chemistry	CH 104 –UA (Recommended by UA for Nursing majors)	N/A
Introduction to Organic Chemistry	CHM 105 – SSCC, BSCC and UA (Recommended by UA for Nursing majors)	A letter grade of C or higher in CHM 104
	CHM 111 – SSCC and BSCC	High School GPA of 2.5
College Chemistry I	CH 101 – UA (Recommended by UA for pre-Med and Engineering majors)	MTH 113 or higher
College Chemistry II	CHM 112 – SSCC and BSCC	A letter grade of C or higher in CHM 111
	CH 102 – UA (Recommended by UA for pre-Med and Engineering majors)	CHM 101
General Physics I – Trig Based	PHY 201 – SSCC and BSCC	High School GPA of 2.5
General Physics II – Trig Based	PH 101 – UA	MTH 113
	PHY 202 – SSCC and BSCC	A letter grade of C or higher in PHY 201
General Physics with Cal I	PH 102 – UA	PH 101
	PHY 213 – SSCC and BSCC	High School GPA of 2.5
General Physics with Cal II	PH 105 – UA	MTH 125
Introduction to Geology I	PHY 214 – SSCC and BSCC	A letter grade of C or higher in PHY 213
Introduction to Geology II	GEO 101 – UA	N/A
	GEO 102 – UA	N/A
MATHEMATICS COURSES		PREREQUISITE(S)
*NOTE: STUDENTS MUST HAVE PASSED THE THREE REQUIRED MATHEMATICS COURSES FOR THE ALABAMA HIGH SCHOOL DIPLOMA BEFORE ENROLLING IN ANY DUAL ENROLLMENT MATHEMATICS COURSE(S)		
Intermediate College Algebra	MTH 100 – BSCC	ACT Math Score - 18, HS GPA of 2.75 & A/B in Alg II, or Placement Test
	MTH 100 – SSCC	ACT Math Score - 18, HS GPA of 2.75 & A/B in Alg II, or Placement Test
	MATH 100 – UA	ACT Math Score - 18, SAT Math Score of 480 or Placement Test
	MATH 100 - UNA	ACT Math Score of 16
Mathematical Applications	MTH 116 – SSCC and BSCC	This math course may only be taken as the fourth math course for students pursuing dual enrollment in the Technical Degree Programs
Pre-Calculus Algebra	MTH 112 – BSCC	
	MTH 112 - SSCC	ACT Math Score - 20 or Accuplacer Score of 267
	MTH 134 - Stillman	N/A
Pre-Calculus Trigonometry	MATH 112 – UA	ACT Math score - 24, SAT Math score 580 or Placement Test
	MTH 113 – BSCC	MTH 112 or Placement Test
	MTH 113 – SSCC	MTH 112 or Placement Test
	MATH 113 – UA	MATH 112
Calculus I	MTH 125 – BSCC	C or higher in MTH 113 or 115, or ACT Math Score – 27, or Placement Test
	MTH 125 - SSCC	C or higher in MTH 113 or 115, or ACT Math Score – 27, or Placement Test
	CAL I 125 – UA	ACT Math Score-30, SAT Math score 710, MATH 113 or 115 or Placement
Calculus II	MTH 126 – BSCC	MTH 125 with a C or higher
	MTH 126 – SSCC	MTH 125 with a C or higher
	CAL I 126 – UA	MATH 125 or AP Calculus score of 3 or higher
SOCIAL STUDIES COURSES		PREREQUISITE(S)
United States History I	HIS 201 – SSCC and BSCC	High School GPA of 2.5
	HY 103 - UA	N/A
	HI 201 – UNA	N/A
United States History II	HIS 202 – SSCC and BSCC	High School GPA of 2.5
	HY 104 - UA	N/A
	HY 202 – UNA	N/A
American National Government	POL 211 – SSCC and BSCC	High School GPA of 2.5
Principles of American Government	PSC 239 – Stillman	N/A
Introduction to Political Science	PSC 101 - UA	N/A

United States Government and Politics	PS 241 – UNA	N/A
Principles of Microeconomics	ECO 232 – BSCC and SSCC	High School GPA of 2.5
	EC 110 – UA	MATH 100 or higher, ACT Math score of 24, SAT Math score of 580 or Placement Test
	EC 252 – UNA	N/A
Principles of Macroeconomics	ECO 231 – SSCC and BSCC	High School GPA of 2.5
	EC 111 – UA	EC 110
	EC 251 – UNA	N/A
CAREER TECHNICAL EDUCATION AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION		PREREQUISITE(S)
Career Technical Education	3 hours in approved course(s).	As required by program. Four year plans should be utilized to assist in the course selection.
Foreign Language	3 hours in approved course(s).	As required by program. Four year plans should be utilized to assist in the course selection.
Arts Education	3 hours in approved course(s).	As required by program. Four year plans should be utilized to assist in the course selection.
ADDITIONAL ACADEMIC ELECTIVES		PREREQUISITE(S)
Additional Academic Electives	3 hours in approved course(s).	As required by program. Four year plans should be utilized to assist in the course selection.

DUAL ENROLLMENT – BEVILL STATE & SHELTON STATE

STEPS TO DUAL ENROLLMENT – BEVILL STATE

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

STEPS TO DUAL ENROLLMENT – SHELTON STATE

- Students applying for dual enrollment are encouraged to speak with their high school counselor before applying.
- [Submit online application](#). Student will receive student ID number after applying online. **Required**
 - Be sure to select the Application Type – “Dual Enrollment”**
- Upload photo ID (Alabama driver license or state-issue identification card) and signature/residency page.
- Submit the Dual Enrollment Approval Form and upload a current high school transcript. English and Math courses require an upload of qualifying ACT scores. Once the form is submitted, the form is circulated via email for review and electronic signature in the following order:
 - Student review (parent and student section) and sign electronically.
 - Parent review (parent and student section) and sign electronically.
 - Counselor review (parent and student section) and sign electronically.
 - The form is submitted to dualenrollment@sheltonstate.edu and the student, parent, and counselor receive a copy of the completed form.
- If a student chooses to take a math or English course and does not have the qualifying ACT scores, the student must take the Accuplacer Placement Assessment. To register, visit [Accuplacer](#).
- Once applications are complete, Shelton State personnel will assist student in registering for courses.
- 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.
- 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.

- 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.
- 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:

Semester	Deadline
Fall semester	March 1 – May 3
Spring semester	October 1 – December 6
Summer semester	March 1 – May 3

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
 - by mail to UA Early College, Box 870365, Tuscaloosa, AL, 35487-0365
 - by secure email to earlycollege@ccs.ua.edu
 - using their electronic transcript provider
 - 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.

DUAL ENROLLMENT – THE UNIVERSITY OF NORTH ALABAMA

Welcome to UNA Early College! The program offers excellent opportunities for high school juniors and seniors who aspire to earn college credit while still in high school. Early College students are eligible to take 100-200 level courses. There are a wide variety of courses that are appealing to students' future educational and career interests.

Application deadline for summer semester: **JUNE 1**

Priority application deadline for fall semester: **APRIL 15**

Priority application deadline for spring semester: **NOVEMBER 15**

UNA Early College applicants with admission credentials received after the deadline will be considered for registration on a case-by-case basis.

Application Process:

- Complete the online application for admission and submit the \$35.00 application fee. Click [here](#) to apply now!
- Request an official high school transcript to be sent to the Office of Admissions.
- Send official ACT or SAT scores to the Office of Admissions. Students cannot request a Math or an English class without a sufficient ACT or SAT sub-scores.
- Complete the Early College Registration Form [here](#). The Approval Form must be submitted prior to registration for courses.
 - Please click [here](#) to see an example of the Early College Approval Form.

UNA Early College students who wish to re-enroll after an absence of one or more fall or spring semesters must reapply by submitting the Undergraduate Application and official high school transcript. The \$35 application fee is not required for previously enrolled students.

DUAL ENROLLMENT AT THE UNIVERSITY OF NORTH ALABAMA

- High school "B" average to be eligible for initial enrollment in the UNA Early College program.
- "C" average on UNA courses for continued participation in the UNA Early College program.
- Course requirements (specific ACT scores, high school courses, etc.) as listed in the current [undergraduate catalog](#).
- Students must also meet all course prerequisite requirements.
- Exceptions must be approved by the chair of the department where the course is housed, the dean of the college, and the Vice President for Academic Affairs and Provost.

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 AND HONORS COURSES

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.
- Additional resources required – calculators, outside reading materials, 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 2025 (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.				
COURSES	REQUIREMENTS TO RECEIVE AN ALABAMA HIGH SCHOOL DIPLOMA	CREDITS	REQUIREMENTS TO RECEIVE ACADEMIC DISTINCTION TO THE ALABAMA HIGH SCHOOL DIPLOMA	CREDITS
ENGLISH LANGUAGE ARTS (4 CREDITS)	EQUIVALENT/SUBSTITUTE OPTIONS MAY INCLUDE: • SDE APPROVED COURSES (I.E. ESSENTIAL SKILLS PATHWAY COURSES) • ADVANCED OR HONORS/PRE-AP COURSES • ADVANCED PLACEMENT COURSES • POST-SECONDARY COURSES		EQUIVALENT OPTIONS MAY INCLUDE: • POST-SECONDARY COURSES	
	ENGLISH 9 <u>OR</u> ITS EQUIVALENT/SUBSTITUTE	1	ADVANCED <u>OR</u> HONORS ENGLISH 9	1
	ENGLISH 10 <u>OR</u> ITS EQUIVALENT/SUBSTITUTE	1	ADVANCED <u>OR</u> HONORS ENGLISH 10	1
	ENGLISH 11 <u>OR</u> ITS EQUIVALENT/SUBSTITUTE	1	ADVANCED ENGLISH 11 <u>OR</u> AP LANGUAGE AND COMPOSITION <u>OR</u> AP LITERATURE AND COMPOSITION	1
	ENGLISH 12 <u>OR</u> ITS EQUIVALENT/SUBSTITUTE	1	ADVANCED ENGLISH 12 <u>OR</u> AP LANGUAGE AND COMPOSITION <u>OR</u> AP LITERATURE AND COMPOSITION	1
MATHEMATICS NOTE: Students who earned a credit for Algebra I in the 8 th grade are required to earn four math credits in high school. They will be required to schedule a math class each year while in grades 9-12. (4 CREDITS)	EQUIVALENT/SUBSTITUTE OPTIONS MAY INCLUDE: • SDE APPROVED COURSES (I.E. ESSENTIAL SKILLS PATHWAY COURSES) • CAREER AND TECHNICAL EDUCATION COURSES • ADVANCED OR HONORS COURSES • ADVANCED PLACEMENT COURSES • POST-SECONDARY COURSES		EQUIVALENT OPTIONS MAY INCLUDE: • SDE APPROVED COURSES • POST-SECONDARY COURSES	
	GEOMETRY WITH DATA ANALYSIS <u>OR</u> ITS EQUIVALENT/SUBSTITUTE	1	ADVANCED OR HONORS GEOMETRY WITH DATA ANALYSIS <u>OR</u> ITS EQUIVALENT/SUBSTITUTE	1
	ALGEBRA I WITH PROBABILITY <u>OR</u> ITS EQUIVALENT/SUBSTITUTE	1	ADVANCED OR HONORS ALGEBRA I WITH PROBABILITY <u>OR</u> ITS EQUIVALENT/SUBSTITUTE	1
	ALGEBRA II WITH STATISTICS <u>OR</u> ITS EQUIVALENT/SUBSTITUTE	1	ADVANCED OR HONORS ALGEBRA II WITH STATISTICS <u>OR</u> ITS EQUIVALENT/SUBSTITUTE	1
	APPLICATIONS OF FINITE MATH <u>OR</u> MATHEMATICAL MODELING <u>OR</u> EQUIVALENT	1	PRE-CALCULUS <u>OR</u> HONORS PRE-CALCULUS <u>OR</u> AP CALCULUS <u>OR</u> AP STATISTICS <u>OR</u> AP COMPUTER SCIENCE <u>OR</u> DUAL ENROLLMENT COURSE (MATH 112 OR ABOVE)	1
SEE POSSIBLE PATHWAYS FOR MATH ON PAGE 15				
SCIENCE (4 CREDITS)	EQUIVALENT/SUBSTITUTE OPTIONS MAY INCLUDE: • SDE APPROVED COURSES (I.E. ESSENTIAL SKILLS PATHWAY COURSES) • CAREER AND TECHNICAL EDUCATION • ADVANCED OR HONORS/PRE-AP COURSES • ADVANCED PLACEMENT • POST-SECONDARY COURSES		EQUIVALENT OPTIONS MAY INCLUDE: • POST-SECONDARY COURSES	
	BIOLOGY <u>OR</u> ITS EQUIVALENT/SUBSTITUTE	1	ADVANCED <u>OR</u> HONORS BIOLOGY	1
	A PHYSICAL SCIENCE (I.E. PHYSICAL SCIENCE, CHEMISTRY, PHYSICS) <u>OR</u> ITS EQUIVALENT/SUBSTITUTE	1	ADVANCED <u>OR</u> HONORS CHEMISTRY	1
	ALABAMA COURSE OF STUDY FOR SCIENCE OR EQUIVALENT/SUBSTITUTE COURSES FROM CAREER AND TECHNICAL EDUCATION/ADVANCED PLACEMENT/POST-SECONDARY COURSES/SDE APPROVED COURSES	1	AN ADDITIONAL ADVANCED, HONORS, <u>OR</u> AP SCIENCE CREDIT	1
	ALABAMA COURSE OF STUDY FOR SCIENCE OR EQUIVALENT/SUBSTITUTE COURSES FROM CAREER AND TECHNICAL EDUCATION/ADVANCED PLACEMENT/POST-SECONDARY COURSES/SDE APPROVED COURSES	1	AN ADDITIONAL ADVANCED, HONORS, <u>OR</u> AP SCIENCE CREDIT	1
SOCIAL STUDIES (4 CREDITS)	EQUIVALENT/SUBSTITUTE OPTIONS MAY INCLUDE: • SDE APPROVED COURSES (I.E. ESSENTIAL SKILLS PATHWAY COURSES) • ADVANCED OR HONORS/PRE-AP COURSES • ADVANCED PLACEMENT COURSES • POST-SECONDARY COURSES		EQUIVALENT OPTIONS MAY INCLUDE: • POST-SECONDARY COURSES	
	WORLD HISTORY SINCE 1500 <u>OR</u> ITS EQUIVALENT/SUBSTITUTE	1	ADVANCED <u>OR</u> HONORS WORLD HISTORY SINCE 1500	1
	U.S. HISTORY I <u>OR</u> ITS EQUIVALENT/SUBSTITUTE	1	ADVANCED <u>OR</u> HONORS U.S. HISTORY I	1
	U.S. HISTORY II <u>OR</u> ITS EQUIVALENT/SUBSTITUTE	1	ADVANCED <u>OR</u> HONORS U.S. HISTORY II OR AMERICAN STUDIES-ADVANCED U.S. HISTORY II	1
	U.S. GOVERNMENT <u>OR</u> ITS EQUIVALENT/SUBSTITUTE	0.5	ADVANCED U.S. GOVERNMENT OR AP U.S. GOVERNMENT	0.5
BEGINNING KINESIOLOGY (1 CREDIT)	BEGINNING KINESIOLOGY <u>OR</u> ONE JROTC CREDIT <u>OR</u> ONE MARCHING-CONCERT BAND CREDIT <u>OR</u> "ONE MARCHING-SYMPHONIC BAND CREDIT" <u>OR</u> ONE DANCE LINE CREDIT <u>OR</u> ONE FLAG CORPS/COLOR GUARD CREDIT <u>OR</u> ONE MAJORETTE CREDIT	1	BEGINNING KINESIOLOGY <u>OR</u> ONE JROTC CREDIT <u>OR</u> ONE MARCHING-CONCERT BAND CREDIT <u>OR</u> "ONE MARCHING-SYMPHONIC BAND CREDIT" <u>OR</u> ONE DANCE LINE CREDIT <u>OR</u> ONE FLAG CORPS/COLOR GUARD CREDIT <u>OR</u> ONE MAJORETTE CREDIT	1
	HEALTH EDUCATION (0.5 CREDITS)	0.5	ALABAMA COURSE OF STUDY: HEALTH EDUCATION <u>OR</u> ITS EQUIVALENT	0.5
CAREER PREPAREDNESS (1 CREDIT)	CAREER PREPAREDNESS COURSE OR SUBSTITUTE (May not be used to fulfill one of the CTE Credits listed below)	1	CAREER PREPAREDNESS COURSE (May not be used to fulfill one of the CTE Credits listed below)	1
CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION (3 CREDITS)	STUDENTS CHOOSING CTE, ARTS EDUCATION, AND/OR FOREIGN LANGUAGE ARE ENCOURAGED TO COMPLETE TWO COURSES IN SEQUENCE. <u>OR</u> "COMMUNITY-BASED WORK INSTRUCTION; TWO CTE COURSES IN A SEQUENCE; WORKFORCE ESSENTIALS <u>OR</u> TRANSITION SERVICES"; COOPERATIVE EDUCATION/WORK-BASED EXPERIENCE <u>OR</u> "AAS LIFE SKILLS" <u>OR</u> STUDENTS EARNING CORE CREDIT THROUGH THE ESSENTIALS/LIFE SKILLS COURSES. **FOR STUDENTS EARNING CORE CREDIT THROUGH ALTERNATE ACHIEVEMENT.	3	STUDENTS WILL BE REQUIRED TO CHOOSE ONE FOREIGN LANGUAGE, STUDENTS CHOOSING CTE, ARTS EDUCATION, AND/OR FOREIGN LANGUAGE ARE ENCOURAGED TO COMPLETE TWO COURSES IN SEQUENCE.	3 NOTE: ONE OF THE THREE CREDITS MUST BE A FOREIGN LANGUAGE
ELECTIVES (REMAINING CREDITS)	*STUDENTS EARNING CORE CREDIT THROUGH THE ESSENTIALS/LIFE SKILLS COURSES ARE REQUIRED TO TAKE COMMUNITY-BASED WORK INSTRUCTION; TWO CTE COURSES IN A SEQUENCE; WORKFORCE ESSENTIALS <u>OR</u> TRANSITION SERVICES; COOPERATIVE EDUCATION/WORK-BASED EXPERIENCE **AAS VOCATIONAL, AAS COMMUNITY BASED INSTRUCTION, AND/OR AAS ELECTIVE COURSE	REMAINING CREDITS		REMAINING CREDITS
TOTAL CREDITS REQUIRED FOR GRADUATION		24		24

CERTIFICATE OF ATTENDANCE	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.
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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

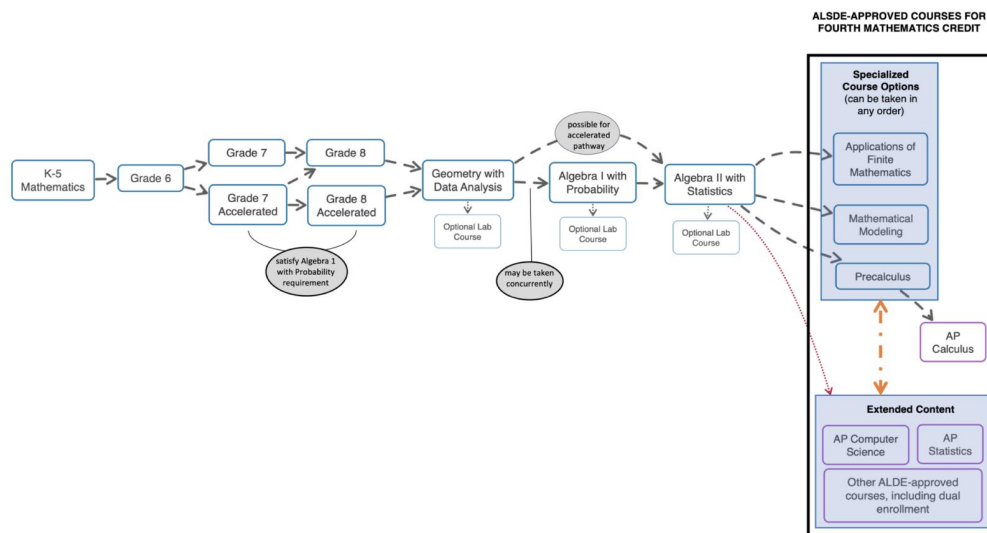
A student's plans for college or post-secondary should be considered when selecting any substitute course.

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

CORE COURSES

AAS: Mathematics 9
 AAS: Mathematics 10
 AAS: Mathematics 11
 AAS: Mathematics 12
 Algebraic Concepts
 Algebraic Essentials A
 Algebraic Essentials B
 Algebraic Essentials
 Geometry Essentials A
 Geometry Essentials B
 Geometry Essentials
 Essentials Algebra II
 Essentials Algebra with Finance
 Essentials Algebra II with Trig
 Geometry with Data Analysis
 Geometry with Data Analysis, Advanced
 Geometry with Data Analysis, Honors
 Algebra I with Probability
 Algebra I with Probability, Advanced
 Algebra I with Probability, Honors
 Algebra II with Statistics
 Algebra II with Statistics, Advanced
 Algebra II with Statistics, Honors
 Applications of Finite Mathematics
 Mathematical Modeling
 Pre-Calculus
 Pre-Calculus, Honors
 Calculus
 Calculus AB, AP
 Calculus BC, AP
 Statistics, AP

DUAL ENROLLMENT COURSES

Five post-secondary level math courses 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 Algebra
- Pre-Calculus Trigonometry
- Calculus I
- Calculus II

One post-secondary level math course may be used by students dually enrolled in a technical program to fulfill the fourth math:

- Mathematical Applications

See dual enrollment section on pages 10-13 for detailed information.

CTE COURSES – SUBSTITUTES

The ALSDE has identified 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 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 completer status regardless of whether the course is used as a CTE course or as the fourth credit in math.

Students may choose one of the following to serve as their fourth credit in mathematics:

- Career Mathematics
- Computer Science Principles, AP

SCIENCE

CORE COURSES

AAS: Science 9
 AAS: Science 10
 AAS: Science 11
 AAS: Science 12
 Essentials: Biology
 Essentials: Physical Science
 Essentials: Earth and Space
 Essentials: Environmental Science
 Essentials: Human Anatomy and Physiology
 Anatomy/Physiology
 Biology
 Biology, Advanced.
 Biology, Honors
 Biology, AP
 Chemistry
 Chemistry, Advanced
 Chemistry, Honors
 Chemistry, AP
 Earth and Space Science
 Environmental Science
 Environmental Science, AP
 Physical Science
 Physics
 Physics, Honors
 Physics 1: Algebra Based, AP
 Physics 2: Algebra Based, A
 Physics C: Mechanics, AP
 Physics C: Electricity and Magnetism, AP

DUAL ENROLLMENT COURSES

Fourteen post-secondary level science courses 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:

- Introduction to Biology I
- Introduction to Biology II
- Principles of Biology I
- Principles of Biology II
- Introduction to Inorganic Chemistry I
- Introduction to Organic Chemistry
- College Chemistry I
- College Chemistry II
- General Physics I – Trig Based
- General Physics II – Trig Based
- General Physics with Cal I
- General Physics with Cal II
- Introduction to Geology I
- Introduction to Geology II

See dual enrollment section on pages 10-13 for detailed information.

CTE COURSES – SUBSTITUTES

The ALSDE has identified nine 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.

***NOTE: Of the nine CTE courses identified by the ALSDE, eight of them may be offered either in the Tuscaloosa County School System and/or in the Tuscaloosa City School System at TCTA. 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.

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

- Chemistry of Food*** (similar to Chemistry)
- Forensic and Criminal Investigations***
- Plant Biotechnology***
- Aquaculture Science***
- Environmental Management*** (similar to Environmental Science)
- Introduction to Biotechnology***
- Human Body Structures and Functions*** (similar to Anatomy/Physiology)
- PLTW Human Body Systems (similar to Anatomy/Physiology)
- PLTW Principles of Engineering***

ENGLISH

CORE COURSES

AAS: English Language Arts 9
 AAS: English Language Arts 10
 AAS: English Language Arts 11
 AAS: English Language Arts 12
 English Essentials 9
 English Essentials 10
 English Essentials 11
 English Essentials 12
 English 9
 English 9, Advanced
 English 9, Honors
 English 10
 English 10, Advanced.
 English 10, Honors
 English 11
 English 11, Advanced
 English 12
 English 12, Advanced
 AP Language and Composition
 AP Literature and Composition

DUAL ENROLLMENT COURSES

Two post-secondary level English courses may be used to fulfill either the third and/or fourth credit in English.

- English Composition I
- English Composition II

SOCIAL STUDIES

CORE COURSES

AAS: Social Studies 9
 AAS: Social Studies 10
 AAS: Social Studies 11
 AAS: Social Studies 12
 Essentials I: World History
 Essentials II: U.S. History to 1877
 Essentials III: U.S. History from 1877
 Essentials IV: Economics
 Essentials IV: U.S. Government
 World History: 1500 to Present
 World History: 1500 to Present, Advanced.
 World History: 1500 to Present, Honors
 U.S. History I
 U.S. History I, Advanced.
 U.S. History I, Honors
 U.S. History II
 U.S. History II, Advanced
 U.S. History, AP
 U.S. Government/Economics
 U.S. Government, Advanced /Economics, Advanced
 U.S. Government and Politics, AP
 Macroeconomics, AP

DUAL ENROLLMENT COURSES

Three post-secondary level courses may be used to fulfill the fourth credit in history. The courses are as follows:

- U.S. History I
- U.S. History II
- 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.

NOTE: Courses approved by NCAA are listed on the NCAA Eligibility Center site (www.eligibilitycenter.org).

ALPHABETICAL TABLE OF CONTENTS FOR COURSE DESCRIPTIONS
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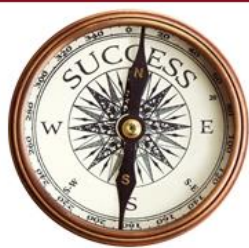
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Alabama

College- and Career-Ready

Standards & Support

Navigating Success for All...



GRADES 9-12

Courses are one year, one credit unless otherwise noted. Schools have the option of offering some elective courses as half-credit courses. Each school retains the right to determine which classes will be offered as one-half credit or one credit courses based on the needs of the local school's student population.

*Indicates advanced level courses which satisfy the requirements for Academic Distinction.

**Advanced Placement courses are taught at the college level. Completion of Advanced Placement courses and satisfactory performance on the related AP exams may enable students to receive advanced credit and/or placement upon entering college. Students enrolled in any AP course must take the AP exam; students who do not sit for the exam will not earn AP weighted credit. The fees for all Advanced Placement courses are \$25 plus the AP exam.

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. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: None Fee: None

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. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: Course fulfilling English 9 requirement Fee: None

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. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: Course fulfilling English 10 requirement Fee: None

AAS: English Language Arts 12 - 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. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: Course fulfilling English 11 requirement Fee: None

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. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: None Fee: 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. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: Course fulfilling English 9 requirement Fee: None

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. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: Course fulfilling English 10 requirement Fee: None

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. If a student aspires to attend post-secondary institutions, admission requirements should be reviewed before selecting this course. Prerequisite: Course fulfilling English 11 requirement Fee: None

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: None 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: Course fulfilling English 9 requirement Fee: None

English 10, Advanced* - Advanced English 10 expands students' knowledge of English usage and mechanics, oral and written communication, 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 writing and reading 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. Prerequisite: None 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. Prerequisite: AAS Mathematics 9 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. Prerequisite: AAS Mathematics 10 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. Prerequisite: AAS Mathematics 11 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. Prerequisite: None 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. Prerequisite: None 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. Prerequisite: Algebraic Essentials A Fee: None

Algebraic Essentials - This course combines Algebraic Essentials A and B into a one year, one-credit course. 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 I course. The course includes essential concepts to equip students with the 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. Prerequisite: None 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. Prerequisite: Algebraic Essentials B 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. Prerequisite: Geometry Essentials A Fee: None

Geometry Essentials - This course combines Geometry Essentials A and B into a one year, one-credit course. 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 Geometry course. The course includes essential concepts to equip students with the geometry 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: Algebraic Essentials A and Algebraic Essentials B or Algebraic Essentials 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. Prerequisite: Geometry Essentials A and Geometry Essentials B or Geometry Essentials 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 provides students with foundational skills identified in the general education Algebra II with Trig course. The course includes algebra 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

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

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

Geometry with Data Analysis, Honors* - Honors Geometry with Data Analysis is the first of three required courses in high school mathematics. In Honors 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, Honors Geometry with Data Analysis may also be taken concurrently with Algebra I with Probability. The workload in this course requires students to move 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: Math 8 or Accelerated Math 8

Fee: None

Algebra I with Probability - Algebra I with Probability builds upon algebraic concepts studied in Grade 7 and Grade 8 mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. Algebra I with Probability is the second of three courses required for all students. Students may enroll in this course after completing Geometry with Data Analysis in Grade 9 or by completing both Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics. Students who wish to accelerate their mathematics pathways in high school may also elect to enroll in Algebra I with Probability concurrently with Geometry with Data Analysis in the 9th grade.

Prerequisites: Geometry with Data Analysis

Fee: None

Algebra I with Probability, Advanced - Advanced Algebra I with Probability builds upon algebraic concepts studied in Grade 7 and Grade 8 mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. Algebra I with Probability is the second of three courses required for all students. Students may enroll in this course after completing Geometry with Data Analysis in Grade 9 or by completing both Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics. Students who wish to accelerate their mathematics pathways in high school may also elect to enroll in Algebra I with Probability concurrently with Geometry with Data Analysis in the 9th grade.

Prerequisites: Geometry with Data Analysis

Fee: None

Algebra I with Probability, Honors - Honors Algebra I with Probability builds upon algebraic concepts studied in Grade 7 and Grade 8 mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. Algebra I with Probability is the second of three courses required for all students. Students may enroll in this course after completing Geometry with Data Analysis in Grade 9 or by completing both Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics. Students who wish to accelerate their mathematics pathways in high school may also elect to enroll in Algebra I with Probability concurrently with Geometry with Data Analysis in the 9th grade.

Prerequisites: Honors Geometry with Data Analysis

Fee: None

Algebra II with Statistics - Algebra II with Statistics builds on the students' foundation from two previous mathematics courses, Geometry with Data Analysis and Algebra I with Probability. It is the third of three required courses and is to be taken following the successful completion of Geometry with Data Analysis and either Algebra I with Probability or the combination of the Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics course sequence. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student's interests and plans beyond high school. Algebra II with Statistics is the prerequisite for Applications of Finite Mathematics, Mathematical Modeling, Precalculus, and all other approved ALSDE mathematics classes designed for completion of a student's fourth mathematics credit.

Prerequisites: None

Fee: None

Algebra II with Statistics, Advanced - Advanced Algebra II with Statistics builds on the students' foundation from two previous mathematics courses, Geometry with Data Analysis and Algebra I with Probability. It is the third of three required courses and is to be taken following the successful completion of Geometry with Data Analysis and either Algebra I with Probability or the combination of the Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics course sequence. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student's interests and plans beyond high school. Algebra II with Statistics is the prerequisite for Applications of Finite Mathematics, Mathematical Modeling, Precalculus, and all other approved ALSDE mathematics classes designed for completion of a student's fourth mathematics credit.

Prerequisites: None

Fee: None

Algebra II with Statistics, Honors - Honors Algebra II with Statistics builds on the students' foundation from two previous mathematics courses, Geometry with Data Analysis and Algebra I with Probability. It is the third of three required courses and is to be taken following the successful completion of Geometry with Data Analysis and either Algebra I with Probability or the combination of the Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics course sequence. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student's interests

and plans beyond high school Algebra II with Statistics is the prerequisite for Applications of Finite Mathematics, Mathematical Modeling, Precalculus, and all other approved ALSDE mathematics classes designed for completion of a student's fourth mathematics credit.

Prerequisites: None

Fee: None

Applications of Finite Mathematics – Applications of Finite Mathematics was developed as a fourth-year course that extends beyond the three years of essential content that is required for all high school students. Applications of Finite Mathematics provides students with the opportunity to explore mathematics concepts related to discrete mathematics and their application to computer science and other fields and includes areas of study that are critical to the fast-paced growth of a technologically advancing world. The wide range of topics in Applications of Finite Mathematics includes logic, counting methods, information processing, graph theory, election theory, and fair division with an emphasis on relevance to real-world problems. Logic includes recognizing and developing logical arguments and using principles of logic to solve problems. Students are encouraged to use a variety of approaches and representations to make sense of advanced counting problems and then develop formulas that can be used to explain patterns. Applications in graph theory allow students to use mathematical structures to represent real world problems and make informed decisions. Election theory and fair division applications also engage students in democratic decision-making so that they recognize the power of mathematics in shaping society. Note: Students may not receive credit for both Applications of Finite Mathematics and Discrete Mathematics.

Prerequisites: None

Fee: None

Mathematical Modeling – Mathematical Modeling is developed to expand on and reinforce the concepts introduced in Geometry with Data Analysis, Algebra I with Probability, and Algebra II with Statistics by applying them in the context of mathematical modeling to represent and analyze data and make predictions regarding real-world phenomena. Mathematical Modeling is designed to engage students in doing, thinking about, and discussing mathematics, statistics, and modeling in everyday life. It allows students to experience mathematics and its applications in a variety of ways that promote financial literacy and data-based decision-making skills. This course also provides a solid foundation for students who are entering a range of fields involving quantitative reasoning, whether or not they require calculus. NOTE: Students may not receive credit for both Mathematical Modeling and Algebra with Finance.

Prerequisites: None

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 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.

Prerequisite: 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 mathematic 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, abstractions, 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: \$25 plus AP exam fee

SCIENCE

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. Students must take the comprehensive course final exam to receive weighted credit. Prerequisite: None Fee: \$25

Biology, Advanced Placement* ** - Advanced Placement Biology is a college-level course that follows the guidelines of The College Board. It will differ significantly from the usual high school biology regarding the kind of textbook used, the range and depth of topics covered, the kind of lab work done, and the time and effort required of students. The main goals of AP Biology are to help students develop a conceptual framework of modern biology, to help students gain appreciation of science as a process, and to prepare the students for the national exam. Topics include molecular biology, cells, genetics, evolution, organisms, and populations. Activities include laboratory experiences and independent research. 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: Adv. or Honors (recommended) Biology and Adv. or Honors (recommended) Chemistry

Fee: \$25 Plus AP exam fee

Chemistry - 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.

Prerequisite: Math and Science Teacher Recommendations

Fee: \$25

Chemistry, Advanced* - This physical science course provides an advanced 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. Class activities and laboratory experiences provide opportunities for the development of skills in analysis, synthesis, and evaluation. Topics include atomic structure, chemical formulas and equations, and properties of elements. Strong math skills are essential to student success in this course.

Prerequisite: Math and Science Teacher Recommendations

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 is designed to be the equivalent of the general chemistry course usually taken during the first year of college. AP Chemistry differs from the other chemistry 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 thermochemistry. 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 Biology and Math and Science Teacher Recommendations Fee: \$25

Chemistry, Advanced Placement* ** - Advanced Placement (AP) Chemistry is a college-level course that follows the guidelines of The College Board. This course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. AP Chemistry differs from the other chemistry courses in the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulations of principles, kind of laboratory work done, and the overall time spent on the course by students. In this course, students should attain a greater depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. Topics include chemical reactions; properties of solids, liquids, gases and solutions; chemical equilibrium; thermodynamics; atomic and molecular structure; kinetics; periodic properties; nuclear chemistry; and organic chemistry. Students will need a scientific calculator and an AP study guide. 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: Adv. or Honors Chemistry and Algebra II with Trigonometry or Honors Algebra II with Trigonometry

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 biogeology; 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 Fee: 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 Fee: \$25

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. College-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 or Honors Algebra II with Trigonometry and Honors Chemistry (Recommended) or Advanced Chemistry

Fee: \$25 plus AP exam fee

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. College-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; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; quantum, atomic and nuclear physics; 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: AP Physics 1: Algebra Based

Fee: \$25 plus AP exam fee

Physics C: Mechanics, Advanced Placement/Physics C: Electricity and Magnetism, 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 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 completion 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 broaden depth 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 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. **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 \$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

GENERAL EDUCATION PATHWAY

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

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.

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

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

CAREER PREPAREDNESS

Career Preparedness - Required for all students. 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

HEALTH AND BEGINNING KINESIOLOGY

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 (Extended Standards). Course objectives are aligned with the content standards in the Alabama Course of Study: Health Education. 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

FOREIGN LANGUAGE

Students 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 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 Fee: None

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 of 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 Fee: None

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 Fee: None

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 students 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

Fee: None

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

Fee: None

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

Fee: None

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

Fee: None

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 conversation skills and using the language in a variety of settings.

Prerequisite: Spanish 2

Fee: None

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

Fee: None

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 to create original works of art. Safe practices and proper use of tools and materials are emphasized. Prerequisites: Visual Arts III and Teacher Recommendation

Fee: \$25

Introduction to Two-Dimensional Design - This one credit course, novice level, it 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, it 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 analog photography, elements and principles of design; aesthetics; criticism; art/photography history; evaluation of photographic artwork; proper care and storage of analog 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, it is the first of a sequential high school course focusing on digital photography. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how photography communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a general foundation of digital photography, elements and principles of design; aesthetics; criticism; art/photography history; evaluation of photographic artwork; proper care and storage of digital photography supplies; integration of appropriate media and techniques; communication of ideas; solution of artistic problems; minimal use of analog photography may be incorporated. 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. Prerequisite: 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 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: Audition and Selection by Band Director Fee: \$25

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 Fee: \$25

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 Fee: \$25

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 **Fee: \$25**

Marching Band V (one credit OR one-half credit) - This is an 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 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 IV and/or Selection by Band Director **Fee: \$25**

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: Audition and Selection by Band Director **Fee: \$25**

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 **Fee: \$25**

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 **Fee: \$25**

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 **Fee: \$25**

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 **Fee: \$25**

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 quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. Prerequisite: None **Fee: \$25**

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 **Fee: \$25**

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 orchestral 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 orchestral 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 orchestral 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 orchestral 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 kinesthetic 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 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 demonstrate 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 beginning acting and musical talent to refine their musical theatre technique. Students will study the history of musical theatre and perform solo, duo 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, duo 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, duo 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. Prerequisite: Women's Chorus III and/or Selection by Choral Instructor **Fee: \$25**

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. Prerequisite: Audition and Selection by Choral Instructor **Fee: \$25**

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. Prerequisite: Introduction to Men's Chorus I and/or Selection by Choral Instructor **Fee: \$25**

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.

Prerequisite: Men's Chorus II and/or Selection by Choral Instructor

Fee: \$25

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.

Prerequisite: Men's Chorus III and/or Selection by Choral Instructor

Fee: \$25

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.

Prerequisite: Audition and Selection by Choral Instructor

Fee: \$25

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.

Prerequisite: Introduction to Chamber Chorus I and/or Selection by Choral Instructor

Fee: \$25

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.

Prerequisite: Chamber Chorus II and/or Selection by Choral Instructor

Fee: \$25

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.

Prerequisite: Chamber Chorus III and/or Selection by Choral Instructor

Fee: \$25

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.

Prerequisite: Audition and Selection by Choral Instructor

Fee: \$25

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.

Prerequisite: Introduction to Show Choir I and/or Selection by Choral Instructor

Fee: \$25

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.

Prerequisite: Introduction to Show Choir II and/or Selection by Choral Instructor

Fee: \$25

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 popular vocal style 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 used 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.

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 (FCCLA), Future Teachers of America (FTA), Future Farmers of America (FFA), Health Occupations Students of America (HOSA), and SKILLS USA.

GENERAL CTE ELECTIVES

Career Mathematics - A one-credit course that provides students with the foundational knowledge and processes needed to apply mathematic concepts in a career setting. Emphasis is placed on applied problems in the areas of algebra, geometry, measurement, and probability and statistics. 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 completer 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 or drug testing.*

WBL-Cooperative Education is an educational program consisting of in-school instruction combined with program-related on-the-job work experience in a business, industrial establishment, or school (i.e. library clerk, office clerk, etc.). Employment must be a paid apprenticeship or an approved unpaid internship. Students develop competencies and training that will contribute to college and career preparation. The program is supervised by the WBL Coordinator and the employer to ensure that student training is progressive and meaningful. The program gives the student a chance to observe first-hand "high skill, high wage, or high demand" career areas. The WBL Coordinator determines how and when to meet with students for recordkeeping and job-related discussions. Students must be 11th or 12th graders, 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 course 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.

Work-Based Experiences/Apprenticeships are paid work experiences for eligible 11th and 12th grade students where experiences, hours worked, and wages earned are monitored and documented by the employer and the coordinator. (Paid work experience is referred to as *Apprenticeship*)

Work-Based Experiences/Internships are unpaid work experiences for eligible 11th and 12th grade students where experiences and hours worked are monitored and documented by a supervisor/mentor and the coordinator. (Unpaid work experience is referred to as *Internship*)

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

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. Prerequisite: 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. Prerequisite: None Fee: \$25

Life Connections - A one-credit course designed to focus on practical problems related to nurturing human development throughout the life span and life cycle. A school-based laboratory is required for this course. Prerequisite: 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. Prerequisite: 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. Fee: \$25
Prerequisites: IEP Specifications and Placement

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 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. Fee: \$25
Prerequisite: None

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

Sequence	Recommended Pathway Courses
1 st Course	Architecture, Construction and Manufacturing (foundation)
2 nd Course	NCCER Carpentry 1
3 rd Course	NCCER Carpentry 2
4 th Course	NCCER Carpentry 3
5 th Course	Senior Career Pathway Project – Architecture and Construction
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

Sequence	Recommended Pathway Courses
1 st and 2 nd Courses	Architecture, Construction & Manufacturing and NCCER Welding 1 (foundation)
3 rd and 4 th Courses	NCCER Welding 2 and Safety and Health Regulations
5 th and 6 th Courses	NCCER Welding 3 and NCCER Welding 4
Career Readiness Indicators	
• NCCER Core • NCCER Welding Level 1 • 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, building materials, fasteners, adhesives, and flooring systems 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 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 floor 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 theory, practice, and skills development. Emphasis is placed on application and operation of shielded metal arc welding (SMAW), equipment 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?**
☒ 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?**
☒ 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?**
☒ 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?**
☒ 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?**
☒ 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.

AGRICONSTRUCTION PROGRAM

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

Sequence	Recommended Pathway Courses
1 st Course	Agriscience (foundation)
2 nd Course	Animal Science
3 rd Course	Introduction to Veterinary Science OR Poultry Science
4 th Course	Senior Career Pathway Project – Agriculture, Food, Natural Resources
Career Readiness Indicators	
• NCCER Core • Adult Beef Quality Assurance (BQA – all three areas required): Cow/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

Sequence	Recommended Pathway Courses
1 st Course	Agriscience (foundation)
2 nd Course	Sports Turfgrass Production Management OR Landscape Design and Management
3 rd Course	Horticulture Science OR Greenhouse Production and Management
4 th Course	Senior Career Pathway Project – Agriculture, Food, Natural Resources
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, SAEs, 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 completion 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

FLORAL DESIGN PROGRAM

Sequence	Recommended Pathway Courses
1 st Course	Agriscience (foundation)
2 nd Course	Floral Design and Interiorscaping
3 rd Course	Specialty Floral Design and Management OR Creative Floral Design
4 th Course	Senior Career Pathway Project – Agriculture, Food, Natural Resources
Career Readiness Indicators	
• None	
Potential Workforce Careers	
• Florist • Florist Worker • Event Planner	

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

Sequence	Recommended Pathway Courses
1 st Course	Agriscience (foundation)
2 nd Course	Fish and Wildlife Management
3 rd Course	Forestry
4 th Course	Senior Career Pathway Project – Agriculture, Food, Natural Resources
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 completer 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 WORKFOR 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

Sequence	Recommended Pathway Courses
1 st Course	Introduction to Advertising Design
2 nd Course	Digital Design
3 rd Course	Graphic Illustration
4 th Course	Studio Portfolio
5 th Course	CTE Lab in Arts, AV Television, and Communication
6 th Course	Senior Career Pathway Project – Arts, A/V Tech & Communications
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 • Macromedia Dreamweaver 9 Developer • Macromedia Flash MX2004 Designer • Microsoft Certified Professional + Internet (MCP+I) • Microsoft Certified Professional Site Building (MCP+Site Building) • Web Communication using Adobe Dreamweaver •PrintED Advertising Design	
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

Sequence	Recommended Pathway Courses
1 st Course	Introduction to Television Production
2 nd Course	Television Production: Writing, Producing and Performing
3 rd Course	Television Production: Studio Operations
4 th Course	Television Production: Photography and Editing
5 th Course	Advanced Television Production
6 th Course	Senior Career Pathway Project – Arts, A/V Tech & Communications
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 Broadcast Technologist	
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: Studio Operations – A one-credit course that provides students with a variety of real-world learning opportunities through laboratory experiences in studio operations. 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

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, MANAGEMENT AND ADMINISTRATION

GET DOWN TO BUSINESS

- ☒ **ARE YOU DRIVEN TO SUCCEED?**
 - ✓ **THE BUSINESS FIELD DEMANDS GET-UP-AND-GO.**
- ☒ **CAN YOU SELL OTHERS ON YOUR IDEAS?**
 - ✓ **TO GENERATE BUSINESS, YOU HAVE TO MARKET A PRODUCT.**
- ☒ **ARE YOU DEDICATED TO DELIVERING ON YOUR PROMISES?**
 - ✓ **IF YOU WANT TO STAY IN BUSINESS, YOU HAVE TO DELIVER A PRODUCT OR A SERVICE.**
- ☒ **ARE YOU A GOOD LEADER?**
 - ✓ **TO GROW YOUR BUSINESS, YOU NEED TO BUILD A WINNING TEAM.**
- ☒ **ARE YOU INTERESTED IN SERVING A LARGER GOOD?**
 - ✓ **YOUR BUSINESS DOESN'T GROW IN A VACUUM; IT THRIVES IN A HEALTHY COMMUNITY.**

IF YOU ANSWERED "YES" TO MOST OF THESE QUESTIONS, BUSINESS, MANAGEMENT & ADMINISTRATION COULD BE RIGHT FOR YOU.

BUSINESS MANAGEMENT AND ADMINISTRATION

Sequence	Recommended Pathway Courses
1 st Course	Career Preparedness
2 nd Course	Business Technology Applications
3 rd Course	Multimedia Design
4 th Course	AP Computer Science Principles (Prereq: Algebra II with Trig)
5 th Course	Personal Finance
6 th Course	Law in Society
7 th Course	Cooperative Education
Career Readiness Indicators • Adobe Certified Associate (ACA) – Photoshop • Adobe Certified Associate (ACA) – Dreamweaver • Adobe Certified Associate (ACA) – Flash • Adobe Certified Associate (ACA) – Premier Pro • Adobe Certified Associate (ACA) – InDesign • Adobe Certified Associate (ACA) – Illustrator • ASK Institute – Concepts of Entrepreneurship and Management • ASK Institute – Fundamental Business Concepts • IC3 Global Standard 4 • 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 • Chief Executive Officer • Entrepreneur • General Manager • Human Resources Manager • Training and Development Specialist • Labor and Personnel Relations Specialist • Executive Assistant • Office Manager • Receptionist • Business and Development Manager • Operations Analyst • Management Analyst • Legal Secretary	

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 Fee: \$25

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 GROUP 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 PROFESSIONALS 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.

EARLY CHILDHOOD EDUCATION PROGRAM

Sequence	Recommended Pathway Courses
1 st Course	Education and Training (required foundation course)
2 nd Course	Early Childhood Education I
3 rd Course	Early Childhood Education II
4 th Course	Early Childhood Education Internship
Career Readiness Indicators	
<ul style="list-style-type: none"> • Child Development Associate – CDA • ETS Praxis Core Academic Skills (Must pass Reading, Writing, and Mathematics) • Praxis II: Principles of Learning and Teaching: Early Childhood • ASK Institute –Concepts of Entrepreneurship and Management • ServSafe Manager 	
Potential Workforce Careers	
<ul style="list-style-type: none"> • Education Administrator, Preschool and Child Care Center/Program • Child, Family, and School Social Worker • Director, Religious Activities and Education • Preschool, Kindergarten, and Elementary School Teachers, including Special Education Teachers • Editor • Writer and Author • Child Care Worker • Day Care Owner 	

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

Early Childhood Education I – This course is designed for students who are interested in pursuing careers that require working with children and teaching in an early childhood education program. The required school-based laboratory is an early childhood education program. Prerequisite: Education and Training Fee: \$25

Early Childhood Education II – This is a one-credit course taught in grades 9-12 that includes an in-depth study of infant and toddler development. The course focuses on the knowledge and skills needed for career opportunities in this specialized stage of human development. The physical care, emotional needs, health and nutritional needs of infants and toddlers are addressed. Instruction based on the latest research and development on how to develop enriching programs and environments for children under three years of age that maximize the development of the whole child is included in the course. Informal and formal observation techniques to observe, record, and interpret the behaviors of infants and toddlers in various settings are addressed in the program. Prerequisites: Education and Training and Early Childhood Education I Fee: \$25

Education and Training Internship – This course is designed for students interested in pursuing an internship experience in an educational field. Students who have completed Teaching II or Early Childhood Education II are eligible to enroll in the Education and Training Internship. A school-based laboratory is required for the internship. If offsite internships are required, students must provide their own transportation to internship sites. Prerequisites: Teaching II and Teacher Recommendation Fee: \$25

TEACHING AND TRAINING PROGRAM

Sequence	Recommended Pathway Courses
1 st Course	Education and Training (required foundation course)
2 nd Course	Teaching I
3 rd Course	Teaching II
4 th Course	Education and Training Internship
Career Readiness Indicators	
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • 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 PROFESSIONALS 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

Sequence	Recommended Pathway Courses
1 st Course	Career Preparedness
2 nd Course	Business Technology Applications
3 rd Course	Accounting
4 th Course	Business Finance or Personal Finance
5 th Course	Work-based Learning/Cooperative Education (or other elective)
6 th Course	Senior Career Pathway Project - Finance
Career Readiness Indicators • ASK Institute – Concepts of Finance • IC ³ 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: \$25

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: \$25

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

Sequence	Recommended Pathway Courses
1 st Course	Army JROTC Leadership Education and Training I (LET-I)
2 nd Course	Army JROTC Leadership Education and Training II (LET-II)
3 rd Course	Army JROTC Leadership Education and Training III (LET-III)
4 th Course	Army JROTC Leadership Education and Training IV (LET-IV)
5 th Course	Army JROTC Drill 1 (elective)
6 th Course	Army JROTC Drill 2 (elective)
7 th Course	Army JROTC Drill 3 (elective)
8 th Course	Army JROTC Drill 4 (elective)
Career Readiness Indicators	
<ul style="list-style-type: none"> • Army JROTC Certificate 	
Potential Workforce Careers	
<ul style="list-style-type: none"> • All 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 REQUIRES 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

Sequence	Recommended Pathway Courses
1 st Course	Foundations of Health Science (required prerequisite)
2 nd Course	Human Body Structures and Functions (optional)
3 rd Course	Emergency Services (optional)
4 th Course	Patient Care Technician (optional)
5 th Course	Therapeutic Services
6 th Course	Health Science Internship
Career Readiness Indicators • BLS Instructor with Healthcare Provider • Certified Billing and Coding Specialist (CBCS) • Certified Patient Care Technician (CPCT) • 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 • Audiologist • 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 • Veterinarian 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 completer 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

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 activities. 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 completer 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. **Prerequisites:** 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. Prerequisites: 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 workforce skills and safety will be emphasized, as well as, professional ethics and legal responsibilities. Students will ascertain employability skills and soft skills required by business and industry. Upon successful completion of required theory, lab, and simulation, students may be eligible to sit for Patient Care Technician Certification. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth. 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

HOSPITALITY AND TOURISM

MAP OUT YOUR FUTURE

- ☒ **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.

RESTAURANT, FOOD AND BEVERAGE SERVICES PROGRAM

Sequence	Recommended Pathway Courses
1 st Course	Hospitality and Tourism (required foundation course)
2 nd Course	Culinary I
3 rd Course	Culinary II
4 th Course	Senior Career Pathway Project – Hospitality and Tourism
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 • Editor • Technical Writer • Writer and Author • Food Journalist/Stylist/Photographer • Executive/Sous Chef • Food Processing Worker • Baker • Butcher and Meat Cutter • Food Batchmaker • Caterer	

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

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 Fee: \$25

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

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

LODGING PROGRAM

Sequence	Recommended Pathway Courses
1 st Course	Hospitality and Tourism (required foundation course)
2 nd Course	Lodging I
3 rd Course	Lodging II
4 th Course	Senior Career Pathway Project – Lodging
Career Readiness Indicators	
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • 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

Fee: \$25

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

Fee: \$25

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

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

RECREATION, TRAVEL AND TOURISM PROGRAM

Sequence	Recommended Pathway Courses
1 st Course	Hospitality and Tourism (required foundation course)
2 nd Course	Travel and Tourism I
3 rd Course	Travel and Tourism II
4 th Course	Senior Career Pathway Project – Hospitality and Tourism
Career Readiness Indicators	
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • 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

Sequence	Recommended Pathway Courses
1 st Course	Family and Consumer Sciences (foundation)
2 nd Course	Food and Nutrition (if offered, or another FACS elective)
3 rd Course	Event Planning (if offered, or another FACS elective)
4 th Course	Sports Nutrition (if offered, or another FACS elective)
5 th Course	Baking and Pastry Arts (if offered, or another FACS elective)
6 th Course	Child Development (if offered, or another FACS elective)
7 th Course	Senior Career Pathway Project – Human Services
Career Readiness Indicators	
• ServSafe Manager • ASK Institute – Concepts of Entrepreneurship and Management • Certified Guest Service 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 complete 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 serving 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 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

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

Sequence	Recommended Pathway Courses
1 st Course	Family and Consumer Sciences (required prerequisite)
2 nd Course	Child Services I
3 rd Course	Child Services II
4 th Course	Senior Career Pathway Project – Human Services
Career Readiness Indicators	
• ServSafe Manager • ASK Institute –Concepts of Entrepreneurship and Management	
Workforce Careers	
• 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	

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 adolescents. 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

Sequence	Recommended Pathway Courses
1 st Course	Family and Consumer Sciences (required prerequisite)
2 nd Course	Fashion
3 rd Course	Fashion Design
4 th Course	Senior Career Pathway Project – Human Services
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 Workers • 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 Sciences 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 Sciences Fee: \$25

COSMETOLOGY/BARBERING PROGRAM

Sequence	Recommended Pathway Courses
1 st Course	Introduction to Cosmetology OR Introduction to Barbering (foundation)
2 nd Course	Chemical Services
3 rd Course	Hair Coloring
4 th Course	Salon Practices and Management
5 th Course	Senior Career Pathway Project – Human Services – Cosmetology/Barbering
6 th Course	CTE Lab in Cosmetology/Barbering
Career Readiness Indicators • Natural Hair Styling Licensure • Certified Guest Service Professional	
Potential Workforce Careers • Cosmetologist • Barber • Hair Colorist • Skin Care Specialist • Make Up Artist • Nail Technician • Shampoo Assistant • Salon Owner	

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 basics of chemistry and electricity, properties of the hair and scalp, and chemical texture services. Students also gain initial practical experience in performing various chemical texturing activities. Emphasis is placed on safety, chemical use and handling, hair and scalp analysis, and client consultation. Upon successful completion of this course, students are able to practice safety and sanitary precautions as they perform these chemical services. **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.

NETWORK SYSTEMS AND COMPUTER SERVICES PROGRAM – CYBER SECURITY SPECIALIZATION

Sequence	Recommended Pathway Courses
1 st Course	Foundations of Informational Security
2 nd Course	Principles of Informational Security
3 rd Course	Cyber Forensics
4 th Course	Senior Career Pathway Project –Programming and Software Development
Career Readiness Indicators	
• CompTIA IT Fundamentals • CompTIA Network+ • CompTIA Security+	
Potential Workforce Careers	
• Chief Information Security Officer • Forensic Computer Analyst • Information Security Analyst • Cryptographer • Security Architect • Penetration Tester • IT Security Engineer • Security Systems Administrator • IT Security Consultant	

Foundations of Informational Security – This one-credit course introduces students to the field of Cyber Security. Students will become familiar with Microsoft Windows and Linux Operating Systems. They will learn to use multiple numbering systems and how these systems are used in network addressing and operating system configuration. Students will also gain experience in the areas of vulnerability identification, risk assessment, risk mitigation techniques, WiFi security, IP Addressing, and Informational Ethics. Students must be concurrently enrolled in Algebra I or higher-level math. Prerequisite: None Fee: \$25

Principles of Informational Security – This one-credit course introduces students to computer network systems that are most commonly the focus of attack. Students will build and configure the common elements found on the Internet to include database servers, web servers, and web application servers. Students will be introduced to remote access terminal shells which will be vital toward penetration testing and attack vectors. Prerequisite: Foundations of Informational Security Fee: \$25

Cyber Forensics – Cyber Forensics is a one-credit course designed to provide students with skills involving a hands-on, career-oriented approach to learning enterprise network security that includes practical experiences. This course includes implementation activities using secure networking and computing best practices along with other practical exercises for understanding security standards that govern organizational compliance, risk management, access control, and identity management. Students will learn key concepts and perform exercises that emphasize different aspects of enterprise security in terms of implementation, processes and procedures, and career opportunities. Prerequisites: Foundations of Informational Security and Principles of Informational Security Fee: \$25

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 Fee: \$25

PROGRAMMING AND SOFTWARE DEVELOPMENT PROGRAM

Sequence	Recommended Pathway Courses
1 st Course	Computer Programming Basic I (1/2 credit)
2 nd Course	Information Technology Fundamentals
3 rd Course	Software Development
4 th Course	Choose from among the following courses:
	JAVA Programming
	Introduction to Python-MSIA
	AP Computer Science Principles (Prerequisite: Algebra II with Trig)
	AP Computer Science A (Prerequisite: Software Development OR APCSP)
	Senior Career Pathway Project –Programming and Software Development
Career Readiness Indicators	
<ul style="list-style-type: none"> • Certified Internet Web (CIW) -JavaScript Specialist • Microsoft Technology Associate (MTA) -98-375 HTML5 Application Developer Fundamentals • Microsoft Technology Associate (MTA) -98-361 Software Development Fundamentals • Microsoft Technology Associate (MTA) -98-383 Introduction to Programming using HTML & CSS • Oracle Certified Associate (OCA) -Java Programmer • Microsoft Technology Associate (MTA) -98-388Introduction to Programming using Java • Microsoft Technology Associate (MTA) -98-381Introduction to using Programming using Python • Microsoft Technology Associate (MTA) -98-382Introduction to Programming using JavaScript 	
Potential Workforce Careers	
<ul style="list-style-type: none"> • 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 in grades 10 through 12 to programming concepts using visual objects to develop software applications. It is intended to be a beginning programming course in which students use App Inventor² to learn computational and mathematical ideas, while also learning to think creatively, reason systematically, and work collaboratively. Projects created can be shared online and installed on AndroidTM 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

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 completion 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. Prerequisites/Corequisite: Course(s) fulfilling Algebra II with Trig Requirement Fee: \$25 plus AP exam fee

JAVA Programming – This course is designed to provide students with a conceptual understanding of object-oriented programming. Students learn to use Java language's object-oriented technologies to solve business problems. Prerequisite: None Fee: \$25

Introduction to Python-MSIA – This introductory course focuses on Python language basics such as data types, variables, input, functions, operators, conditional statements, loops, and incrementing. Python data structures such as strings, lists, and range sequences, as well as methods for working with these structures are introduced. Students will use the Python language to develop sustainable code. The Python language will be introduced in a blended learning environment which includes video content, practice labs, and coding projects. Students will learn and practice coding in an online environment that requires only a modern Web browser and Internet access. Special software is not required. Prerequisite: None Fee: \$25

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 Fee: \$25

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

Sequence	Recommended Pathway Courses
1 st and 2 nd Courses	Workforce Essentials (incl. NCCER Core) and Manufacturing 2
3 rd and 4 th Courses	Manufacturing 3 and CTE Lab in Manufacturing
5 th Course	Senior Career Pathway Project – Manufacturing OR Ready to Work
Career Readiness Indicators	
• NCCER Core • MSSC Certified Production Technician	
Potential Workforce Careers	
• 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 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 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 maintenance awareness and practices 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 RELATIONS – 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

Sequence	Recommended Pathway Courses
1 st Course	Career Preparedness
2 nd Course	Marketing Principles (foundation)
3 rd Course	Law in Society (1/2 credit)/Management Principles (1/2 credit)
4 th Course	Business Essentials
5 th Course	Workforce Essentials (or other elective)
6 th Course	Work-based Learning/Cooperative Education (or other elective)
Career Readiness Indicators • Adobe Certified Associate (ACA) – Photoshop • Adobe Certified Associate (ACA) – Dreamweaver • Adobe Certified Associate (ACA) – Flash • Adobe Certified Associate (ACA) – Premier Pro • Adobe Certified Associate (ACA) – InDesign • Adobe Certified Associate (ACA) – Illustrator • ASK Institute – Concepts of Entrepreneurship and Management • IC ³ 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.
Prerequisite: None Fee: \$25

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

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. Prerequisite: None Fee: \$25

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. Prerequisite: Successful Completion of Two Career/Tech Courses 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

Sequence	Recommended Pathway Courses
1 st and 2 nd Courses	Transportation, Distribution and Logistics (foundation) and MLR B
3 rd and 4 th Courses	MLR C and MLR D
5 th and 6 th Courses	MLR A and Automotive Electrical & Electronic Systems 1
Career Readiness Indicators • ASE Student Maintenance and Light Repair • ASE Student Suspension and Steering • ASE Student Brakes • ASE Electrical/Electronic Systems • ASE Student Engine Performance • ASE Electrical/Electronic Systems • ASE Student Engine Repair • ASE Student Automatic Transmission/Transaxle • ASE Student Heating and Air Conditioning • ASE Manual Drive Train and Axles • ASE Automotive Service Technician	
Potential Workforce Careers • Maintenance and Light Repair Technician • Automotive Service Technician • Master Automotive Service Technician	

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

LOGISTICS PROGRAM

Sequence	Recommended Pathway Courses
1 st and 2 nd Courses	Transportation, Distribution and Logistics (foundation) and Introduction to Logistics
3 rd and 4 th Courses	Functional Areas in Logistics and Global Logistics Management
5 th and 6 th Course	Logistics and Supply Chain Management and Senior Career Pathway Project
Career Readiness Indicators	
• MSSC Certified Logistics Technician	
Potential Workforce Careers	
• Logistics Technician • Logistics Specialist • Supply Chain Manager • Dispatcher • Facilities Manager • Event Coordinator • Warehouse Associate • Warehouse Manager • Storage Manager • Warehousing Forklift Operator • Shipping Supervisor • Transportation Manager	

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

TUSCALOOSA CAREER TECHNOLOGY ACADEMY (TCTA) ELECTIVES

All courses at TCTA are one semester/one credit courses unless otherwise noted. **All courses at TCTA have a \$25 course fee unless otherwise noted.**

Bus transportation may be available for students taking career technical education courses taught at the Tuscaloosa Career Technology Academy. Students may be allowed to drive personal vehicles to Tuscaloosa Career Technology Academy pending written parental consent.

TCTA programs link the core academics with careers projected to be in demand for the next ten to twenty years. Each program provides a rigorous and enriching curriculum, actively involving employers and higher education institutions, in readying students for both college and careers, while also providing students with a purpose for continued learning.

Programs provide hands-on activities that require students to problem-solve by making use of the core academics, in particular mathematics, science and English, while developing skills currently noted by business and industry as lacking, including working in teams, problem solving, communication and work ethic.

Students completing a program will earn work-ready credentials that will significantly enhance their portfolios, while also providing an enriched foundation to facilitate advancement in post-secondary studies. Students who maintain a "B" or better average in their chosen academy will be eligible for articulated post-secondary credit and/or preferential points for highly competitive programs.

Students may earn completer status by successfully completing three career and technical education courses in a program or by successfully completing two career and technical education courses in a program along with another course related to the student's career choice.

All TCTA courses may be found at <https://www.tuscaloosacityschools.com/Page/1115>.

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 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-18th 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 political 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 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

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: Creative 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 workshop 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

Elective Lab Course Math - This course is provided for instructional support for students in Geometry with Data Analysis, Algebra I with Probability, and Algebra II with Statistics. Credit for this class period will fall under general electives, not mathematics. Prerequisites: None 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 from the 14th century to the present. 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

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 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 focuses 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 literacy 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. Prerequisite: 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, 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: None

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 be 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: 10th, 11th, or 12th Grade Status 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: 11th or 12th Status and Biology Fee: \$25 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 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. Reading 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 credit(s). Prerequisite: Application 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 Fee: \$25

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 Beginning Kinesiology 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 Beginning Kinesiology 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. Activities are structured to allow each participant to proceed at his or her own pace for optimum development. Activities and skills taught depend upon the availability of equipment and facilities that vary from school to school. Suitable gym clothes should be worn for class activities. Students may take this course in subsequent terms for additional elective credit(s). These courses do not substitute for the required Beginning Kinesiology course. Prerequisite: None 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

Adventure/Cooperative Activities (one credit OR one-half credit) - Orienteering (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; Cycling; Dance (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 Officiating 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 certified official with the Alabama High School Athletic Association at the middle/junior high school level. The prerequisite for this course is Lifelong Individualized Fitness Education (LIFE) or its equivalent. The student must be age 16 or older, or turn age 16 during the academic school year. The teacher of this course must hold current registration as an Alabama High School Athletic Association official (any sport). Prerequisite: Beginning Kinesiology 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

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



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.

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.

Pathways: General Management - Business Information Management - Human Resources Management - Operations Management - Administrative Support

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.

Pathways: Production - Manufacturing Production Process Development - Maintenance, Installation and Repair - Quality Assurance - Logistics and Inventory Control - Health, Safety and Environmental Assurance

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

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 2021-2022 SCHOOL CALENDAR

INSTITUTE.....	AUGUST 5, 2021
PROFESSIONAL DEVELOPMENT DAY.....	AUGUST 6, 2021
PROFESSIONAL DEVELOPMENT DAY.....	AUGUST 7, 2021
TEACHER WORK DAY	AUGUST 10, 2021
TEACHER WORK DAY	AUGUST 11, 2021
SCHOOLS OPEN-FIRST DAY STUDENTS.....	AUGUST 12, 2021
LABOR DAY HOLIDAY	SEPTEMBER 6, 2021
PROFESSIONAL DEVELOPMENT DAY.....	SEPTEMBER 7, 2021
TEACHER WORK DAY	OCTOBER 11, 2021
PROFESSIONAL DEVELOPMENT DAY.....	OCTOBER 12, 2021
VETERANS' DAY HOLIDAY	NOVEMBER 11, 2021
THANKSGIVING HOLIDAYS	NOVEMBER 22-26, 2021
EARLY RELEASE FOR STUDENTS	DECEMBER 17, 2021
WINTER HOLIDAYS – DECEMBER 20, 2021 – DECEMBER 31, 2021	
TEACHERS RETURN – PROFESSIONAL DEVELOPMENT DAY.....	JANUARY 3, 2022
TEACHER WORK DAY	JANUARY 4, 2022
STUDENTS RETURN.....	JANUARY 5, 2022
MARTIN LUTHER KING JR. BIRTHDAY HOLIDAY	JANUARY 17, 2022
PRESIDENT'S DAY (*WEATHER DAY).....	FEBRUARY 21, 2022
SPRING BREAK	MARCH 14-18, 2022
APRIL BREAK (*WEATHER DAY).....	APRIL 15, 2022
EARLY RELEASE FOR STUDENTS	MAY 25, 2022
EARLY RELEASE FOR STUDENTS/LAST DAY FOR STUDENTS	MAY 26, 2022
TEACHER WORK DAY/LAST DAY FOR TEACHERS.....	MAY 27, 2022
MEMORIAL DAY HOLIDAY	MAY 30, 2022