High School Course Selection Guide
for
Thompson High School

2022-2023

Dr. L. Wayne Vickers
Superintendent

Board of Education

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Mr. Derek Henderson, Vice President
Mrs. Jamia Alexander-Williams, Board Member
Mrs. Misty Johnson, Board Member
Dr. John Myrick, Board Member
Teaching and Learning Department

Mr. Mark Gray
Elementary Curriculum and Instruction Coordinator

Dr. Amanda Wilbanks
Chief Academic Officer
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## High School Courses

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The Alabaster City Board of Education does not discriminate on the basis of race, color, religion, national origin, sex, disability or age in any of its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The following persons have been designated to handle inquiries regarding nondiscrimination policies:

Dr. Dorann Tanner, Chief Student Services Officer, Title VI & Title IX (student concerns), dorann.tanner@acsboe.org
Dr. Latanza M. Harrison, Chief Human Resources Officer, Title IX (employee concerns), latanza.harrison@acsboe.org
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Mrs. Lisa Radcliff, Exceptional Education Supervisor, Section 504, lisa.radcliff@acsboe.org

Contact Information: 10111 Highway 119, Alabaster, AL 35007, 205-663-8400
Alabama High School Diploma Requirements

The Alabama High School diploma is standardized for all students in the state of Alabama. ACS offers two additional endorsements to encourage students to challenge themselves with Honors and AP courses. The focus shifts from minimum requirements to comprehensive four-year high school plans.

The following chart outlines graduation credit requirements for graduates in the Class of 2022 and 2023:

<table>
<thead>
<tr>
<th>Areas of Study</th>
<th>Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Language Arts</td>
<td>English 9, 10, 11, and 12 or any AP/IB/postsecondary equivalent option of these courses</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Algebra I/Algebra I w/Probability, Geometry/Geometry w/Data Analysis, and Algebra II w/Trig/Algebra II w/Statistics, or their equivalent. Additional course(s) to complete the four credits in mathematics must be chosen from the Alabama Course of Study: Mathematics or CTE/AP/IB/postsecondary equivalent courses.</td>
<td>4</td>
</tr>
<tr>
<td>Science</td>
<td>Biology and a Physical Science. The third and fourth science credits may be chosen from the Alabama Course of Study: Science or science eligible courses from the CTE/AP/IB/postsecondary equivalent courses.</td>
<td>4</td>
</tr>
<tr>
<td>Social Studies</td>
<td>World History, U.S. History I, U.S. History II, and Government/Economics or AP/postsecondary equivalent courses. *ALSDE Civics Test Requirement – For graduation, students are required to pass the Alabama Civics Test in their US Government class.</td>
<td>4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>LIFE (Personal Fitness) One JROTC credit, one varsity athletics credit, or two years of marching band may be used to meet this requirement.</td>
<td>1</td>
</tr>
<tr>
<td>Health Education</td>
<td>Alabama Course of Study: Health Education</td>
<td>0.5</td>
</tr>
<tr>
<td>Career Preparedness</td>
<td>Career Preparedness Course (Career and Academic Planning, Computer Applications, Financial Literacy)</td>
<td>1</td>
</tr>
<tr>
<td>CTE and/or Foreign Language and/or Arts Education</td>
<td>Students choosing CTE, Arts Education, and/or Foreign Language are encouraged to complete two courses in sequence.</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>2.5</td>
</tr>
<tr>
<td><strong>Total Credits Required for Graduation</strong></td>
<td></td>
<td>24</td>
</tr>
</tbody>
</table>
This chart provides a reference guide to graduation requirements for students in the Class of 2024 and beyond:

<table>
<thead>
<tr>
<th>Areas of Study</th>
<th>Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Language Arts</td>
<td>English 9, 10, 11, and 12 or any AP/IB/postsecondary equivalent option of these courses</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Geometry with Data Analysis, Algebra I with Probability (Accelerated Grade 8 cannot be substituted but Accelerated 7 and Accelerated 8 combined is the equivalent*), Algebra II with Statistics, 1 -2 Specialized Courses. Additional specialized course(s) to complete the four credits in mathematics must be chosen from the Alabama Course of Study: Mathematics or CTE/AP/postsecondary equivalent courses.</td>
<td>4</td>
</tr>
<tr>
<td>Science</td>
<td>Biology and a Physical Science The third and fourth science credits may be chosen from the Alabama Course of Study: Science or science eligible courses from the CTE/AP/postsecondary equivalent courses.</td>
<td>4</td>
</tr>
<tr>
<td>Social Studies</td>
<td>World History, U.S. History I, U.S. History II, and Government/Economics or AP/postsecondary equivalent courses. *ALSDE Civics Test Requirement – For graduation, students are required to pass the Alabama Civics Test in their US Government class.</td>
<td>4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Beginning Kinesiology One JROTC credit, one varsity athletics credit, or two years of marching band may be used to meet this requirement.</td>
<td>1</td>
</tr>
<tr>
<td>Health Education</td>
<td>Alabama Course of Study: Health Education</td>
<td>0.5</td>
</tr>
<tr>
<td>Career Preparedness</td>
<td>Career Preparedness Course (Career and Academic Planning, Computer Applications, Financial Literacy)</td>
<td>1</td>
</tr>
<tr>
<td>CTE and/or Foreign Language and/or Arts Education</td>
<td>Students choosing CTE, Arts Education, and/or Foreign Language are encouraged to complete two courses in sequence.</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>2.5</td>
</tr>
<tr>
<td><strong>Total Credits Required for Graduation</strong></td>
<td></td>
<td><strong>24</strong></td>
</tr>
</tbody>
</table>

*Taking Accelerated Math 7 and Accelerated Math 8 in middle school does not earn one of the four math credits required for a high school diploma. Students must take four math courses in high school.

Based on our current schedule of 7 periods per day, students earn a half (.5) credit per semester long course to equal one (1) credit per year long course.

\[
.5 \text{ Credit} = 1 \text{ Semester} \\
1 \text{ Credit} = 2 \text{ Semesters (Full Year)}
\]
To meet the needs of all students, the Alabaster City School System offers the Alabama High School Diploma with two different endorsements. Students will have the opportunity to choose the Alabama High School Diploma with Advanced Academic Endorsement or Advanced Academic Endorsement with Honors. The chart below distinguishes between the two different endorsements.

<table>
<thead>
<tr>
<th>ACS Advanced Academic Endorsement (26 credits)</th>
<th>ACS Advanced Academic Endorsement with Honors (26 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Must meet all requirements for an Alabama diploma</td>
<td>• Must meet all requirements for an Alabama diploma</td>
</tr>
<tr>
<td>• One Foreign Language Credit</td>
<td>• Two Foreign Language Credits (of the same language)</td>
</tr>
<tr>
<td>• Algebra II with Trig or Algebra II with Trig, Honors or Algebra II with Statistics, Honors</td>
<td>• One higher math (Pre-Calculus, Honors Pre-Calculus, AP or dual enrollment math, or AP Computer Science course)</td>
</tr>
<tr>
<td>• 2 Semesters of AP or dual enrollment</td>
<td>• Chemistry</td>
</tr>
<tr>
<td>• Must earn 26 credits</td>
<td>• 6 Semesters of AP or dual enrollment</td>
</tr>
<tr>
<td></td>
<td>• Must maintain a GPA of 3.2</td>
</tr>
<tr>
<td></td>
<td>• Must earn 26 credits</td>
</tr>
<tr>
<td></td>
<td>• Valedictorians/Salutatorians must qualify for this endorsement</td>
</tr>
</tbody>
</table>

**Challenging Courses for Secondary Students**

Alabaster City Schools offers advanced coursework for students in middle and high school. These courses are labeled as Honors or AP. An AP designation signifies that the courses follow the guidelines and recommendations set forth by the College Board. This coursework requires students to engage in independent and analytical assignments. The AP program is the national standard for academic rigor and college readiness, providing high school students with the opportunity to take college-level courses in a high school setting. AP courses provide the level of rigor that prepares students for postsecondary success.

These courses follow prescribed curricula and standards set forth by a postsecondary institution. Students interested in taking college-level courses in high school should take Honors classes in preparation for taking AP or dual enrollment classes, but completion of Honors courses is not required to take AP or dual enrollment courses.

Honors and AP courses are recommended for academically driven and prepared students. Typically, these courses offer deeper commitment to critical thinking, independent learning, collaborative work, and individual initiative. Honors and AP teachers in Alabaster City Schools receive appropriate training and professional development, when available, to teach the content
using the most engaging teaching practices. **Any student considering postsecondary education is strongly encouraged to take Honors, AP, dual enrollment, or equivalent courses in high school.**

**Dual Enrollment and Early College**

Through partnerships with Jefferson State Community College, Lawson State Community College, The University of South Alabama, and The University of Alabama, students may earn college credit while also earning credit at Thompson High School. Students pay tuition as set and required by the college. Some courses may be available as early as 10\textsuperscript{th} grade.

In order to be eligible to receive credits toward graduation through dual enrollment, students must:

1. Meet college entrance requirements and submit an application
2. Have an overall GPA of 3.0 or higher
3. Obtain written approval from the College Counselor

The table below lists dual enrollment courses that are usually offered by Thompson High School. See the college counselor for a full list of dual enrollment courses along with their college equivalency. *Course availability is subject to change.*

In most cases, high school credit will be awarded when college credit is earned. For example, if a student earns college credit for English 101, one (1) high school English credit is also earned. Students may only apply dual enrollment credits towards the credits required for graduation, provided they follow the dual enrollment course pathways established by the Alabama State Department of Education. There is no limit to the amount of college credit that may be earned.

<table>
<thead>
<tr>
<th>Dual Enrollment Course Title</th>
<th>College Equivalency</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGLISH</strong></td>
<td></td>
</tr>
<tr>
<td>English Composition I and II</td>
<td>ENG 101/102</td>
</tr>
<tr>
<td><strong>MATH</strong></td>
<td></td>
</tr>
<tr>
<td>Precalculus Algebra</td>
<td>MTH 112</td>
</tr>
<tr>
<td>Precalculus Trigonometry</td>
<td>MTH 113</td>
</tr>
<tr>
<td>Calculus I</td>
<td>MTH 125S</td>
</tr>
<tr>
<td><strong>SCIENCE</strong></td>
<td></td>
</tr>
<tr>
<td>Introduction to Biology I and II</td>
<td>BIO 101/102</td>
</tr>
<tr>
<td>Principles of Biology I and II</td>
<td>BIO 103/104</td>
</tr>
<tr>
<td><strong>ELECTIVES</strong></td>
<td></td>
</tr>
<tr>
<td>Emergency Medical Technician</td>
<td>EMS 118/119</td>
</tr>
<tr>
<td>Emergency Medical Technician Clinical</td>
<td></td>
</tr>
<tr>
<td>General Psychology</td>
<td>PSY 200</td>
</tr>
<tr>
<td>Fundamentals of Oral Commu</td>
<td>SP 106</td>
</tr>
<tr>
<td>nication</td>
<td></td>
</tr>
<tr>
<td>Electric Circuits/Intro to Robotics</td>
<td>ELM 200/AUT 116</td>
</tr>
<tr>
<td>Music Appreciation</td>
<td>MUS 101</td>
</tr>
</tbody>
</table>
Class Ranking and Grade Point Average

Class rank is determined by ranking each student’s overall grade point average within the graduating class. In order to determine recognition as valedictorians and salutatorians at graduation, class ranking is computed at the end of the first semester of their senior year. Students who do not meet this qualification until the end of senior year will have that recognition on their transcripts by June 1 but will not be recognized at graduation. The grade point average (GPA) is computed using the following:

<table>
<thead>
<tr>
<th>Regular Courses</th>
<th>Honors Courses (Quality Points + 1.0)</th>
<th>AP Courses (Quality Points + 1.5)</th>
<th>Dual Enrollment Courses (Quality Points + .75 per semester)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A = 4.0</td>
<td>A = 5.0</td>
<td>A = 5.5</td>
<td>A = 4.75</td>
</tr>
<tr>
<td>B = 3.0</td>
<td>B = 4.0</td>
<td>B = 4.5</td>
<td>B = 3.75</td>
</tr>
<tr>
<td>C = 2.0</td>
<td>C = 3.0</td>
<td>C = 3.5</td>
<td>C = 2.75</td>
</tr>
<tr>
<td>D = 1.0</td>
<td>D = 2.0</td>
<td>D = 2.5</td>
<td>D = 1.75</td>
</tr>
<tr>
<td>F = 0.0</td>
<td>F = 0.0</td>
<td>F = 0.0</td>
<td>F = 0.0</td>
</tr>
</tbody>
</table>

Rank-in-class is an indication of the student’s academic standing in relation to that of the other students in the class. Grades in the identified course levels shall be weighted and grade point averages determined. The procedures for ranking students are as follows:

1. Tentative rank will be made at the end of the eleventh grade. Final rank is determined at the end of senior year, but rank for graduation order is determined at the end of first semester of senior year.
2. Letter grades (A, B, C, D, and F) for all subjects will be used in computing the grade point average.
3. All students within a grade level shall be included in determining class rank.
4. Transfer students arriving with Honors/AP course credit will receive the weight they received at their former school for Honors/AP courses. The student’s transcript will not be recalculated by Thompson High School.
5. Transfer students completing Honors/AP courses at THS will be given weight for Honors/AP courses taken at THS even if the former school did not give weight. This may change the GPA.
6. Students in Advanced Placement courses are expected to complete the AP Exam for all courses in which they are enrolled. Failure to complete an AP Exam will result in the loss of the quality points added to the GPA for that course and the completion of a teacher-made final exam that will count toward the student’s second semester grade.

Valedictorian and Salutatorian Selection

To be considered for valedictorian or salutatorian, the student must receive the Alabama High School Diploma with Advanced Academic Endorsement with Honors. ACS will recognize multiple valedictorians and salutatorians with the announcement made in early spring of the students’ senior year. The requirements for valedictorian will be any eligible student who earns a 4.0 and above, and salutatorian will be any student who earns a 3.8-3.99. The student with the highest grade point average will be recognized as the top valedictorian of the graduating class. In order to be the top valedictorian, the student must be enrolled at Thompson High School for both junior and senior years.
Commencement Participation/Senior Activities

Students who receive a diploma or a graduation certificate as prescribed in their IEP shall participate in the graduation ceremony. Traditional education students who do not meet the requirements of graduation may not participate in the graduation ceremony itself or any other activity where the cap and gown are worn. They may, however, participate in all other related events (e.g. senior breakfast, prom, etc.).

Grade Placement

Grade 9 (Freshman) — Successful completion of middle school
Grade 10 (Sophomore) — Successful completion of 6 credits
Grade 11 (Junior) — Successful completion of 12 credits
Grade 12 (Senior) — Successful completion of 18 credits

Dropping and Adding Courses

Students and parents should make every effort to select and request appropriate courses during the course selection/registration process each spring. The master schedules for all students are determined by early summer based on student requests, so changing course requests after early summer is not easily accommodated. After the published deadlines have passed, any student wanting to drop and/or add a course should see the school counselor. All course changes beyond the published deadlines will require administrative approval and may incur a fee.

Credit Awarded Prior to High School

Eighth grade students may earn high school credit for the following board approved courses: Spanish I, Symphonic Band I, Concert Band I, Men’s Chorus I, Women’s Chorus I, Dance I, and Visual Arts I. Pending ALSDE approval, students may earn high school credit for Orchestra I taken in eighth grade. Please note Algebra I credit will be awarded only for the Classes of 2022-2025. The general rules on courses taken and credits earned prior to ninth grade are as follows:

1. The course must be taken in eighth grade and will become part of the student’s high school transcript.
2. The course must follow the Alabama Course of Study guidelines and include high school content and rigor. The course must be taught by a certified teacher.
3. The course cannot supersede required courses.
4. Middle school students earning high school credits from non-accredited settings will follow the same guidelines as high school students attempting to transfer courses. Validation is required.
5. Students may be allowed to repeat one of these courses in the 9th grade if satisfactory progress is not made; however, the grade earned in 8th grade will stand for the student’s transcript and grade point average (GPA). Decisions will be made on a case by case basis.
Online Courses

See Champions Virtual Academy Manual for specific information on virtual school. High school students are allowed to take online classes if eligibility requirements are met. Eligibility for taking online courses is determined by the following procedures:

General Eligibility Requirements
• Reside in the city limits of Alabaster, Alabama
• Be highly responsible in time management, organization, self-direction, and self-regulation
• Maintain consistent, daily access to the Internet (minimum 1.5 Mbps)
• Have access to a compatible computer/device, either a personally owned computer or Warrior Device Initiative Chromebook
• Be a rising 6th through 12th grade student
• Have consistent transportation to and from the student’s assigned school for mandatory state testing and other required attendance events
• Have no expulsions or suspensions and no Class II or higher disciplinary infractions as defined by the ACS Code of Conduct and Attendance Elementary, Middle, & High Schools from the previous academic year (or semester if applying at mid-year)
• Have no more than 3 full day unexcused absences from the previous academic year (or semester if applying at mid-year).

Academic Eligibility Requirements
• For the previous academic year (or semester if applying at mid-year):
  ○ Have an average of 75 or greater in every class (rising 6-9)
  ○ Have a GPA of 2.5 or greater (rising 10-12)
  ○ Have no credit deficiencies in required courses (rising 10-12)
  ○ Be on track to graduate with their cohort (rising 9-12)
  ○ Earn a College and Career Ready Indicator prior to graduation (rising 10-12)
Credit Restrictions

Prerequisites
Any course that lists prerequisites should follow the stated sequence. Concurrent classes may be considered on a case by case basis.

Duplicate Credit
In accordance with the Alabama Administrative Code Rule 290-3-1-.02 (8) (d) 1, a student cannot earn credit towards graduation for a course that duplicates the course content for which credit has already been awarded.

Subsumed Credit
In accordance with the Alabama Administrative Code, Rule 290-3-1-.02 (8) (d) 2, a student cannot earn credit towards graduation for a course with content that is subsumed (included) by a course for which credit has already been awarded. Therefore, if a student does take a subsumed course, credit will not be awarded.

Additional Credit Guidelines
A student may earn more than seven credits in a calendar year which includes the regular academic year plus the following summer. This includes credits earned in the regular school program, summer school program, distance learning program, or online programs. All school system procedures for each program must be strictly followed. Approval must be received from the principal prior to beginning any of these programs. Careful scheduling and consideration must be followed when approving additional credits. Credits earned must be reasonable.

Continuous Attendance for Graduation
Except in case of bona fide change of residence or other circumstances equally valid for making an exception, a student is not to be graduated from high school unless he/she has been in continuous attendance therein during the entire high school year immediately preceding the date of graduation. If so desired, a local board of education may require students residing within its attendance zone and transferring from a non-accredited school setting to attend its school(s) for two (2) entire school years immediately preceding the date of graduation. In the event of the transfer from one school to another of a twelfth grade student who wishes to become a candidate for graduation at the end of the year, the school receiving the student should require approval in writing of the transfer and the student’s candidacy for graduation from the principal of the school from which the student has withdrawn. The letter of approval together with any necessary memoranda should be filed with the transcript of the student’s record from the discharging school. In case of doubts as to procedure or appropriate action in such case, either or both of the principals of the schools concerned should discuss the matter with the State Department of Education.

Alabama Administrative Code, Chapter 290-3-1-.02-(8. 1) (h-i)
Accredited Schools, Non-Accredited Schools, and Home School

Transfers from Accredited Schools and Home Schools
Students transferring from accredited public, non-public, or home schools will have all credits and current class/grade placement accepted upon receipt of their official transcript(s) without validation. The Alabama State Department of Education and the U.S. Department of Education recognize the following accrediting agencies:

- Middle States Association of Colleges and Schools
- New England Association of Schools and Colleges
- North Central Association of Colleges and Schools
- Western Association of Schools and Colleges
- Northwest Accreditation Commission
- Southern Association of Colleges and Schools Council on Accreditation and School Improvement
- Cognia (AdvancED)

A complete list of schools accredited by these agencies can be viewed by visiting their websites.

Transfers from Non-Accredited Schools and Home Schools
Public or non-public schools that are accredited by any other accrediting program or agency from those listed above are considered to be non-accredited schools. Appropriate credit/placement of students transferring from non-accredited schools shall be determined by utilizing placement tests, nationally standardized tests, and official records. All students transferring from non-accredited homeschoools will be administered placement tests. Elective courses are transferred without validation. All transfer students must meet the local Board of Education graduation requirements.

Home School Students
When a student enters or re-enters a public school setting, the guardian will be required to provide documentation of the school years enrolled in a home school program, courses completed, and grading information. If the student is entering as a high school student and attempting to transfer credits, ACS will follow procedures based on whether the home school was accredited or non-accredited.

Placement Tests Procedures
After the principal verifies that a student has transferred from a non-accredited school or home school, the following procedures must be followed:

1. Administrator or counselor explains the following to parents:
   - Placement tests that will be required (language arts, math, social studies, and science)
   - The ALCOS serves as the study guide for the tests
   - The tests will only be administered once

   After explaining the testing process to parents, the administrator or counselor administers the placement test to the student at the local school. Tests will be administered as follows:
   - Administer eighth grade test to incoming ninth grade students
● Administer ninth grade tests to incoming tenth grade students
● Administer tenth grade tests to incoming eleventh grade students
● Administer eleventh grade tests to incoming twelfth grade students

*Note: Teachers and classified employees cannot administer placement tests.*

2. An administrator or counselor scores the assessment to determine placement. A score of 60 or higher will indicate that the student has passed a course. The passing transfer grades will become part of the student’s high school transcript.

3. An administrator or counselor completes the High School Placement Test Documentation Form. The form will be attached to the test documents and kept on file in the student's cumulative folder. At the end of the school year, the documentation form will be kept in the cumulative folder, but the test documents must be destroyed (shredded).

4. An administrator or counselor notifies the parent/guardian of the results and makes necessary adjustments to the student's transcript and placement.
Alabama High School Athletics Association (AHSAA) Eligibility:

Academic Rule

The updated Bylaws/Eligibility Handbook for the Alabama High School Athletic Association can be located at www.ahsaa.com.

NCAA Information for Prospective College Student-Athletes

All prospective student-athletes intending to enroll in an NCAA Division I or II institution must register with the NCAA Clearinghouse at the end of their 11th grade year. Please visit www.ncaaclearinghouse.net for detailed information and instructions.

Courses approved by the NCAA as core courses are designated with the symbol.

ACS provides this information to the best of its ability, but the NCAA has the final authority on the courses they accept.

Nondiscrimination Policy

The Alabaster City Board of Education does not discriminate on the basis of race, color, religion, national origin, sex, disability or age in any of its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The following persons have been designated to handle inquiries regarding nondiscrimination policies:

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Dr. Latanza M. Harrison, Chief Human Resources Officer, Title IX (employee concerns), latanza.harrison@acsboe.org
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Contact Information: 10111 Highway 119, Alabaster, AL 35007, 205-663-8400
Thompson High School Course Selection Guide

High School Courses

Note: Courses and course codes are subject to change.
Core Academic Classes:
English Language Arts, Math, Science, Social Studies
English Language Arts

English 9
Course Code 01001G1000
1 credit; No fee

The purpose of this course is to expose students to a variety of fundamental learning opportunities that focus on the development of literature appreciation through critical thinking strategies, grammar enhancement, communication building, reading proficiency, writing analysis, and oral presentation skills. This course satisfies the state requirement for one of the four English credits needed for graduation. Summer reading is required, and information will be provided in the spring prior to 9th grade.

English 9, Honors
Course Code 01001H1000
1 credit; No fee

This accelerated paced course will help prepare students for Advanced Placement English Language or Advanced Placement English Literature. Honors English provides students with experiences to enrich and expand their acquisition of grammar and communication skills, appreciation of literature and selected classics, organization and presentation of ideas and concepts, and development of critical thinking skills as demonstrated through analytical writing while cultivating a variety of individual writing styles. This course satisfies the state requirement for one of the four English credits needed for graduation. Summer reading is required, and information will be provided in the spring prior to 9th grade.

English 10
Course Code 01002G1000
1 credit; No fee

This course covers Early American Literature (pre-1900) through reading, writing, grammar, and vocabulary activities. In addition, students will interact with expository texts frequently. This course satisfies the state requirement for one of the four English credits needed for graduation. Summer reading is required, and information will be provided in the spring prior to 10th grade.
English 10, Honors

Course Code 01002H1000
1 credit; No fee

This accelerated pace course covers Early American Literature (pre-1900) through reading, writing, grammar, and vocabulary activities. In addition, students will interact with expository texts frequently. This course provides skills for literary analysis of readings, as well as advanced composition that will prepare students for Advanced Placement English Language or Advanced Placement English Literature. This course satisfies the state requirement for one of the four English credits needed for graduation. Summer reading is required, and information will be provided in the spring prior to 10th grade.

English 10, Honors with AP Seminar

Course Code 01002H1000 and 22110E1000
2 credits (English 10, Honors first semester & AP Seminar second semester); Exam fee required

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. The standards for AP Seminar will be embedded into English 10 Honors for students who wish to begin the AP Capstone pathway in the 10th grade.

English 11

Course Code 01003G1000
1 credit; No fee

Contemporary American Literature (1900-present) will be analyzed with strong emphasis on writing styles. Vocabulary expansion, comprehension, and word recognition are emphasized in reading activities. This course coordinates literature, composition, grammar, and vocabulary through representative readings from historical documents, essays, dramas, short stories, and novels of significant American writers. This course satisfies the state requirement for one of the four English credits needed for graduation. Summer reading is required, and information will be provided in the spring prior to 11th grade.
**English 11, Advanced**

*Course Code* 01003E1000  
1 credit; No fee

This accelerated pace course covers Contemporary American Literature (1900-present) with strong emphasis on vocabulary and composition integration. Vocabulary expansion, comprehension, and word recognition are emphasized in reading activities. This course provides skills for rhetorical analysis of readings, as well as advanced composition that will prepare students for Advanced Placement English Literature. This college preparatory course satisfies the state requirement for one of the four English credits needed for graduation. Summer reading is required, and information will be provided in the spring prior to 11th grade.

**English 11, AP Language & Composition**

*Course Code* 01005H1000  
1 credit; Course & exam fee required

English 11, AP Language and Composition is a college-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for English. The course engages students in becoming skilled writers who compose for a variety of purposes and guides students in becoming skilled readers of prose written in a variety of rhetorical contexts, with extensive writing of compositions. Students are required to take the AP exam. This course satisfies the state requirement for one of the four English credits needed for graduation. Summer reading is required, and information will be provided in the spring prior to 11th grade.

**English 12**

*Course Code* 01004G1000  
1 credit; No fee

This course is a survey of classical British Literature from the Anglo-Saxon period to the Modern Age. In addition, students will explore and analyze expository text and engage in critical listening, speaking, reading, and writing activities designed to integrate the strands of the language arts and further develop thinking and problem-solving abilities. This course satisfies the state requirement for one of the four English credits needed for graduation. Summer reading is required, and information will be provided in the spring prior to 12th grade.

**English 12, Advanced**

*Course Code* 01004E1000  
1 credit; No fee

This accelerated pace course covers a survey of British Literature from the Anglo-Saxon period to the Modern Age. Students will engage in critical listening, speaking, reading, and writing activities with a strong emphasis on vocabulary. This course satisfies the state requirement for one of the four English credits needed for graduation. Summer reading is required, and information will be provided in the spring prior to 12th grade.
**English 12, AP Literature & Composition**

Course Code 01006H1000
1 credit; Course & exam fee required

English 12, AP Literature and Composition is a college-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for English. This course engages students in the careful reading and critical analysis of imaginative literature from several genres and periods from the sixteenth to the twenty-first century accompanied by extensive writing of compositions. Students are required to take the AP English Literature and Composition Exam. This course satisfies the state requirement for one of the four English credits needed for graduation. Summer reading is required, and information will be provided in the spring prior to 12th grade.

**Dual Enrollment English Composition I and II (ENG 101 and ENG 102)**

Course Codes 01999C1001 & 01999C1002
1 credit per course; Tuition and books required

Dual enrollment English Composition consists of two semester long college-level advanced courses following the curriculum established by Jefferson State Community College. Both courses must be completed with a 70 or higher to receive 11th and 12th grade English credits. English 101 is a prerequisite for 102. Students pay tuition to the college for this course and are responsible for the purchase of books.
# Mathematics

NOTE: All students will take a math course each year – 9th through 12th grades.

## Suggested Pathways

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<thead>
<tr>
<th>Rising 9th Grade – Class of 2026</th>
<th>2021-2022 8th Grade</th>
<th>2022-2023 9th Grade</th>
<th>2023-2024 10th Grade</th>
<th>2024-2025 11th Grade</th>
<th>2025-2026 12th Grade</th>
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</thead>
<tbody>
<tr>
<td>Math 8</td>
<td>Geometry with Data Analysis or Geometry with Data Analysis, Honors</td>
<td>Algebra I with Probability or Algebra I with Probability, Honors</td>
<td>Algebra II with Statistics or Algebra II with Statistics, Honors</td>
<td>Algebra with Finance, Applications of Finite Mathematics, Pre-Calculus, Pre-Calculus Honors, Dual Enrollment Pre-Calculus, AP Statistics, or AP Computer Science Principles</td>
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<tr>
<td>Math 8</td>
<td>Geometry with Data Analysis or Geometry with Data Analysis, Honors AND Algebra I with Probability or Algebra I with Probability, Honors*</td>
<td>Algebra II with Statistics or Algebra II with Statistics, Honors</td>
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<td>AP Calculus AB or BC, AP Statistics, AP Computer Science Principles, or Dual Enrollment Calculus</td>
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<tr>
<td>Accelerated Math 8</td>
<td>Geometry with Data Analysis, Honors</td>
<td>Algebra II with Statistics, Honors</td>
<td>Pre-Calculus, Honors or Dual Enrollment Pre-Calculus**</td>
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<td>OR</td>
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*Students may take Geometry with Data Analysis and Algebra I with Probability simultaneously for the purpose of advancing to higher level math courses beyond Pre-Calculus in their senior year.

**Students may choose to enroll in AP Statistics in addition to a Pre-Calculus class.
### Rising 10th Grade – Class of 2025

| 2021-2022  
9th Grade | 2022-2023  
10th Grade | 2023-2024  
11th Grade | 2024-2025  
12th Grade |
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<tr>
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</tr>
<tr>
<td>Geometry with Data Analysis or Geometry with Data Analysis, Honors AND Algebra I with Probability or Algebra I with Probability, Honors</td>
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*Students may choose to take AP Statistics in addition to Pre-Calculus*
### Rising 11th Grade – Class of 2024

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<th>2023-2024 12th Grade</th>
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<tbody>
<tr>
<td>Algebra I with Probability</td>
<td>Algebra II with Statistics or Algebra II with Statistics, Honors</td>
<td>Algebra with Finance, Applications of Finite Mathematics, Pre-Calculus, AP Computer Science Principles</td>
</tr>
<tr>
<td>Algebra I with Probability, Honors</td>
<td>Algebra II with Statistics, Honors</td>
<td>Pre-Calculus Honors, Applications of Finite Mathematics, AP Statistics, AP Computer Science Principles, or Dual Enrollment Pre-Calculus</td>
</tr>
<tr>
<td>Algebra II with Statistics</td>
<td>Pre-Calculus or Dual Enrollment Pre-Calculus <em>Students may choose to take AP Statistics in addition to Pre-Calculus</em>* OR Applications of Finite Mathematics Or AP Statistics</td>
<td>AP Calculus AB or BC, AP Statistics, AP Computer Science Principles, Dual Enrollment Calculus, or Applications of Finite Mathematics</td>
</tr>
<tr>
<td>Algebra II with Statistics, Honors</td>
<td>Pre-Calculus Honors or Dual Enrollment Pre-Calculus *Students may choose to take AP Statistics in addition to Pre-Calculus</td>
<td>AP Calculus AB or BC, AP Statistics, AP Computer Science Principles, Dual Enrollment Calculus</td>
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### Rising 12th Grade – Class of 2023

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<tbody>
<tr>
<td>Algebra II with Statistics</td>
<td>Algebra with Finance, Applications of Finite Mathematics, Pre-Calculus</td>
</tr>
<tr>
<td>Algebra II with Statistics, Honors</td>
<td>Pre-Calculus Honors, Applications of Finite Mathematics, AP Statistics, AP Computer Science Principles, Dual Enrollment Pre-Calculus</td>
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<td>Pre-Calculus or Dual Enrollment Pre-Calculus</td>
<td>AP Calculus AB or BC, AP Statistics, AP Computer Science Principles, Dual Enrollment Calculus, Applications of Finite Mathematics</td>
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<td>Applications of Finite Mathematics</td>
<td>Pre-Calculus, Dual Enrollment Pre-Calculus, AP Statistics, AP Computer Science Principles, Algebra with Finance</td>
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<tr>
<td>AP Statistics</td>
<td>Dual Enrollment Pre-Calculus, Pre-Calculus Honors, Pre-Calculus, Application of Finite Mathematics, AP Computer Science Principles</td>
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<tr>
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Geometry with Data Analysis
Course Code 02073G1000
1 credit; No fee; Prerequisite – Math 8, Accelerated Math 8

Geometry with Data Analysis builds on the students’ experiences in the middle grades. It is the first of three required courses in high school mathematics, providing a common Grade 9 experience for all students entering high-school-level mathematics.

In Geometry with Data Analysis, students incorporate knowledge and skills from several mathematics content areas, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study. In the content area of Geometry and Measurement, students build on and deepen prior understanding of transformations, congruence, similarity, and coordinate geometry concepts. Informal explorations of transformations provide a foundation for more formal considerations of congruence and similarity, including development of criteria for triangle congruence and similarity. An emphasis on reasoning and proof throughout the content area promotes exploration, conjecture testing, and informal and formal justification. Students extend their middle school work with conjecturing and creating informal arguments to more formal proofs in this course.

In the content area of Algebra and Functions, students perform algebraic calculations with specific application to geometry that build on foundations of algebra from Grades 7 and 8. In the Data Analysis, Statistics, and Probability content area, students build from earlier experiences in analyzing data and creating linear models to focus on univariate quantitative data on the real number line (shape, center, and variability) and bivariate quantitative data on a coordinate plane (creating linear models).
**Geometry with Data Analysis, Honors**

**Course Code** 02073H1000  
1 credit; No fee; Prerequisite – Math 8, Accelerated Math 8

*Geometry with Data Analysis* is a newly-designed course which builds on the students’ experiences in the middle grades. It is the first of three required courses in high school mathematics, providing a common 9th grade experience for all students entering high-school-level mathematics.

In *Geometry with Data Analysis*, students incorporate knowledge and skills from several mathematics content areas, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study. In the content area of **Geometry and Measurement**, students build on and deepen prior understanding of transformations, congruence, similarity, and coordinate geometry concepts. Informal explorations of transformations provide a foundation for more formal considerations of congruence and similarity, including development of criteria for triangle congruence and similarity. An emphasis on reasoning and proof throughout the content area promotes exploration, conjecture testing, and informal and formal justification. Students extend their middle school work with conjecturing and creating informal arguments to more formal proofs in this course.

In the content area of **Algebra and Functions**, students perform algebraic calculations with specific application to geometry that build on foundations of algebra from Grades 7 and 8. In the **Data Analysis, Statistics, and Probability** content area, students build from earlier experiences in analyzing data and creating linear models to focus on univariate quantitative data on the real number line (shape, center, and variability) and bivariate quantitative data on a coordinate plane (creating linear models).

**Algebra I with Probability**

**Course Code** 02052G1000  
1 credit; No fee; Prerequisite – Geometry with Data Analysis, any level (Students who took Algebra I in 8th grade or Accelerated Math 7 and Accelerated Math 8 will not take this course.)

Algebra I with Probability builds upon algebraic concepts studied in the middle grades. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. This is one of three courses required for all students. Students can obtain the essential content from this course either by taking the course after completing Geometry with Data Analysis in Grade 9 or by completing the middle school accelerated pathway of Accelerated Math 7 and Accelerated Math 8 (or having completed Algebra I in 8th grade).

Algebra I with Probability emphasizes functions including linear (as introduced in Grades 7 and 8), absolute value, quadratic, and exponential; and functions as explicit (relation between input and output) and recursive (relation between successive values). Properties of algebra are applied to convert between forms of expressions and to solve equations (factoring, completing the square,
rules of powers, and radicals). Graphing is an important component of study in Algebra I with Probability. Graphs of equations and inequalities consist of all points (discrete or continuous) whose ordered pairs satisfy the relationship within the domain and range. Students find points of intersection between two graphed functions that correspond to the solutions of the equations of the two functions, and transform graphs of functions (through translation, reflection, rotation, and dilation) by performing operations on the input or output.

Probability is important because it educates one in the logic of uncertainty and randomness, which occur in almost every aspect of daily life. Therefore, studying probability structures will enhance students’ ability to organize information and improve decision-making. The study of probability undergirds the understanding of ratio and proportion in algebra and encourages inferential reasoning about the likelihood of real-life events. Categorical data are represented as marginal and conditional distributions. Parallels are drawn between conditions and events in probability and inputs and outputs of functions.

Algebra I with Probability, Honors
Course Code 02052H1000
1 credit; No fee; Prerequisite – Geometry with Data Analysis, any level (Students who took Algebra I in 8th grade or Accelerated Math 7 and Accelerated Math 8 will not take this course.)

Algebra I with Probability builds upon algebraic concepts studied in the middle grades. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. This is one of three courses required for all students. Students can obtain the essential content from this course either by taking the course after completing Geometry with Data Analysis in Grade 9 or by completing the middle school accelerated pathway of Accelerated Math 7 and Accelerated Math 8 (or having completed Algebra I in 8th grade).

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conditional distributions. Parallels are drawn between conditions and events in probability and inputs and outputs of functions.

**Algebra with Finance**

**Course Code** 02155G1000

1 credit; No fee; Prerequisite – Algebra II with Statistics, any level

Algebra with Finance is a course that integrates algebra, pre-calculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics that are taught at a higher level. Students are encouraged to use a variety of problem-solving skills and strategies in real-world contexts, and to question outcomes using mathematical analysis and data to support their findings. The course offers students multiple opportunities to use, construct, question, model, and interpret financial situations through symbolic algebraic representations, graphical representations, geometric representations, and verbal representations. Math concepts and skills are applied through study and problem-solving activities in workforce situations in the following areas: banking, investing, employment and income taxes, automobile ownership and operation, mathematical operations, consumer credit, independent living, and retirement planning and budgeting.

**Algebra II with Statistics**

**Course Code** 02056G1000

1 credit; No fee; Prerequisite – Algebra I/Algebra I with Probability and Geometry/Geometry with Data Analysis, any level

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

In Algebra II with Statistics, students incorporate knowledge and skills from several mathematics content areas, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study. In the content area of Algebra and Functions, students explore an expanded range of functions, including polynomial, trigonometric (specifically sine and cosine), logarithmic, reciprocal, radical, and general piecewise functions. Students also solve equations associated with these classes of functions. In the content area of Data Analysis, Statistics, and Probability, students learn how to make inferences about a population from a random sample drawn from the population and how to analyze cause-and-effect by conducting randomized experiments. Students are introduced to the study of matrices in the Number and Quantity content area.
A focus on mathematical modeling and real-world statistical problem-solving is included across the course. It is essential for students to use technology and other mathematical tools such as graphing calculators, online graphing software, and spreadsheets to explore functions, equations, and analyze data.

**Algebra II with Statistics, Honors**

**Course Code** 02056H1000

1 credit; No fee; Prerequisite – Algebra I/Algebra I with Probability and Geometry/Geometry with Data Analysis, any level

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

In Algebra II with Statistics, students incorporate knowledge and skills from several mathematics content areas, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study. In the content area of Algebra and Functions, students explore an expanded range of functions, including polynomial, trigonometric (specifically sine and cosine), logarithmic, reciprocal, radical, and general piecewise functions. Students also solve equations associated with these classes of functions. In the content area of Data Analysis, Statistics, and Probability, students learn how to make inferences about a population from a random sample drawn from the population and how to analyze cause-and-effect by conducting randomized experiments. Students are introduced to the study of matrices in the Number and Quantity content area.

A focus on mathematical modeling and real-world statistical problem-solving is included across the course. It is essential for students to use technology and other mathematical tools such as graphing calculators, online graphing software, and spreadsheets to explore functions, equations, and analyze data.

**Applications of Finite Mathematics**

**Course Code** 02136G1000

1 credit; No fee; Prerequisite – Algebra II with Trigonometry/Algebra II with Statistics, any level

Applications of Finite Mathematics is a specialized course 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. Students who are interested in postsecondary programs of study that do not
require calculus (such as elementary and early childhood education, English, history, art, music, and technical and trade certifications) would benefit from choosing Applications of Finite Mathematics as their fourth high school mathematics credit. It may also be a useful supplemental course for students pursuing a career in computer science. This course is an important non-calculus option that presents mathematics as relevant and meaningful in everyday life. Its objective is to help students experience the usefulness of mathematics in solving problems that are frequently encountered in today’s complex society.

Finite mathematics includes areas of study that are critical to the fast-paced growth of a technologically advancing world. The wide range of topics in Applications of Finite Mathematics includes logic, counting methods, information processing, graph theory, election theory, and fair division, with an emphasis on relevance to real-world problems. Logic includes recognizing and developing logical arguments and using principles of logic to solve problems. Students are encouraged to use a variety of approaches and representations to make sense of advanced counting problems, then develop formulas that can be used to explain patterns. Applications in graph theory allow students to use mathematical structures to represent real-world problems and make informed decisions. Election theory and fair division applications also engage students in democratic decision-making so that they recognize the power of mathematics in shaping society.

**Pre-Calculus**

**Course Code** 02110G1000

1 credit; No fee; Prerequisite – Algebra II with Trigonometry/Algebra II with Statistics, any level

Pre-Calculus is a course designed for students who have successfully completed the Algebra II with Trigonometry/Algebra II with Statistics course. This course is considered to be a prerequisite for success in calculus and college mathematics. Algebraic, graphical, numerical, and verbal analyses are incorporated during investigations of the Pre-Calculus content standards. Parametric equations, polar relations, vector operations, conic sections, and limits are introduced. Content for this course also includes an expanded study of polynomial and rational functions, trigonometric functions, and logarithmic and exponential functions. Application-based problem solving is an integral part of the course. Instruction should include appropriate use of technology to facilitate continued development of students’ higher-order thinking skills.

**Pre-Calculus, Honors**

**Course Code** TBA

1 credit; No fee; Prerequisite – Algebra II with Trigonometry/Algebra II with Statistics, any level

Pre-Calculus, Honors is an advanced course designed for students who have successfully completed the Algebra II with Trigonometry/Algebra II with Statistics course. This course is considered to be a prerequisite for success in calculus and college mathematics. Algebraic, graphical, numerical, and verbal analyses are incorporated during investigations of the Pre-Calculus content standards. Parametric equations, polar relations, vector operations, conic sections, and limits are introduced. Content for this course also includes an expanded study of polynomial and rational functions, trigonometric functions, and logarithmic and exponential functions. Application-based problem solving is an integral part of the course. Instruction should
include appropriate use of technology to facilitate continued development of students’ higher-order thinking skills.

**Dual Enrollment Pre-Calculus Algebra (MTH 112) and Pre-Calculus Trigonometry (MTH 113)**

*Course Codes* 02999C1002 and 02999C1003

1 credit per course; Tuition and books required

**Prerequisite** – Algebra I/Algebra I with Probability, Geometry/Geometry with Data Analysis, Algebra II with Statistics, any level, and must meet dual enrollment entrance requirements

Dual enrollment Pre-Calculus consists of two consecutive semester-long college-level advanced courses following the curriculum established by Jefferson State Community College. Students will take Math 112 (Pre-Calculus Algebra) during the fall semester, and they may take Math 113 (Pre-Calculus Trigonometry) during the spring semester. Students pay tuition to the college for these courses. Prerequisite high school courses along with dual enrollment requirements must be met for enrollment in the courses.

**AP Calculus AB**

*Course Code* 02124E1000

1 credit; Course & exam fee required; Prerequisite – Pre-Calculus, any level

AP Calculus AB is a course that is structured around three concepts: limits, derivatives, and integrals and the Fundamental Theorem of Calculus. Algebraic, numerical, and graphical representations are emphasized throughout the course. Students should have completed a solid foundation of mathematical courses that include, algebra, geometry, trigonometry, and functions before taking this course. Students must be familiar with the properties, graphs, and language of linear, polynomial, rational, exponential, logarithmic, and trigonometric functions in order to be successful with this course. Students are required to take the AP exam. If students make a qualifying score on the AP exam, they may receive the equivalent of college Calculus I credit.

**AP Calculus BC**

*Course Code* 02125E1000

1 credit; Course & exam fee required; Prerequisite – Pre-Calculus, any level

AP Calculus BC is a course that is structured around four concepts: limits, derivatives, integrals and the Fundamental Theorem of Calculus, and series. AP Calculus BC explores the three main concepts of AP Calculus AB in additional contexts and adds one more concept – series. Algebraic, numerical, and graphical representations are emphasized throughout the course. Students should have completed a solid foundation of mathematical courses that include, algebra, geometry, trigonometry, and functions before taking this course. Students must be familiar with the properties, graphs, and language of linear, polynomial, rational, exponential, logarithmic, and trigonometric functions in order to be successful with this course. This course moves at a much faster pace than the AP Calculus AB course. Students are required to take the AP exam and may
receive college credit for Calculus I and II if they make qualifying scores on the two-part exam.

**AP Statistics**

**Course Code** 02203E1000
1 credit; Course and exam fee required; Prerequisite – Algebra II with Trigonometry/Algebra II with Statistics, any level

AP Statistics is a college-level advanced course approved by the College Board Advanced Placement (AP) Program for statistics focusing on introductory, non-calculus-based topics that introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are required to take the AP exam.

**Dual Enrollment Calculus I (MTH 125S)**

**Course Code** 02999C1005
1 credit; Tuition and books required; Prerequisite – Algebra I/Algebra I with Probability, Geometry/Geometry with Data Analysis, Algebra II with Statistics, any level, and must meet dual enrollment entrance requirements

Dual enrollment Calculus I consists of one semester-long college-level advanced course following the curriculum established by Jefferson State Community College. Students pay tuition to the college for this course. Prerequisite high school courses along with dual enrollment requirements must be met for enrollment in the courses.
Science

Biology
Course Code 03051G1000
1 credit; Lab fee required

Biology covers biology core content standards including scientific process and application skills; cell processes; cell theory; photosynthesis and cellular respiration; genetics; classification; plants; animals; ecology; and biogeochemical cycles. This course fulfills the biology graduation requirement.

Biology, Honors
Course Code 03051H1000
1 credit; Lab fee required

Biology, Honors covers advanced work in the biology core content standards including scientific process and application skills; cell processes; cell theory; photosynthesis and cellular respiration; genetics; classification; plants; animals; ecology; and biogeochemical cycles. This course fulfills the biology graduation requirement.

AP Biology
Course Code 03056E1000
1 credit; Course and exam fee required; Prerequisite – Chemistry, any level

AP Biology is a college-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for biology addressing topics such as scientific process and application skills; molecules; cells; heredity; evolution; organisms; and populations. Students are required to take the AP exam. AP Biology is an appropriate course for 10th, 11th, or 12th grade students.

Human Anatomy and Physiology, Honors
Course Code 03053G1000
1 credit; Course fee required; Prerequisite – Chemistry, any level

Anatomy and Physiology covers topics including the scientific process and application skills; anatomical terminology; structure and function of cells, tissues, and body systems; biochemistry; and system regulation and integration. This elective course is appropriate for 11th or 12th grade students.
Environmental Science

**Course Code** 03003G1000
1 credit; Course fee required; Prerequisite – Physical Science or Chemistry, any level

Environmental Science covers topics 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; and composition and erosion of soil. Environmental Science is appropriate for 11th or 12th grade students.

AP Environmental Science

**Course Code** 03207E1000
1 credit; Course and exam fee required; Prerequisite – Physical Science or Chemistry, any level

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for environmental science; scientific process and application skills; earth systems and resources; the living world; population; land and water; energy resources and consumption; pollution; global change. AP Environmental Science is appropriate for 11th or 12th grade students.

Physical Science

**Course Code** 03159G1000
1 credit; Lab fee required; Prerequisite – Biology, any level

Physical science is a course that provides work in topics such as the 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; and metric units. This course fulfills the physical science graduation requirement.

Earth and Space Science

**Course Code** 03008G1000
1 credit; Lab fee required; Prerequisite – Biology and a Physical Science, any level

The Earth and Space Science course content focuses on a comprehensive application of all disciplines of science and is based upon the biologically active nature of our ever-changing planet and the integration of systems that constantly evolve. In an effort to encourage students to pursue careers in the fields of science, technology, engineering, and mathematics (STEM), this course incorporates the scientific and engineering practices that reflect the scientific processes used by scientists. The scientific and engineering practices are implemented through a student centered, laboratory-intensive, collaborative classroom environment. This course is appropriate for 11th or 12th grade students.
Chemistry
Course Code 03101G1000
1 credit; Lab fee required; Prerequisite – Biology, any level

Chemistry covers chemistry core content standards including scientific process and application skills; matter classification; carbon chains; periodic table; solutions; kinetic theory; stoichiometry; ideal gases; physical and chemical changes; and chemical and nuclear reactions. This course fulfills the physical science graduation requirement.

Chemistry, Honors
Course Code 03101H1000
1 credit; Lab fee required; Prerequisite – Biology, any level

Chemistry, Honors covers advanced chemistry core content standards including scientific process and application skills; matter classification; carbon chains; periodic table; solutions; kinetic theory; stoichiometry; ideal gases; physical and chemical changes; and chemical and nuclear reactions. This course fulfills the physical science graduation requirement.

AP Chemistry
Course Code 03106E1000
1 credit; Course & exam fee required; Prerequisite-Chemistry & Algebra II with Statistics, any level

AP Chemistry is a college-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for chemistry addressing topics such as atomic theory and structure; chemical bonding; nuclear chemistry; gases; liquids and solids; solutions; reaction types; stoichiometry; equilibrium; kinetics; and thermodynamics. Students are required to take the AP exam. AP Chemistry is a course for 11th or 12th grade students.

Physics, Honors
Course Code 03151H1000
1 credit; Lab fee required; Co-requisite/Prerequisite – Algebra II with Statistics; Prerequisite - Chemistry, any level

Physics covers physics core content standards including scientific process and application skills; linear, circular, and projectile motion; momentum; planetary motion; quantitative relationships; thermodynamics; wave behavior; light; electrical, magnetic, and gravitational forces; and electricity. Physics is appropriate for 11th or 12th grade students.
**AP Physics I**

*Course Code* 03165E1000

1 credit; Course & exam fee required; Prerequisite – Chemistry & Algebra II with Statistics, any level

AP Physics I is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion. Students are required to take the AP exam. AP Physics I is appropriate for 11th or 12th grade students.

**AP Physics II**

*Course Code* 03166E1000

1 credit; Course and exam fee required; Prerequisite – AP Physics I

AP Physics II is an algebra-based, introductory college-level physics course that 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, and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Students are required to take the AP exam. AP Physics II is appropriate for 12th grade students.

**Forensic Science and Crime Scene Investigation**

*Course Code* 15055G1000

1 credit; Lab fee required; Prerequisite – Biology, a Physical Science, Geometry with Data Analysis, Algebra I with Probability (or equivalent), any level

*May be counted as a science course for graduation credit (Grades 11 or 12) or a CTE course if the student is enrolled in the Law Enforcement pathway. This class may not count for both a science credit and CTE credit.*

Forensic Science and Crime Scene Investigation teaches students to apply chemistry, physics, and biology to a suspect, a criminal act or behavior, or a victim. This course prepares students in two distinct concentrations. The Forensic Science portion focuses on working in a crime lab setting as a forensic scientist or technician. Crime Scene Investigations covers the application of the scientific method at a crime scene, including scene processing and the identification and collection of evidence.
Dual Enrollment Introduction to Biology I and II (BIO 101/102)

Course Code TBA
1 credit; Tuition and books required;
Prerequisite – Must meet dual enrollment entrance requirements

Introduction to Biology I is the first of a two-course sequence designed for non-science majors. It covers historical studies illustrating the scientific method, cellular structure, bioenergetics, cell reproduction, Mendelian and molecular genetics, and a survey of human organ systems. Introduction to Biology II is the second of a two-course sequence for non-science majors. It covers evolutionary principles and relationships, environmental and ecological topics, classification, and a survey of biodiversity.

Dual enrollment Introduction to Biology consists of two semester long consecutive courses following the curriculum established by Jefferson State Community College. Students pay tuition and books to the college for this course. Prerequisite high school courses along with dual enrollment requirements must be met for enrollment in the courses.

Dual Enrollment Principles of Biology I and II (BIO 103/104)

Course Code TBA
1 credit; Tuition and books required;
Prerequisite – Must meet dual enrollment entrance requirements

Principles of Biology I is an introductory course for science majors. It covers physical, chemical, and biological principles common to all organisms. These principles are explained through a study of cell structure and function, cellular reproduction, basic biochemistry, cell energetics, the process of photosynthesis, and Mendelian and molecular genetics. Also included are the scientific method, basic principles of evolution, and an overview of the diversity of life with emphasis on viruses, prokaryotes, and protists. Principles of Biology II is the second of a two-course sequence for science majors. It covers the basic ecological and evolutionary relationships of plants and animals and a survey of plant and animal diversity including classification, morphology, physiology, and reproduction.

Dual enrollment Principles of Biology consists of two semester long consecutive courses following the curriculum established by Jefferson State Community College. Students pay tuition and books to the college for this course. Prerequisite high school courses along with dual enrollment requirements must be met for enrollment in the courses.
Social Studies

**World History: 1500 to Present**
Course Code 04053G1000
1 credit; No fee

This course explores historical development from 1500 to the present, concentrating on the personalities, the ideas and events that have shaped the modern era in Europe, the Western world, Africa, and Asia. Geographic impact, development of civic knowledge/responsibilities, and emerging economic systems within a chronological context are emphasized. This course is for 9th graders.

**World History: 1500 to Present, Honors**
Course Code 04053H1000
1 credit; No fee

This course explores the same topics as World History and Geography since 1500, but it has a stronger emphasis on critical thinking and examination of historical texts. The additional workload will include more reading and writing assignments. This course is highly recommended for students who are considering AP US History in their sophomore year. This course is for 9th graders.

**AP World History: Modern**
Course Code 04057E1000
1 credit; Course and exam fee required

AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. This course is for 9th graders.

**United States History I: Beginnings to the Industrial Revolution**
Course Code 04102G1000
1 credit; No fee

This course is the first half of a comprehensive two-year study of American history and geography. In tenth grade, students study the historic development of American ideas and institutions from the Age of Exploration and Discovery to the turn of the century. While focusing on political and economic history, students will examine American culture through a chronological survey of major issues, movements, people, and events in United States and Alabama history. This course is for 10th graders.
**U.S. History I: Beginnings to the Industrial Revolution, Honors**
Course Code 04102H1000
1 credit; No fee

This course is the first half of a comprehensive two-year study of American history and geography. US History I, Honors provides advanced work in the chronological survey of major events and issues: colonization; American Revolution; development of political system and distinct culture; slavery; reform movements; sectionalism; Civil War; Reconstruction; Alabama's history and geographic changes that have influenced aspects of life during and after events. This course is for 10th graders.

**United States History II: Industrial Revolution to the Present**
Course Code 04103G1000
1 credit; No fee

Eleventh grade U.S. History focuses on twentieth century America and beyond. Knowledge and understanding gained during previous years of study provide the foundation for the critical analysis required in this course. In the eleventh grade, students cover the historic development of American ideas and institutions from the turn of the century to the current day. Students will focus on political and economic history and examine our American culture through a survey of major issues, movements, people, and events in United States and Alabama history. This course is for 11th graders.

**U.S. History II: Industrial Revolution to the Present, Honors**
Course Code 04103H1000
1 credit; No fee

United States History II, Honors provides advanced work in the chronological survey of major events and issues: industrialization; Progressivism; foreign policy; World War I; the Great Depression; World War II; post-war United States; contemporary United States; Alabama's history and geographic changes that have influenced aspects of life during and after events. This course is for 11th graders.

**AP United States History**
Course Code 04104E1000
1 credit; Course and exam fee required

AP United States History is a college-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for United States history. Students are required to take the AP exam at the end of the course. This course is for 11th graders.
**U.S. Government**  
**Course Code** 04151G0500  
.5 credit; No fee

Government presents topics relating to the origins, functions, and branches of the U. S. government including representative democracy; federalism; political/civic life; analysis of the Constitution, Bill of Rights, and other relevant documents; and foreign policy. This course is for 12th graders. *Per ALSDE, students must pass the Alabama Civics Test at the end of the course to be eligible for graduation.*

**U.S. Government, Honors**  
**Course Code** 04151H0500  
.5 credit; No fee

Government, Honors presents advanced work in topics relating to the origins, functions, and branches of the U. S. government including representative democracy; federalism; political/civic life; analysis of the Constitution, Bill of Rights, and other relevant documents; and foreign policy. This course is for 12th graders. *Per ALSDE, students must pass the Alabama Civics Test at the end of the course to be eligible for graduation.*

**AP U.S. Government & Politics**  
**Course Code** 04157E1000  
.5 credit; Course and exam fee required

AP U.S. Government & Politics is a college-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for U.S. Government and Politics. Students are required to take the AP Exam. This course is for 12th graders. *Per ALSDE, students must pass the Alabama Civics Test at the end of the course to be eligible for graduation.*

**Economics with embedded Career Prep B**  
**Course Code** 04201G0500  
.5 credit; No fee

Economics presents the basic elements of economics including comparative economic systems and economic theories; role of the consumer; business and labor issues; functions of government structure of the U. S. banking system; role of Federal Reserve Bank. This course is for 12th graders.
Economics, Honors with embedded Career Prep B
Course Code 04201H0500
.5 credit; No fee

Economics, Honors provides advanced work in the basic elements of economics including comparative economic systems and economic theories; role of the consumer; business and labor issues; functions of government; structure of U. S. banking system; role of Federal Reserve Bank. This course is for 12th graders.

AP Microeconomics with embedded Career Prep B
Course Code 04203E1000
.5 credit; Course and exam fee required

AP Microeconomics is a college-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for microeconomics including basic economic concepts; the nature and functions of product markets; factor markets; market failure and the role of government. Students are required to take the AP Exam. This course is for 12th graders.
Physical Education & Health

Beginning Kinesiology
Course Code 08017G1000
1 credit; Lab fee required

Beginning Kinesiology is the physical education course required for graduation. It is a stand-alone course which encompasses the basic concepts of athletics and fitness, and introduces students to the basic physiological, psychological, sociological, and mechanical principles of human movement. Students will be empowered to make choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime. It is highly recommended that students take Beginning Kinesiology in Grade 9. It is the prerequisite for all physical education elective courses.

Varsity Athletics with embedded Beginning Kinesiology
Course Code per the specific sport
1 credit; Lab fee required

Varsity Athletics is a restricted elective course only for high school athletes. This course offers development of skills and personal potential for student athletes interested in improving their performance or preparing for further competition at the collegiate or professional level. The standards address more than the sport itself. Coaches will assist athletes in learning and achieving higher levels of performance and physical literacy.

Strength and Conditioning
Course Code 08005G1000
1 credit; Lab fee required; Prerequisite – Beginning Kinesiology

Strength and Conditioning is an 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. The variety of exercises, techniques, and equipment used will allow students to experience many ways to exercise and “work out.” Students will learn how to create their own health and fitness plans to work toward specific health, fitness, and career goals.

Life Sports: Individual, Dual, and Team
Course Code 08003G1000
1 credit; Lab fee required; Prerequisite – Beginning Kinesiology

Life Sports is an elective course that gives students basic knowledge of individual, dual, and team sports. Students will progressively learn skills and game strategies for each sport, as well as
historical background and terminology. These sports/activities promote good health and wellness, and encourage students to participate in physical activity for life.

**Sports Officiating**

**Course Code** 08019G1000  
1 credit; Lab fee required; Prerequisite – Beginning Kinesiology; student must be 16 or turn 16 during the school year

Sports Officiating is an elective course that focuses on the professional philosophy and professional requirements for officiating athletic contests in volleyball, football, wrestling, basketball, soccer, baseball, softball, and track and field. Upon completion of the course, students will be offered the option of taking certification exams for any of the sport components in order to become a restricted certified official with the Alabama High School Athletic Association (AHSAA) at the middle/junior high school level.

**Health Education**

**Course Code** 08051G0500  
.5 credit; No fee

Health Education includes recent and reliable information on the promotion of wellness, the reduction of health risks, the prevention of disease, and the management of health problems. Students will be afforded the opportunity to make responsible decisions concerning their own personal health and the health of others and to develop and demonstrate a positive lifestyle of knowledge, attitudes, and behaviors. This course meets the standards set in the state course of study for the Health graduation requirement.
Electives

Career Preparedness A (can be taken online)
Course Code 22153G0512
.5 credit; Lab fee required
This course is embedded in several foundational Career Technical courses taught on campus. See the Career Technical course list for specific classes.

The course prepares students with knowledge and skills in the areas of career development and academic planning and computer skill application. This course is a prerequisite to Career Preparedness-B. The required 20-hour online experience can be met by successfully completing both Career Preparedness A and Career Preparedness B.

Career Preparedness B (can be taken online)
Course Code 22153G0522
.5 credit; Lab fee required
This course is embedded in all Grade 12 economics courses with the exception of online courses.

The course prepares students with knowledge and skills in the areas of career development and academic planning and financial literacy. The prerequisite for this course is Career Preparedness-A. The required 20-hour online experience can be met by successful completion of both Career Preparedness A and Career Preparedness B.

All students must take both Career Preparedness A and B as a graduation requirement.
AP Seminar
Course Code 22110E1000
1 credit; Course and exam fee required

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. **This course cannot count as one of the 4 required English credits.**

AP Research
Course Code 22112E1000
1 credit; Course fee required; Prerequisite - AP Seminar

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. **This course cannot count as one of the 4 required English credits.**

ACT Prep
Course Code 23992X1000
.5 credit; Lab fee required

This course provides students necessary test-taking skills and content knowledge to aid in improving their ACT scores and will include diagnostic testing, direct instruction, and practice ACT tests.

Psychology
Course Code 04254G1000
.5 credit; No fee

Psychology presents the history of psychological inquiry; methods of scientific research; human
development; sensation and perception; motivation and emotion; states of consciousness; social psychology, cognition; intelligence and assessment; personality theories; stress; and mental disorders and treatments. This course is available to 11th and 12th grade students only.

**AP Psychology**

**Course Code** 04256E1000

1 credit; Course and exam fee required

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for psychology. The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas. This course is available to 11th and 12th grade students only.

**Dual Enrollment General Psychology (PSY 200)**

**Course Code** 04999C1018

1 credit; Tuition and books required

General Psychology is a one-semester survey of behavior with an emphasis on psychological processes. This course includes the biological bases of behavior, thinking, emotion, motivation, and the nature and development of personality. Students pay tuition and books to the college for this course. This course is available to 10th - 12th grade students.

**Sociology**

**Course Code** 04258G1000

.5 credit; No fee

Sociology presents topics including culture and society; social inequalities; social institutions; and social change. This course is available to 11th and 12th grade students only.

**Dual Enrollment Fundamentals of Oral Communication (SP106)**

**Course Code** 11999C1003

1 credit; Tuition and books required

This course is a one-semester performance course that includes the principles of human
communication: intrapersonal, interpersonal, and public. It surveys current communication theory and provides practical application. Students pay tuition and books to the college for this course. This course is available to 10th - 12th grade students.

**Yearbook**
Course Code 11104X1000
1 credit; No fee; application required

The course produces Warrior, the student yearbook publication. Students are selected for this course based on their applications.

**Mythology Literature I**
Course Code 01069G1000
1 credit; Fee required

This elective class introduces students to the mythology and fables of Greece, Rome, Egypt, Mesopotamia, China, Japan and India. This course is appropriate for students in 10th - 12th grade. **Mythology cannot count as one of the 4 required English credits.**

**Mythology Literature II**
Course Code 01099G1000
1 credit; Fee required; Prerequisite – Mythology Literature I

This elective class continues study of mythology for students who successfully complete Mythology Literature I. This course provides an in-depth study of the great works of mythology such as Homer’s *The Iliad* and *The Odyssey* and Virgil’s *Aeneid*. This course is appropriate for students in 11th-12th grade. **Mythology cannot count as one of the 4 required English credits.**

**Creative Writing**
Course Code 01104G0500, 01104G1000
.5 credit or 1 credit; Fee required

This class provides students opportunities to write creative, original works of prose, poetry and drama. Students will learn to critically evaluate their own work and the works of others. Students may submit their works for publication and competitions. This course is appropriate for students in 9th-12th grade. **Creative Writing cannot count as one of the 4 required English credits.**

**Film vs. Novel**
Course Code 01099G1000
1 credit; Fee required

This course is designed to provide a compare and contrast to famous novels that have been made
into films. We will look at the different aspects that go into converting written literature into a screenplay. We will look at classic literature, as well as modern literature and film. ACT prep will be used for literature such as passages from famous works. There will be extensive reading and writing with an emphasis on the AP writing models and ACT model. Film vs. Novel cannot count as one of the 4 required English credits.

**Linguistics**

Course Code 01099G1000

.5 credit or 1 credit; Fee required

This course provides many ways for students to practice the five strands that compose the English language arts: reading, writing, listening, speaking, and the study of language itself as a topic. The areas of concentration will be phonetics, morphology, language acquisition, and sociolinguistics. **Linguistics cannot count as one of the 4 required English credits.**

**Spanish & International Cultures Overview**

Course Code 24099E1000

.5 credit; Fee required

This elective course will focus on understanding, experiencing, and comparing Spanish speaking cultures around the world. It will also introduce a variety of other international cultures. Students will be introduced to basic listening, writing, reading, and speaking skills in Spanish that will assist them in daily situational contexts. **This course can count toward a .5 world language credit.**

**Oral Communication**

Course Code 01155G1000

.5 credit; Fee required

This elective course will be a comprehensive communications course that will address public speaking, rhetorical strategies, presentations (both verbal and visual/digital), social cues, and skills for job interviews. Students will also learn the importance of developing a positive and effective online presence (e.g. social media platforms). **Communication cannot count as one of the 4 required English credits.**

**Cooperative Education**

Course Code 22998G1014, 22998G1024, 22998G1034, 22998G1044

1 credit each; Lab fee required; Prerequisite – Students must have completed at least 1 CTE course or Career Preparedness A&B

A one-credit work-based experience requiring a minimum of 140 continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.
**Robotics Team**

Course Code 22994X1002  
1 credit; Lab fee required

This one-credit course is designed for students on the Thompson High School Robotics Club/Team. Students will be working with VEX robots and programming software. These students will be expected to participate in robotics competitions. **This course does not count as a CTE course or science course.**

**Driver Education**

Course Code 08152G1000  
.5 Credit; Fee required; Prerequisite – Students must have their driver’s permit

The Driver Education program is designed to give students the opportunity to develop good driving skills. The primary emphasis is behind the wheel experience and safety practices. The course also includes a classroom phase which includes a boater safety course and safe driving theory. Students must log 200 hours of real-time driving with a parent or guardian outside of class, so it is essential that students already have their driver’s permit before taking the course.

**Ready to Work**

Course Code 22152G1001  
1 Credit; Fee required; Seniors only; not a CTE course

Students go through AIDT soft skills training. Soft skills are personal attributes that influence how well students work and interact with others. Additionally students will focus on communication, workplace behavior, personal money management, and other skills necessary for work and personal success. Students will also learn about specific, local industries such as the manufacturing, healthcare, automotive, and hospitality industries with employer presentations, industry tours, and virtual tours.

**Introduction to Art History**

Course Code 05151G1000  
.5 credit; Lab fee required

This course is designed for students interested in the development and history of visual arts (painting, sculpture, architecture). It does not include the actual creation of artwork. Students will study objects of art and consider them within their time period. They will also analyze the
authorial origins of artwork, including who created a particular piece, when, where, and for what reason. Another major part of art history is analyzing the symbolism in artwork. For instance, students will identify the visual elements of an object and interpret its meaning based on the timeframe in which it was created. This course may count as a fine arts .5 credit.

**Dual Enrollment Music Appreciation (MUS 101)**

Course Code TBA

1 credit; Tuition and books required

This course is designed for non-music majors and requires no previous musical experience. It is a survey course that incorporates several modes of instruction including lecture, guided listening and similar experiences involving music. The course will cover a minimum of three stylistic periods, provide a multicultural perspective, and include both vocal and instrumental genres. Upon completion, students should be able to demonstrate a knowledge of music fundamentals, the aesthetic/stylistic characteristics of historical periods, and an aural perception of style and structure in music. This course is available to 10th - 12th grade students.
Thompson High School
Fine Arts Academies &
World Languages Academy
Fine Arts Academy: Dance Concentration

**Dance I with embedded Beginning Kinesiology**

**Course Code** 05003G10D1  
1 credit

Dance I is a performance based class dedicated to the study and performance of multiple dance genres such as: ballet, jazz, hip hop, contemporary, lyrical, and more. This class is a beginner level for those who have little to no dance experience. Recital performances are a requirement of this class. This course is appropriate for 9<sup>th</sup> through 12<sup>th</sup> grade students.

**Dance II with embedded Beginning Kinesiology**

**Course Code** 05003G10D2  
1 credit; Prerequisite – Dance I or teacher recommendation; audition may be required

Dance II is a performance based class dedicated to the study and performance of multiple dance genres such as: ballet, jazz, hip hop, contemporary, lyrical, and more. This class is an intermediate level for those who have taken Dance I or have had experience in a dance class. Selection is by placement audition and/or teacher recommendation. Recital performances are a requirement of this class. This course is appropriate for 9<sup>th</sup> through 12<sup>th</sup> grade students.

**Dance III with embedded Beginning Kinesiology**

**Course Code** 05003G1003  
1 credit; Prerequisite – Dance II or teacher recommendation; audition may be required

Dance III is a performance based class dedicated to the study and performance of multiple dance genres such as: ballet, jazz, hip hop, contemporary, lyrical, and more. This class is an advanced level class for those who have taken Dance II or have a great deal of dance experience. Selection is by placement audition and/or teacher recommendation. Recital performances are a requirement of this class. This course is appropriate for 9<sup>th</sup> through 12<sup>th</sup> grade students.

Fine Arts Academy: Theatre Concentration

**Theatre I**

**Course Code** 05052G1001  
.5 credit; Lab fee required

Theatre I helps students learn all about the fundamentals of theatre, mostly acting, to build skills for further study in theatrical arts as well as life. Students will learn the techniques of oral interpretation for theatre as well as public speaking. Development of basic movement, pantomime, voice and diction, comedic and dramatic acting, and technical skills are the basis of this course. This course is appropriate for 9<sup>th</sup> through 12<sup>th</sup> grade students.
**Theatre II**

**Course Code** 05052G1002  
1 credit; Lab fee required; Prerequisite – Theatre I or approval of the instructor

Theatre II - Production emphasizes directing and acting techniques, lighting, sound, make-up, stage setting, interpretive skills, and leadership development in theatre. Reading, reviewing, and producing plays, skits, and small shows are the focus of this course. Students will produce a one-act play to showcase to the community. Students will have the opportunity to participate in theatrical productions throughout the school year, as well as work on the technical crew for THS production. This course is appropriate for 10th through 12th grade students.

**Theatre III**

**Course Code** 05052G1003  
1 credit; Lab fee required; Prerequisite – Theatre II and audition

Theatre III – Acting is designed for advanced students placing emphasis on acting, directing, casting, blocking, sound and lighting techniques, set design and production organization. Students are required to be a part of theatrical competitions and participate in theatrical productions throughout the school year as well as auditioning for each theatre production. **An audition process conducted by the instructor is a prerequisite for this course.** This course is appropriate for 11th or 12th grade students.

**Acting Technique (Theatre IV)**

**Course Code** 05053G1002  
1 credit; Lab fee required; Prerequisite – Theatre III; audition is required

Acting Technique is an advanced theatrical course which includes the detailed study of directing and performing including method acting techniques and script interpretation and production organization. Students will also participate in several scholarship audition opportunities with colleges and universities. Students are required to be a part of theatrical competitions and participate in theatre productions throughout the year. **An audition process conducted by the instructor is a prerequisite for this course.** This course is appropriate for 12th grade students.

**Technical Theatre Production**

**Course Code** 05056G1001  
1 credit; Lab fee required; Prerequisite – Theatre II

Technical Theatre Production focuses on the fundamentals of technical theater and theatrical production. Students are taught the basic techniques of theatrical set design, costume design, lighting design, set construction, set painting, stage management, general theater maintenance, and scene shop organization. Students will demonstrate their knowledge by designing all aspects of a show. **This course requires that students work with inherently dangerous power tools, power saws, and additional theatrical production equipment and supplies.** This course is appropriate for 11th or 12th grade students.
**Acting for the Camera**  
**Course Code** 05055G1002  
1 credit; Lab fee required; Prerequisite – Theatre I

This advanced course introduces the theory and technique of acting for film and video, focusing on differences between stage acting and acting for the camera. Scenes and commercials are enacted and played back on video for class critiquing. This course will be a partner class with the TV Production program. Students will be required to pursue roles in student and independent films. This course is appropriate for 10th through 12th grade students.

**Musical Theatre I**  
**Course Code** 05060G1001  
1 credit; Lab fee required; audition may be required

This one credit course, proficient level, 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 theatre and perform solo, duo, and group musical theatre works.

**Fine Arts Academy: Music Concentration**

**Choral**

**Introduction to Men’s Chorus I and Women’s Chorus I**  
**Course Code** 05111G10M1, 05111G10W1  
1 credit; Lab fee required

The Women’s and Men’s Concert Choirs are a prerequisite for Mixed Chorus, Harmonettes, Harmaniacs, and Madrigals. These courses are designed to give students an opportunity to experience the joy of singing together, and to provide an opportunity for individual growth and development through the choral experience. Students will learn a variety of songs, from unison to two and three part singing with an emphasis placed on vocal and choral development. They will also learn basic theory concepts of music and sight reading. Performances are required. This course is appropriate for 9th through 12th grade students.
**Women’s Chorus II-V**

**Course Code** 05111G10W2, 05111G10W3, 05111G10W4, 05111G10W5  
1 credit; Lab fee required; Prerequisite – Women’s Chorus I and teacher recommendation or audition

Women’s Chorus II-V is for students who have had previous choir experience and are ready for quality high school choral literature and ready to further their knowledge in the field of music. These intermediate to advanced level courses are designed for students with previous choral experience to continue 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 continue to develop basic vocal skills and sight-reading techniques. Students qualify for Women’s Chorus by teacher recommendation or audition. Performances are required. This course is appropriate for 9th through 12th grade students.

**Vocal Ensemble (Harmonettes and Harmaniacs) I-V**

**Course Code** 05111G10A1, 05111G10A2, 05111G10A3, 05111G10A4, 05111G10A5  
1 credit; Lab fee required; Prerequisite – Chorus I and selection by the director

Harmonettes and Harmaniacs are groups of advanced singers who are selected through the process of a voice audition, sight singing ability, academic excellence, overall good attitude, and ambition to work hard in the group as well as their other academics. The focus is on four-part acapella music for women/men primarily of the Barbershop style while helping to build a strong sense of confidence in their personal vocal abilities, as well as stage presence. Performances are required. This course is appropriate for 10th through 12th grade students.

**Show Choir**

**Course Code** 05121G1001  
1 credit; Lab fee required; Prerequisite – Chorus I and selection by the director

Show choir is a musical ensemble that combines choral singing with choreographed dance, often with an overarching theme. Students will explore a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop vocal skills, choreography and movement, and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these popular vocal style experiences to historical relevance, contemporary issue, and self-reflection.

**Chamber Choir (Madrigals)** will transition to an extra-curricular opportunity for interested students. Student should contact the choir director for more information.
# Instrumental Music & Visual Ensemble

## Fine Arts: Instrumental Music

### Concert Ensembles

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Audition Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concert Band I-V</td>
<td>Entry Level Ensemble</td>
<td>No</td>
</tr>
<tr>
<td>Symphonic Band I-V</td>
<td>Intermediate Ensemble</td>
<td>Yes</td>
</tr>
<tr>
<td>Wind Ensemble I-V</td>
<td>Advanced Ensemble</td>
<td>Yes</td>
</tr>
<tr>
<td>Thompson Philharmonic (Orchestra I)</td>
<td>Entry Level Ensemble</td>
<td>No</td>
</tr>
</tbody>
</table>

### Additional Specialty Courses

*Students must be enrolled in a concert ensemble in order to take an additional specialty course listed below.*

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Audition Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Band Tech I-IV</td>
<td>Individual practice/chamber music opportunities</td>
<td>No</td>
</tr>
<tr>
<td>Jazz Tech Band (Jazz Lab) I-IV</td>
<td>Entry Level Ensemble</td>
<td>No</td>
</tr>
<tr>
<td>Jazz Band (Jazz Ensemble) I-IV</td>
<td>Advanced Ensemble</td>
<td>Yes</td>
</tr>
<tr>
<td>AP Music Theory</td>
<td>Any student in a choral or instrumental course</td>
<td>No</td>
</tr>
<tr>
<td>Marching Band I-IV</td>
<td>Extracurricular open to concert ensembles and visual ensemble</td>
<td>As required by instructors</td>
</tr>
</tbody>
</table>

### Additional Information

**Audition Groups**

Auditions will take place in April and/or May. Results will be posted at the end of the spring semester.

**AP Music Theory**

AP Music Theory is open to any student participating in a music class at THS. For example, students in choir or a concert instrumental ensemble.

**Marching Band**

Marching Band is an extracurricular activity open to students in the concert ensembles and members of the visual ensemble. Marching band does not march during the school day, but practices musical pieces or visual ensemble routines in class. Students should register for the visual ensemble class or their concert ensemble class. **Participating in two seasons of marching band serves as the Physical Education credit required for graduation.**

**Specialty Courses**

Students must be enrolled in concert ensemble to participate.
**Concert Band I-V**

Course Code 1st Semester 05103G0501, 05103G0502, 05103G0503, 05103G0504, 05103G0505
Course Code 2nd Semester 05102G0501, 05102G0502, 05102G0503, 05102G0504, 05102G0505

1 credit; Lab fee required

Concert Band is a performance based class dedicated to the study and performance of modern wind band music on the grade 2 - 3 level. No audition is required. Concert performances are a requirement of this class. This course is appropriate for 9th through 12th grade students.

**Symphonic Band I-V**

Course Code 1st Semester 05103G0501, 05103G0502, 05103G0503, 05103G0504, 05103G0505
Course Code 2nd Semester TBA

1 credit; Lab fee required; audition required

Symphonic Band is a performance based class dedicated to the study and performance of modern wind band literature on the grade 3 - 4 level. Selection is by audition and/or teacher recommendation. Concert performances are a requirement of this class. This course is appropriate for 9th through 12th grade students.

**Wind Ensemble I-V**

Course Code 1st Semester 05103G0501, 05103G0502, 05103G0503, 05103G0504, 05103G0505
Course Code 2nd Semester 05106G05I1, 05106G05I2, 05106G05I3, 05106G05I4, 05106G05I5

1 credit; Lab fee required; audition required

Wind Ensemble is a performance based class dedicated to the study and performance of modern wind band literature on the grade 5 -6 level. Selection is by audition and/or teacher recommendation. Concert performances are a requirement of this class. This course is appropriate for 9th through 12th grade students.

**Thompson Philharmonic (Orchestra I)**

Course Code 05104G1001

1 credit; Lab fee required

This is a one-credit course, novice level, designed for beginning music 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 music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. This course is appropriate for 9th through 12th grade students.

**Jazz Band (Jazz Ensemble) I-IV**

Course Code 05105G1001, 05105G1002, 05105G1003, 05105G1004, 05105G1005

1 credit; Lab fee required; audition required;
Co-requisite – Concert, Symphonic, or Wind Ensemble

Jazz Band is for students who would like to pursue the study of music in the jazz idiom. Some improvisation required. Must be enrolled in Concert Band, Symphonic Band, or Wind Ensemble. Selection is by audition and/or teacher recommendation. Students may participate in competitions and concert performances. This course is appropriate for 9th through 12th grade students.

**Jazz Tech Band (Jazz Lab) I-IV**

**Course Code** 05105G1001, 05105G1002, 05105G1003, 05105G1004, 05105G1005
1 credit; Lab fee required; Co-requisite – Concert, Symphonic, or Wind Ensemble

Jazz Band is for students who would like to pursue the study of music in the jazz idiom. Some improvisation required. Must be enrolled in Concert Band, Symphonic Band, or Wind Ensemble. No audition is required. This course is appropriate for 9th through 12th grade students.

**Band Technical I-IV**

**Course Code**: 05149G10I1, 05149G10I2, 05149G10I3, 05149G10I4
1 credit; Lab fee required; Co-requisite – Concert, Symphonic, or Wind Ensemble

Band Technical is for students who would like to pursue an individual practice program as well as chamber music opportunities. Must be enrolled in Concert Band, Symphonic Band, or Wind Ensemble. This course is appropriate for 9th through 12th grade students considering a wide range of postsecondary educational options.

**Visual Ensemble I-IV**

**Course Code** 22994X1001
1 credit; Lab fee required

Visual Ensemble includes the majorettes, dance team, and color guard. Performances are a requirement of this class. This course is appropriate for 9th through 12th grade students.

**AP Music Theory**

**Course Code** 05114E1000
1 credit; Exam and lab fee required; Co-requisite: must be enrolled in any music class (choir or instrumental)

*Recommended Prerequisites: Ability to read and write musical notation and basic voice or instrument performance skills*

Learn to recognize, understand, and describe the basic materials and processes of music. Students develop skills by listening to, reading, writing, and performing a wide variety of music. Students will be required to take the AP exam in the spring.
## Fine Arts Academy: Visual Arts Concentration

### Suggested Pathways

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<thead>
<tr>
<th>Concentration</th>
<th>Introduction Course</th>
<th>Specialization Course</th>
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<tr>
<td>2D Design (drawing, painting, collage, photography, etc.)</td>
<td>Introduction to 2D Design I</td>
<td>2D Design II</td>
<td>2D Design III</td>
<td>AP 2D Art &amp; Design OR AP Studio Art Drawing</td>
</tr>
<tr>
<td>3D Design (sculpture, clay, plaster, wood, various media)</td>
<td>Introduction to 3D Design I</td>
<td>3D Design II</td>
<td>3D Design III</td>
<td>AP 3D Art &amp; Design</td>
</tr>
<tr>
<td>Design Crafts (crafts and surface design)</td>
<td>Introduction to Crafts I</td>
<td>Crafts II</td>
<td>Crafts III</td>
<td>AP 2D Art &amp; Design OR AP 3D Art &amp; Design</td>
</tr>
<tr>
<td>Art History (development and history of visual arts)</td>
<td>Introduction to Art History</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Introduction to 2D Design I

**Course Code**: 05195G1021
1 credit; Lab fee required

Students’ emphasis will be on observational drawing skills using traditional materials. This course 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.

### 2D Design II

**Course Code**: 05195G1022
1 credit; Lab fee required; Prerequisite – Introduction to 2D Design I or approval of instructor

Students’ emphasis will be on design and creative problem solving with various materials such as printing, photography, and collage. Through exploration and experimentation, this course increases development of core concepts in 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.

**2D Design III**

Course Code 05195G1023

1 credit; Lab fee required; Prerequisite – Introduction to 2D Design II or approval of instructor

Students’ emphasis will be on color theory using colored pencils, paints, pastels, and other various media. Students will also begin learning to build a portfolio and participate in sustained investigation. Through continued exploration and experimentation, this course provides students with a comprehensive study in the two-dimensional design studio processes, art criticism, aesthetics, and art history to provide a deeper understanding and appreciation of two-dimensional design. 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.

**Introduction to 3D Design I**

Course Code 05195G1031

.5 credit; Lab fee required

This course is a hands-on, beginner’s exploration of the third dimension in art. This semester will be devoted to creating in various media, such as clay and plaster, investigating many different approaches to sculpture. Assignments will include a thorough understanding of Art Elements and Design Principles.

**3D Design II**

Course Code 05195G1032

.5 credit; Lab fee required; Prerequisite – Introduction to 3D Design I or approval of the instructor

This course is a further exploration of the third dimension in art. This semester the students will be creating in advanced media such as wood carving and Plexiglas, as well as further exploration in clay. Assignments will include each of the four methods of sculpting: casting, carving, modeling and construction.

**3D Design III**

Course Code 05195G1033

1 credit; Lab fee required; Prerequisite – 3D Design II or approval of the instructor

This advanced class is for the dedicated, task oriented student who is possibly moving toward an Advanced Placement Portfolio. This class includes a mixture of class assignments and independent study, working with professional tools and media. Emphasis will be placed on building a body of artwork that could be used in an AP Portfolio.
Design Crafts: Introduction to Crafts I

Course Code 05165G1001
.5 credit; Lab fee required

Crafts is an introductory level course designed to introduce students to basic concepts of 2D and 3D techniques in paper, cloth, and other mixed media. Students will learn techniques in measuring, gluing, cutting and sewing. The curriculum is broad and challenging, with a central focus on mastery of tools, design techniques, and proper handling of equipment and safety.

Design Crafts: Crafts II

Course Code 05165G1002
.5 credit; Lab fee required; Prerequisite – Crafts I or approval of the instructor

This course will allow students to expand on their skills from the previous course, with exploration in real-world applications of design elements. Students will apply these elements in projects in cold and warm glass techniques and mold-making processes to pour metal for 3-D forms, jewelry, and ceramics.

Design Crafts: Crafts III

Course Code 05165G1003
1 credit; Lab fee required; Prerequisite – Crafts II or approval of the instructor

Through exploration and experimentation, this course provides students with a more in depth study of foundations in functional art including the history of crafts, crafts of various cultures, studio practice in a variety of crafts media, safe studio practices, proper care and storage of supplies and equipment, aesthetics, criticism, and elements and principles of design.

AP 2-D Art and Design

Course Code 05174E1000
1 credit; Lab fee required; AP Exam Fee required

This advanced course engages students in the most advanced level of artistic development and technical proficiency. Students at this level understand multifaceted components of solving visual arts problems. A prepared portfolio of original works will be submitted at the end of the year for Advanced Placement college credit. Students are required to take the AP Exam. This course is appropriate for 11th or 12th grade students.

AP 3-D Art and Design

Course Code 05175E1000
1 credit; Lab fee required; AP Exam Fee required

AP 3-D Art and Design is a course designed to fulfill the requirements of the College Board program of study. It is a challenging and rigorous course that has at its core the generation of a
substantial body of very high quality works of art. The coursework is expected to be at the college level in terms of its quality in subject, content and form. Students are required to take the AP Exam. This course is appropriate for 11\textsuperscript{th} or 12\textsuperscript{th} grade students.

**AP Studio Art Drawing**

*Course Code* 05172E1000

1 credit; Lab fee required; AP Exam Fee required

This course is an introductory college-level drawing course. Students refine and apply drawing skills to ideas they develop throughout the course. A prepared portfolio of original works will be submitted at the end of the year for Advanced Placement college credit. Students are required to take the AP Exam. This course is appropriate for 11\textsuperscript{th} or 12\textsuperscript{th} grade students.

**Introduction to Art History**

*Course Code* 05151G1000

.5 credit; Lab fee required

This course is designed for students interested in the development and history of visual arts (painting, sculpture, architecture). It does not include the actual creation of artwork. Students will study objects of art and consider them within their time period. They will also analyze the authorial origins of artwork, including who created a particular piece, when, where, and for what reason. Another major part of art history is analyzing the symbolism in artwork. For instance, students will identify the visual elements of an object and interpret its meaning based on the timeframe in which it was created. **This course may count as .5 credit for fine arts elective.**
World Languages Academy

Spanish I
Course Code 24052G1000
1 credit; Lab fee required

Spanish I focuses on listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; and beginning understanding of Spanish-speaking cultures. This course is appropriate for 9th through 12th grade students.

Spanish II
Course Code 24053G1000
1 credit; Lab fee required; Prerequisite – Spanish I

Spanish II focuses on listening and speaking skills including understanding and responding to directions, commands, and questions; reading with comprehension main ideas from simple texts; writing with comprehension short presentations; and further understanding of Spanish-speaking cultures. This course is appropriate for 9th through 12th grade students.

Spanish III
Course Code 24054G1000
1 credit; Lab fee required; Prerequisite – Spanish II

Spanish III, Honors focuses on listening and speaking skills including understanding and responding to factual and interpretive questions; paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts; creating presentations; and increased understanding of Spanish-speaking cultures. This course is appropriate for 10th through 12th grade students.

AP Spanish Language
Course Code 24064E1000
1 credit; Lab fee and exam fee required; Prerequisite – Spanish III

AP Spanish Language focuses on listening and speaking skills including understanding and responding to factual and interpretive questions; proposing and supporting solutions to issues and problems; interpreting authentic prose and poetry selections; creating compositions; and extensive understanding of Spanish-speaking cultures. Students in AP Spanish Language are required to take the AP Exam. This course is appropriate for 11th or 12th grade students.
**French I**  
**Course Code** 24102G1000  
1 credit; Lab fee required  
French I focuses on listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; and beginning understanding of French-speaking cultures. This course is appropriate for 9th through 12th grade students.

**French II**  
**Course Code** 24103G1000  
1 credit; Lab fee required; Prerequisite – French I  
French II focuses on listening and speaking skills including understanding and responding to a variety of directions, commands, and questions related to personal preferences; reading with comprehension main ideas from simple texts; writing with comprehension short presentations; and further understanding of French-speaking cultures. This course is appropriate for 9th through 12th grade students.

**French III**  
**Course Code** 24104G1000  
1 credit; Lab fee required; Prerequisite – French II  
French III, Honors focuses on listening and speaking skills including understanding and responding to factual and interpretive questions; paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts; creating presentations; and increased understanding of French-speaking cultures. This course is appropriate for 10th through 12th grade students.

**AP French Language and Culture**  
**Course Code** 24114E1000  
1 credit; Exam and lab fee required; Prerequisite – French III  
College-level advanced language course following the curriculum established by the College Board Advanced Placement (AP) Program for French; 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 in AP French Language and Culture are required to take the AP Exam. This course is appropriate for 11th or 12th grade students.
American Sign Language I
Course Code 24852G1000
1 credit; Lab fee required

American Sign Language I content standards provide students the opportunity to begin the study of ASL while introducing them to the study of Deaf culture. Basic vocabulary, grammar, and culture are included in the course. Acquisition of Level I knowledge and skills helps students understand their own language and culture, develop insight into cultures other than their own, and participate more fully in the global community. This course is appropriate for 9th through 12th graders.

American Sign Language II
Course Code 24853G1000
1 credit; Lab fee required; Prerequisite – American Sign Language I

American Sign Language II content standards build upon knowledge and skills acquired in the Level I course. Content standards allow students to focus on gaining facility in handling more advanced elements of communication, broadening insights into the American Deaf culture as well as their own, and enhancing the connections they make with other disciplines, the community, and the world. This course is appropriate for 10th through 12th graders.
Thompson High School
Career Technical Academies & Pathways

Please note the academies and pathways are for all students who are interested in any of the following after high school: workforce, military, technical school, 2-year college, and 4-year college.

ACS strongly encourages students to choose one pathway and complete three to four sequential courses for the best chance to earn workforce ready credentials, internships, college/career professional contacts, and maximum knowledge of the field.
Government & Public Administration Academy

Air Force JROTC

Students are encouraged to take **3 to 4 years** of JROTC in sequence in order to earn the AFJROTC Certificate of Completion. The certificate allows students the following benefits **after high school:**

- Cadets who enlist in any branch of the US military will enter at a higher pay grade
- Cadets will have a higher standing than other enlisted personnel
- Cadets will be eligible for earlier promotions

The certificate also gives the student a College and Career Ready Indicator, which is an expectation of the Alabama State Department of Education and Alabaster City Schools. Please note, taking these courses does NOT obligate the student to the military, but does prepare him/her for a wide variety of leadership roles in the workforce or armed forces.

Leadership topics include communication skills, understanding individual and group behavior, leadership theory, personnel management, responsible citizenship, and planning one’s future. Academic topics include history of flight, civil aviation, military aviation, weather, flight principles, navigation, flight physiology, space technology, aerospace propulsion systems, wellness and careers in aerospace. One (1) JROTC credit may also be substituted for the required physical education credit. Students will perform drill and ceremonies once a week. Additionally, one day per week will be dedicated to fitness. Curriculum-in-action trips to civilian and military aerospace facilities are offered to all students. These courses have specific dress and grooming standards as well as the requirements to wear the Air Force uniform one day each week. Students can volunteer to be on the drill, color guard, and marksmanship teams as well as the model rocket, aircraft, and drone clubs. Uniforms and books are free and are provided by the Air Force.

**Air Force JROTC Leadership and Aviation History (Year 1) with embedded Career Prep A and embedded Beginning Kinesiology**

Course Code 09151G1000
1 credit; Lab fee required

A one-credit course which focuses on the development of flight throughout the centuries from ancient civilization to modern day. The course also focuses on learning the value of elements of good citizenship and Air Force organizational structure, including uniform wear, military traditions, fitness, and individual self-control.

**Air Force JROTC Leadership and Science of Flight (Year 2)**

Course Code 09152G1000
1 credit; Lab fee required

A one-credit course designed to acquaint students with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. Students learn
basic navigation including map reading, course plotting, and the effects of wind. Students will also apply basic communication, decision-making, personal-interactions, managerial, and organizational skills.

**Air Force JROTC Leadership and Exploration of Space (Year 3)**

**Course Code** 09153G1000  
1 credit; Lab fee required

A one-credit course designed to provide students with an advanced study of space exploration; issues that are critical to travel in the upper atmosphere, including unmanned satellites, trajectories, space probes, and guidance and control systems; and major milestones. Students will also apply basic communication, decision-making, personal-interactional, managerial, and organizational skills.

**Air Force JROTC Leadership and Cultural Studies (Year 4)**

**Course Code** 09004G1001  
1 credit; Lab fee required

A one-credit course designed to provide students with an increased international awareness and insight into foreign affairs; an understanding of European, Middle Eastern, South and East Asian, African, and Latin American cultures; and an enhanced knowledge of America’s interest and role in the world. Students apply prior leadership theory through hands-on practices and experiences.

**Air Force JROTC Aviation Honors Ground School**

**Course Code** 09002G1000  
1 credit; Lab fee required; Prerequisites AFJROTC Year 1 and 2 with a 70 or higher, approval of instructor

Aviation Honors Ground School provides an extensive look at flight related topics; it is a stand-alone course for 3rd and 4th year cadets only. For students who are interested in becoming professional pilots, this course will fully prepare them to pass the Federal Aviation Administration (FAA) Private Pilot Aeronautical Knowledge written exam. As such, this course goes well beyond the aerospace topics covered in the regular AFJROTC curriculum. Course content includes basic aerodynamics, aircraft systems, airplane performance, meteorological theory and the interpretation of weather reports, radio communications, cross country flight planning and navigation, aeronautical charts and airspace, airport operations, air traffic control services, safety of flight, aeronautical decision making and FAA regulations.
Business Management and Administration Academy

Suggested Pathway

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<th>Introduction Course*</th>
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<th>Specialization Course</th>
<th>Specialization Course</th>
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<tr>
<td>Business Software Applications I</td>
<td>Business Software Applications II</td>
<td>Digital Media Design</td>
<td>CTE Lab in Business Management and Administration AND/OR Cooperative Education</td>
<td>Microsoft Office Specialist: PowerPoint &amp; Word</td>
</tr>
</tbody>
</table>

*After completion of Business Software Applications I, students may take specialization courses in the sequence they prefer as long as they meet the requirements of the course.

**Business Software Applications I with embedded Career Prep A**

Course Code TBA

1 credit; Lab fee required

This foundation course emphasizes the skills required to create, edit, and publish industry-appropriate documents. Areas of instruction include the integration of word processing, desktop publishing, spreadsheets, database management, and presentation software as well as the use of emerging technologies. Competencies for the co-curricular student organization Future Business Leaders of America (FBLA-PBL) are also embedded in this course. Students will have the opportunity to gain industry-recognized credentials to document basic computer skills needed for future education or employment. This course is appropriate for 9th and 10th grade students.

**Business Software Applications II**

Course Code TBA

1 credit; Lab fee required; Prerequisite – Business Software Applications I or Business Technology Applications

Business Software Applications II focuses on advanced word processing and spreadsheet and database management skills using current and emerging integrated technology. These skills include a variety of input technologies in the production of professional quality business documents and reports. Performance and production skills for the co-curricular student organizations Future Business Leaders of America (FBLA-PBL) are embedded in this course. Students will also have the opportunity to gain industry-recognized credentials to document advanced computer skills needed for future education or employment plans.
**Digital Media Design**

*Course Code* TBA  
1 credit; Lab fee required; Prerequisite - Business Technology Applications or Business Software Applications I

Digital Media Design provides a creative, hands-on environment in which students collaborate to produce a variety of digital media projects. Students use various hardware, peripherals, software, and web-based tools to learn skills involving graphic design, digital photography, web design, and digital video production. Additionally, the standards are designed for students to engage in critical thinking skills and practice appropriate behavior in the use of technology. Emphasis is placed on exploring and demonstrating business-related skills such as teamwork, interpersonal skills, and ethics while completing their projects.

**CTE Lab in Business Management and Administration**

*Course Code* 12047G1002  
1 credit; Lab fee required; Prerequisite – Two or more credits from the Business Management and Administration Career Cluster pathway

CTE Lab in Business Management and Administration is designed to enhance the student’s general understanding and mastery of the cluster. This course is designed as a learning laboratory to support students’ individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or in a virtual learning environment.

**Cooperative Education**

*Course Code* 22998G1014, 22998G1024, 22998G1034, 22998G1044  
1 credit each; Lab fee required; Prerequisite – Students must have completed at least 1 CTE course or Career Preparedness A&B

A one-credit work-based experience requiring a minimum of 140 continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.
Marketing Academy

Suggested Pathway

<table>
<thead>
<tr>
<th>Introduction Course*</th>
<th>Specialization Course</th>
<th>Specialization Course</th>
<th>Specialization Course</th>
<th>College/Career Ready Certifications</th>
</tr>
</thead>
</table>

*After completion of Business Software Applications I, students may take specialization courses in the sequence they prefer as long as they meet the requirements of the course.

**Business Software Applications I with embedded Career Prep A**

Course Code TBA

1 credit; Lab fee required

This foundation course emphasizes the skills required to create, edit, and publish industry-appropriate documents. Areas of instruction include the integration of word processing, desktop publishing, spreadsheets, database management, and presentation software as well as the use of emerging technologies. Competencies for the co-curricular student organization Future Business Leaders of America (FBLA-PBL) are also embedded in this course. Students will have the opportunity to gain industry-recognized credentials to document basic computer skills needed for future education or employment. This course is appropriate for 9th and 10th grade students.

**Marketing Principles**

Course Code TBA

1 credit; Lab fee required; Prerequisite - Business Technology Applications or Business Software Applications I

Marketing Principles is designed to provide students with an overview of marketing concepts. The course addresses the ways in which marketing satisfies consumer and business needs and wants for products and services. Areas emphasized include economics, entrepreneurship, information management, finance, marketing, product and service planning, promotion, pricing, selling, interpersonal skills, and international marketing.
Customer Service and Sales

Course Code: TBA
1 credit; Lab fee required; Prerequisite - Business Technology Applications or Business Software Applications I

Customer Service and Sales is designed to provide instruction on basic principles of customer service and selling. This course focuses on the identification and classification of customer services, technology literacy issues related to customer service, and the human relations, leadership, organizational, and communication skills necessary for success in customer service. In addition, this course offers instruction related to selling and sales, including professional sales, sales presentations, types of compensation, and characteristics and traits associated with successful selling.

Sports and Entertainment Marketing

Course Code: TBA
1 credit; Lab fee required; Prerequisite - Business Technology Applications or Business Software Applications I

Sports and Entertainment Marketing is a specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. This course introduces the student to the major segments of the industry and the social and economic impact the industry has on local, state, national, and global economies. Although no prerequisite is listed, it is suggested that students complete an introductory marketing course prior to taking Sports and Entertainment Marketing. The products and services offered to consumers and the impact of marketing on these products and services are examined. The sports marketing portion of the course addresses such diverse products as the sporting event itself, its athletes, sports facilities or locations, sporting goods, personal training, and sports information. Entertainment marketing focuses on events such as fairs, concerts, trade shows, festivals, plays, product launches, and causes.

Entrepreneurship

Course Code: TBA
1 credit; Lab fee required; Prerequisite - Business Technology Applications or Business Software Applications I

Entrepreneurship focuses on the skills needed to organize, develop, create, and manage a business in a variety of environments. Course standards are designed to foster an entrepreneurial mindset; encourage innovation, critical thinking, and problem-solving in a fast-paced professional setting; and build basic knowledge of various entrepreneurial ventures.
**Cooperative Education**

**Course Code** 22998G1014, 22998G1024, 22998G1034, 22998G1044

1 credit each; Lab fee required; Prerequisite – Students must have completed at least 1 CTE course or Career Preparedness A&B

A one-credit work-based experience requiring a minimum of 140 continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.

**Education & Training Academy**

**Required Pathway**

<table>
<thead>
<tr>
<th>Introduction Course</th>
<th>Specialization Course</th>
<th>Specialization Course</th>
<th>Specialization Course</th>
<th>College/Career Ready Certifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education and Training</td>
<td>Teaching I</td>
<td>Teaching II</td>
<td>Education and Training Internship</td>
<td>Praxis II: Principles of Learning &amp; Teaching</td>
</tr>
</tbody>
</table>

**Education and Training with embedded Career Prep A (Year 1)**

**Course Code** 19151G1000

1 credit; Lab fee required

This course is the prerequisite for all other courses in the Education and Training program. It is designed for students who are interested in pursuing careers in education. Course content includes the organizational structure of education, careers, the role of the teacher, characteristics of effective teachers, communication skills, the teaching and learning processes, learning styles, research, positive classroom environments, student characteristics, teaching techniques, learning activities, educational initiatives, and technology. Observational experiences are required. This course is appropriate for 9th or 10th grade students.

**Teaching I (Year 2)**

**Course Code** 19152G1012

1 credit; Lab fee required; Prerequisite – Education and Training

This course builds on the knowledge gained in the Education and Training course. Content includes information to help students implement the teaching and learning processes. Major topics are funding sources, budget preparations, legal aspects, research, teaching and learning theories, curriculum development, positive learning environments, creative teaching techniques, appropriate learning activities, instructional resources, community resources and services, scope and sequence charts, course outlines, lesson plans, testing, grading, developing partnerships, technology, and careers. School-based laboratory experiences are essential for students to develop
skills in teaching. Observational experiences are a required component of this course. This course is appropriate for 10th through 12th grade students.

**Teaching II (Year 3)**

**Course Code** 19152G1022  
1 credit; Lab fee required; Prerequisite – Education and Training and Teaching I

A one-credit course that provides students with advanced knowledge and skills used in the education field. Concepts of legal aspects of education, instructional resources, motivation, types of assessments, constructing texts, positive learning environments, lesson planning and teaching for various areas and grades, reading level of instructional materials, classroom management strategies, partnerships, public relations, professional associations, technology, and careers are included in the course. Observational experiences are a required component of this course. This course is appropriate for 11th or 12th grade students.

**Education & Training Internship (Year 4)**

**Course Code** 19198G1000  
1 credit; Lab fee required; Prerequisite – Education and Training, Teaching I, & Teaching II

The internship course is for students who are interested in pursuing careers in the education field. The internship allows students to spend time in a classroom or school setting on a regular basis with a teacher within the school system who teaches the subject-matter area of interest to the student intern, a staff member in the appropriate professional support services area, or a principal or vice-principal. This course provides students with a context in which they can make a personal assessment of their commitment to pursue a teaching, professional support services, or educational leadership career. The school-based laboratory for the internship is an actual classroom or school that provides instruction in the subject-matter area or career area related to the student’s interest. This course is appropriate for 12th grade students.
Engineering Academy & Industrial Maintenance Program

Engineering Required Pathway

<table>
<thead>
<tr>
<th>Introduction Course</th>
<th>Specialization Course</th>
<th>Specialization Course</th>
<th>Specialization Course</th>
<th>College/Career Ready Certifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundations of Engineering &amp; Technology</td>
<td>Applications of Engineering &amp; Technology</td>
<td>Basic Programming for Engineers</td>
<td>Career Pathway Project in STEM (capstone project)</td>
<td>CAD</td>
</tr>
</tbody>
</table>

Industrial Maintenance Dual Enrollment Pathway (on THS campus)

<table>
<thead>
<tr>
<th>Introduction Course</th>
<th>Year 1 Semester 1</th>
<th>Year 1 Semester 2</th>
<th>Year 2 Semesters 1 &amp; 2</th>
<th>Year 3 Semesters 1 &amp; 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundations of Engineering &amp; Technology</td>
<td>Electric Circuits I</td>
<td>Intro to Robotics</td>
<td>TBA</td>
<td>TBA</td>
</tr>
</tbody>
</table>

*Foundations of Engineering & Technology with embedded Career Prep A (Year 1)*

Course Code 21005G1000

1 credit; Lab fee required; Prerequisite - Open to Freshman and Sophomore students with a grade of C or better in the previous year’s math course or teacher approval.

Foundations of Engineering & Technology is a one-credit course for all first-year Engineering Academy students. This is the entry-level Engineering Academy course and is a prerequisite for all other engineering academy courses. Foundations of Engineering and Technology offers students an exploratory view of the engineering profession and the fundamental skills utilized in the field. Students investigate various engineering disciplines and related career paths. Students will develop leadership and teamwork skills through creativity, collaboration, communication, and critical thinking. Additionally, students will increase their understanding of science, technology, engineering, and mathematics (STEM) principles used in problem-solving as they use the engineering design process. Upon completion of this course, students may be ready to earn a credential in a Computer-Aided Design (CAD) software.
Applications of Engineering & Technology (Year 2)
Course Code 21002G1000
1 credit; Lab fee required; Prerequisite – Foundations of Engineering and Algebra I with Probability or its equivalent

Applications of Engineering and Technology offers students an investigative view of the engineering profession and the fundamental skills utilized in the field. Students continue investigating engineering disciplines and related career paths. Students will expand leadership and teamwork skills through creativity, collaboration, communication, and critical thinking. Additionally, students will increase their understanding of science, technology, engineering, and mathematics (STEM) principles through real-world problem solving using industry practices and tools such as Microsoft Excel. Students will also develop skills in written and spoken technical communication.

Basic Programming for Engineers (Year 3)
Course Code 21015G1000
1 credit; Lab fee required; Prerequisite – Foundations and Applications of Engineering & Technology

This course is designed as a learning laboratory to support students’ individual interests and goals. Specific focus will be on developing sufficient knowledge to perform basic analysis and other tasks in the MATLAB and Python programming languages. The course is appropriate for 11th or 12th grade students and is a required prerequisite to the Career Pathway Project in STEM design course.

Career Pathway Project in STEM (Year 4)
Course Code 21047G1001
1 credit; Lab fee required; Prerequisite – Basic Programming for Engineers

Career Pathway Project (CPP) for STEM is a capstone course designed for students who have completed Foundations of Engineering and Technology, Applications of Engineering and Technology, and Basic Programming for Engineers. This course allows students to utilize their secondary coursework through an experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and engage in an in-depth exploration of the area while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.

The CPP featured in this course will combine students from the Engineering Academy and Computer Science Academy tracks to design and prototype engineered systems to solve real-world problems. Students will apply and expand on knowledge from previous Academy courses through long term, design-focused projects while learning new material such as (but not limited to) project management, interdisciplinary team collaboration, mechatronic design (physical mechanical features, control software, and electronics), prototyping, and written and verbal technical communication.
**Dual Enrollment Electric Circuits I (ELM 200)**

Course Code TBA
1 credit; Prerequisite – Foundations of Engineering & Technology

*Please see the college counselor regarding CTE scholarship opportunities.*

Dual enrollment Electric Circuits I consists of one semester long college level course following the curriculum of Jefferson State Community College. This course introduces the theories and techniques involved in electrical circuits. Topics include voltage, conventional current flow, power, resistance, conductance, and analysis. Upon completion of this course, a student will be able to solve a resistive network for a single unknown circuit variable. This course is for 10th grade students.

**Dual Enrollment Intro to Robotics (AUT 116)**

Course Code TBA
1 credit; Prerequisite – Foundations of Engineering & Technology

*Please see the college counselor regarding CTE scholarship opportunities.*

Dual enrollment Intro to Robotics consists of one semester long college level course following the curriculum of Jefferson State Community College. This course provides instruction in concepts and theories for the operation of robotic servo motors and power systems used with industrial robotic equipment. Emphasis is on the application of the computer to control power systems to perform work. Student competencies include understanding of the functions of hydraulic, pneumatic, and electrical power system components, ability to read and interpret circuitry for proper troubleshooting and ability to perform preventative maintenance. This course is for 10th grade students.
Computer Science Academy

Suggested Pathways

<table>
<thead>
<tr>
<th>Introduction Course*</th>
<th>Introduction Course 2*</th>
<th>Specialization Course(s)</th>
<th>College/Career Ready Certifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information Technology Fundamentals</td>
<td>Introduction to Python</td>
<td>Career Pathway Project in Information Technology (capstone project)</td>
<td></td>
</tr>
<tr>
<td>Information Technology Fundamentals</td>
<td>Introduction to Python</td>
<td>AP Computer Science Principles AND Career Pathway Project in Information Technology (capstone project)</td>
<td></td>
</tr>
<tr>
<td>Information Technology Fundamentals</td>
<td>Introduction to Python</td>
<td>AP Computer Science Principles THEN Career Pathway Project in Information Technology (capstone project)</td>
<td>TestOut Pro Certification</td>
</tr>
<tr>
<td>Information Technology Fundamentals</td>
<td>Introduction to Python</td>
<td>AP Computer Science Principles AND/OR Career Pathway Project in Information Technology (capstone project)</td>
<td></td>
</tr>
</tbody>
</table>

*All students will take IT Fundamentals and Introduction to Python as their first and second year courses before choosing specialization courses.

Information Technology Fundamentals (Year 1)

Course Code 10999C1060
1 credit; Lab fee and exam fee required

This is an introductory level course that covers the fundamentals of software, hardware, security, and networking, as well as basic IT skills such as workstation set-up, operating system navigation, simple support services, backup protocols, and safety. Upon completion of the course, students will understand the essential functions of IT professionals and be better positioned to make decisions about a career in information technology. This class is appropriate for 9th or 10th grade students.

Introduction to Python (Year 2)

Course Code 10156G1000
1 credit; Lab fee required; Prerequisite – Information Technology Fundamentals

A one-credit introductory course that 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. This class is appropriate for 10th -12th grade.
**AP Computer Science Principles**

*Course Code* 10019E1000

1 credit; Lab fee and exam fee required

Prerequisite – Information Technology Fundamentals and Introduction to Python

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems, and will discuss and write about the impacts these solutions could have on their community, society, and the world. Students are required to take the AP exam. This course is appropriate for students in 11th or 12th grades.

**AP Computer Science A**

*Course Code* 10157E1000

1 credit; Lab fee and exam fee required

Prerequisite – Information Technology Fundamentals and Introduction to Python

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. Students are required to take the AP exam. This course is appropriate for students in 11th or 12th grades.

**Career Pathway Project in Information Technology (Capstone Project)**

*Course Code* 10997G1001

1 credit; Lab fee required

Prerequisite – completion of a minimum of two courses in this pathway

The Capstone Design Project featured in this course will combine students progressing through the Engineering Academy and Computer Science Academy to design and prototype engineered, mechatronic systems. Students will apply and expand on knowledge from previous Academy courses through long term, design-focused projects while learning new material such as (but not limited to) project management, interdisciplinary team collaboration, mechatronic design (physical mechanical features, control software, and electronics), prototyping, and written and verbal technical communication. This class will occasionally participate in robotics competitions though it will not be the sole focus of the course. There will be an after-school workshop requirement one day a week. This course is appropriate for students in 11th or 12th grades.
Human Services Academy

**Suggested Pathways**

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Introduction Course</th>
<th>Specialization Course</th>
<th>Specialization Course</th>
<th>Specialization Course</th>
<th>College/Career Ready Certifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Childhood Development &amp; Services</td>
<td>Family and Consumer Sciences</td>
<td>Child Development</td>
<td>Child Services I</td>
<td>Child Services II (not offered 2022-23)</td>
<td>ServSafe Manager</td>
</tr>
<tr>
<td>Family Studies and Community Services</td>
<td>Family and Consumer Sciences</td>
<td>Food and Nutrition</td>
<td>Family Studies and Community Services I</td>
<td>Family Studies and Community Services II</td>
<td></td>
</tr>
</tbody>
</table>

**Early Childhood Development & Services Concentration**

*Family and Consumer Sciences (FACS) with embedded Career Prep A*

**Course Code** 19251G1000
1 credit; Lab fee required

This course serves as the foundational course for the Human Services cluster. Course content provides opportunities for students to explore the core content included in the Family Studies and Consumer Sciences pathway. Major topics are marriage and family life, parenting and caregiving, consumer services, apparel, housing, food and nutrition, and technology and careers. This course is not a prerequisite for courses included in all pathways within the cluster, however, students are encouraged to take the course before entering a pathway. 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. Students will be encouraged to participate in FCCLA (Family, Career, and Community Leaders of America). This course is appropriate for 9th or 10th grade students.

*Child Development*

**Course Code** 19255G1002
1 credit; Lab fee required; Prerequisite – Family and Consumer Sciences

This course helps students develop skills related to the physical, social, intellectual, and emotional development of children. Course content provides opportunities for exploring benefits of studying children, stages of development, child development theories, child health and safety, behavior management, child abuse, needs of exceptional children, childcare services, community resources, technology, and career opportunities related to working with children. This course is for 10th through 12th grade students.
**Child Services I**

**Course Code** 19054G1012  
1 credit; Lab fee required; Prerequisite – Family and Consumer Sciences

Child Services I is a one-credit course that includes content to help students learn about child growth and development and ways to provide services to children. Major topics included in this course are types of child services; career options; roles and functions of individuals engaged in child services occupations; developmental theories; physical, intellectual, social, and emotional development of children; family influences; large and small motor-skill development; safe learning environments; child nutrition; emergency procedures; disadvantaging conditions of children; observation of children; exceptional children; communication skills; local, state, and national agencies supporting children; professionalism and ethics; health and hygiene practices; and technology. This course is for 10th through 12th grade students.

**Child Services II** (This course is not offered in 2022-2023)  
**Course Code** 19054G1022  
1 credit; Lab fee required; Prerequisite – Child Services I

Child Services II is a one-credit course. The prerequisite for this course is Child Services I. The course includes content that helps students learn about the management of child services facilities. Major topics are guidance techniques; parenting philosophies; communications; curriculum development; evaluation of services; first aid and emergency response plans; learning environments; development of policies and procedures; facility design; role of directors and staff; federal, state, and local regulations and licensure requirements; work environments; nutritional needs of clients; budgets; parent and community relationships; professionalism; and entrepreneurial opportunities. This course is for 11th or 12th grade students.

**Family Studies and Community Services Concentration**

**Family and Consumer Sciences (FACS) with embedded Career Prep A**

**Course Code** 19251G1000  
1 credit; Lab fee required

This course serves as the foundational course for the Human Services cluster. Course content provides opportunities for students to explore the core content included in the Family Studies and Consumer Sciences pathway. Major topics are marriage and family life, parenting and caregiving, consumer services, apparel, housing, food and nutrition, and technology and careers. This course is not a prerequisite for courses included in all pathways within the cluster, however, students are encouraged to take the course before entering a pathway. 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. Students will be encouraged to participate in FCCLA (Family, Career, and Community Leaders of America). This course is appropriate for 9th or 10th grade students.
**Food and Nutrition**

**Course Code** 19252G0500

.5 credit; Lab fee required; Prerequisite – Family and Consumer Sciences

Topics include the impact of daily nutrition and wellness practices on long-term health and wellness; physical, social, and psychological aspects of healthy nutrition and wellness choices; selection and preparation of nutritious meals and snacks based on United States Department of Agriculture (USDA) Dietary Guidelines and Food Guide Pyramid; safety, sanitation, storage, and recycling processes and issues associated with nutrition and wellness; impacts of science and technology on nutrition and wellness issues; and nutrition and wellness career paths. This course is appropriate for 10th through 12th grade students.

**Family Studies and Community Services I**

**Course Code** 19259G1012

1 credit; Lab fee required; Prerequisite – Family and Consumer Sciences

This course is designed for students who are interested in acquiring skills for providing service to families and in preparing for a variety of careers related to family and human services. Content standards guide students in discovering how to work with family and human services clients through topics that include the role and function of individuals engaged in family and human services; career options; educational training; agencies, organizations, and resources; laws and trends in the field; disadvantaging conditions of individuals and families; client rights, responsibilities, and support services; basic life skills; workplace professionalism; professional associations; confidential record keeping; workplace safety; communication skills; developmental needs of clients; health and wellness management plans; older adults; intergenerational living; services for older adults; crisis intervention and management; coping strategies and stress management; advocacy; abuse and neglect; and technology. This course is appropriate for 10th through 12th grade students.

**Family Studies and Community Services II**

**Course Code** 19259G1022

1 credit; Lab fee required; Prerequisite – Family Studies and Community Services I

The course includes content that helps students learn ways to determine client needs through the use of assessments and to provide intervention services. The physical, social, emotional, and intellectual stages of clients from infancy to older adults are addressed throughout the course. Additional topics include licensure requirements; age-appropriate activities; curriculum development; hobbies and recreational activities; transitions and life changes of clients; the aging process; assisted-living facilities; technology; resources, agencies, and services for clients; disadvantaging conditions; assessments; making informed choices; crisis intervention; and abuse and neglect. This course is appropriate for 11th or 12th grade students.
Health Sciences Academy

Students may choose one of five college/career pathways at Thompson High School: patient care, emergency services, sports medicine, PLTW biomedical sciences, or pharmacy. It is highly recommended that students remain in one pathway once they begin their specialization course. Students who concentrate (take two or more classes in sequence) can earn workforce and college ready certifications that can be used immediately in this high demand career field.

### Required Pathways

<table>
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<tr>
<th>Concentration</th>
<th>Introduction Course</th>
<th>Specialization Course</th>
<th>Specialization Course</th>
<th>Specialization Course</th>
<th>College/Career Ready Certifications</th>
</tr>
</thead>
</table>
| Patient Care        | Foundations of Health Science     | Therapeutic Services  | Patient Care Technician| Health Services Internship | Certified Patient Technician  
BLS Instructor with Healthcare Provider |
| Emergency Services  | Foundations of Health Science     | Emergency Services    | Dual Enrollment Emergency Medical Technician |                        | National Emergency Medical Responder  
BLS Instructor with Healthcare Provider  
Emergency Medical Technician |
| PLTW Biomedical Sciences | Principles of Biomedical Sciences | Human Body Systems | Medical Interventions |                        | BLS Instructor with Healthcare Provider |
| Pharmacy            | Foundations of Health Science     | Introduction to Pharmacy | Pharmacy Technician |                        | Pharmacy Technician Certification |

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Health Sciences Academy: Patient Care Concentration

*Foundations of Health Science with embedded Career Prep A and Health (Year 1)*

**Course Code**: 14002G1001  
1 credit; Lab fee required

This foundational course introduces students to a wide range of health careers, medical terminology, safety in health care, and basic structures and functions of human body systems. Integrated academics combined with health care knowledge and skills provide the framework for a strong health care delivery system in the twenty-first century. This course is a prerequisite to all courses in the Health Science cluster. It is recommended for students who want to prepare for further study in an array of health-related fields at the postsecondary level. This course is appropriate for 9th or 10th grade students.

*Therapeutic Services (Year 2)*

**Course Code**: 14099G1000  
1 credit; Lab fee required; Prerequisite – Foundations of Health Science

This course introduces students to occupations and functions in the therapeutic services pathways along with identification of human body structures and functions, diseases and disorders, treatments and medications to treat diseases, and disorders. Careers in this area include nursing, medicine, physical therapy, surgical technology, respiratory therapy, emergency medical technician, and more. This course is appropriate for 10th or 11th grade students.

*Patient Care Technician (Year 3)*

**Course Code**: 14051G1000  
1 credit; Lab fee required  
Prerequisite – Foundations of Health Science

*It is highly recommended that students take Therapeutic Services prior to the class.*

Patient Care Technician is a one semester, two period course which 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. This course is for 11th grade students.
Health Science Internship (Year 4)
Course Code 14298G2000
2 credits; Lab fee required
Prerequisite – Foundations of Health Science

Health Science Internship is a one year, two period course which provides students with the knowledge and skills necessary for becoming a healthcare worker or for preparing students for postsecondary health care education programs. Theory and laboratory components comprise at least ten percent of the course. Health Science internship is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory, or other health care facility. This course is for 12th grade students.

Health Sciences Academy: Emergency Services

Foundations of Health Science with embedded Career Prep A and Health (Year 1)
Course Code 14002G1001
1 credit; Lab fee required

This foundational course introduces students to a wide range of health careers, medical terminology, safety in health care, and basic structures and functions of human body systems. Integrated academics combined with health care knowledge and skills provide the framework for a strong health care delivery system in the twenty-first century. This course is a prerequisite to all courses in the Health Science cluster. It is recommended for students who want to prepare for further study in an array of health-related fields at the postsecondary level. This course is appropriate for 9th and 10th grade students.

Emergency Services (Year 2)
Course Code 14055G1000
1 credit; Lab fee required; Prerequisite – Foundations of Health Science

This course 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. This course is appropriate for 10th through 12th grade students.

Dual Enrollment Emergency Medical Technician (EMS 118)
Course Code 14999C1004
1 credit; Prerequisite – Foundations of Health Science; student must be 18 years old by the completion of the EMS courses

Please see the college counselor regarding CTE scholarship opportunities.

This course is required to apply for certification as an Emergency Medical Technician. This course provides students with insights into the theory and application of concepts related to the profession of emergency medical services. Specific topics include: EMS preparatory, airway
maintenance, patient assessment, management of trauma patients, management of medical patients, treating infants and children, and various EMS operations. This course is based on the NHTSA National Emergency Medical Services Education Standards. This course is appropriate for students who will be 18 by the completion of the EMS courses.

**Dual Enrollment Emergency Medical Technician Clinical (EMS 119)**

**Course Code** 14999C0505  
1 credit; Prerequisite – Foundations of Health Science; student must be 18 years old by the completion of the course  
*Please see the college counselor regarding CTE scholarship opportunities*

This course is required to apply for certification as an EMT. This course provides students with clinical education experiences to enhance knowledge and skills learned in the EMS 118, Emergency Medical Technician Theory and Lab. This course helps students prepare for the National Registry Exam. This course is appropriate for students who will be 18 by the completion of the course.

**Health Sciences Academy: Sports Medicine**

**Foundations of Health Science with embedded Career Prep A and Health (Year 1)**

**Course Code** 14002G1001  
1 credit; Lab fee required

This foundational course introduces students to a wide range of health careers, medical terminology, safety in health care, and basic structures and functions of human body systems. Integrated academics combined with health care knowledge and skills provide the framework for a strong health care delivery system in the twenty-first century. This course is a prerequisite to all courses in the Health Science cluster. It is recommended for students who want to prepare for further study in an array of health-related fields at the postsecondary level. This course is appropriate for 9th or 10th grade students.

**Sports Medicine Fundamentals (Year 2)**

**Course Code** 14062G1003  
1 credit; Course fee required  
Prerequisite – Foundations of Health Science

Sports Medicine is designed to teach students components of exercise science/sports medicine, including exploration of medical terminology, anatomy and physiology, first aid, injury prevention, nutrition, rehabilitation, and performance enhancement philosophies.

**Sports Medicine Intermediate (Year 3)**

**Course Code** 14062G1001  
1 credit; Course fee required; Prerequisite – Sports Medicine Fundamentals

Sports Medicine Intermediate teaches fundamental skills to include therapeutic exercise regimens
within the field of sports medicine. Students will explore the study of sports medicine and the relationship to risk management and injury prevention. Students will demonstrate an understanding of anatomy and physiology, with emphasis on the musculoskeletal system. The importance of health promotion, wellness, injury and disease prevention will be emphasized. Students will examine sports medicine facilities, policies, procedures, and protocols utilized in patient care.

**Sports Medicine Advanced (Year 4)**  
Course Code 14062G1002  
1 credit; Course fee required; Prerequisite – Sports Medicine Intermediate

This course places strong emphasis on musculoskeletal injuries as well as the psychological and sociological responses to injuries and illness. Students will demonstrate critical thinking skills related to prevention, rehabilitation, management, and communication of appropriate outcomes through oral and written communication. An analysis of a variety of health situations involved in the sports medicine pathway will be conducted through project-based learning, laboratory, simulation, and clinical experiences. Sports Medicine Advanced is appropriate for 11th or 12th graders.

**Health Sciences Academy: Project Lead the Way Biomedical Sciences**

**PLTW Principles of Biomedical Science with embedded Career Prep A and Health (Year 1)**  
Course Code 14252G1002  
1 credit; Course fee required

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person’s life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. This course is appropriate for 9th or 10th grade students.

**PLTW Human Body Systems (Year 2)**  
Course Code 14299G1002  
1 credit; Course fee required; Prerequisite – PLTW Principles of Biomedical Science

This course focuses on human physiology: how the body systems work together to maintain internal balance and good health. Through projects such as determining the identity of a skeleton using both forensic anthropology and DNA analysis, students examine the interactions of human body systems and apply what they know to solve real-world medical cases.
PLTW Medical Interventions (Year 3)
Course Code 14299G1003
1 credit; Course fee required; Prerequisite – PLTW Human Body Systems

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

Health Sciences Academy: Pharmacy

Foundations of Health Science with embedded Career Prep A and Health (Year 1)
Course Code 14002G1001
1 credit; Lab fee required

This foundational course introduces students to a wide range of health careers, medical terminology, safety in health care, and basic structures and functions of human body systems. Integrated academics combined with health care knowledge and skills provide the framework for a strong health care delivery system in the twenty-first century. This course is a prerequisite to all courses in the Health Science cluster. It is recommended for students who want to prepare for further study in an array of health-related fields at the postsecondary level. This course is appropriate for 9th or 10th grade students.

Introduction to Pharmacy (Year 2)
Course Code 14152G1000
1 credit; Course fee required; Prerequisite – Foundations of Health Science

Introduction to Pharmacy introduces students to the pharmacy profession. Course content emphasizes the history of medicine, mathematics, technology, and legal issues.

Pharmacy Technician (Year 3)
Course Code 14152G1001
1 credit; Course fee required; Prerequisite – Introduction to Pharmacy

This course is a one credit course that prepares students for the Pharmacy Technician Certification exam and a pharmaceutical career. The course covers content related to medicine, federal requirements, patient safety, quality assurance, and order processing.
Public Safety Academy

Law Enforcement Concentration

Suggested Pathway

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<th>Introduction Course*</th>
<th>Introduction Course 2*</th>
<th>Specialization Course</th>
<th>Specialization Course</th>
<th>College/Career Ready Certifications</th>
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<tr>
<td>Introduction to Public Safety</td>
<td>Law Enforcement and Corrections</td>
<td>Forensic Science and Crime Scene Investigation</td>
<td>Advanced Law Enforcement</td>
<td>To Be Announced</td>
</tr>
</tbody>
</table>

*All students will take Introduction to Public Safety and Law Enforcement and Corrections as their first and second year courses before choosing specialization courses.

Introduction to Public Safety with embedded Career Prep A (Year 1)

Course Code 15001G1000
1 credit; Lab fee required

Introduction to Public Safety is a foundational course that helps students develop the knowledge and skills necessary for success and advancement in specialized preparatory programs for public service jobs. The course emphasizes emergency preparedness, basic first aid, fire management services, legal services, and corrections and law enforcement services. This course is appropriate for 9th or 10th grade students.

Law Enforcement and Corrections (Year 2)

Course Code 15054G1001
1 credit; Lab fee required; Prerequisite – Introduction to Public Safety

Law Enforcement and Corrections is designed to align with the curriculum that many law enforcement academies require and is intended for students who may be interested in pursuing a career in this field. Law Enforcement and Corrections provides an overview of the history, organization, and functions of local, state, and federal law enforcement agencies. Students will examine the role of constitutional law at local, state, and federal levels; the United States legal system; criminal law; law enforcement terminology and procedures; and the classification and elements of crime according to the Criminal Code of Alabama. This course is appropriate for 10th through 12th grade students.
**Forensic Science and Crime Scene Investigation**

Course Code 15055G1000

1 credit; Lab fee required; Prerequisite – Biology; a Physical Science; Geometry/Geometry with Data Analysis & Algebra I/Algebra I with Probability, any level; Introduction to Public Safety and Law Enforcement and Corrections

*May be counted as a science course for graduation credit (Grades 11 or 12) or a CTE course if the student is enrolled in the Law Enforcement pathway. This class may not count for both a science credit and CTE credit.*

Forensic Science and Crime Scene Investigation teaches students to apply chemistry, physics, and biology to a suspect, a criminal act or behavior, or a victim. This course prepares students in two distinct concentrations. The Forensic Science portion focuses on working in a crime lab setting as a forensic scientist or technician. Crime Scene Investigations covers the application of the scientific method at a crime scene, including scene processing and the identification and collection of evidence. This course is appropriate for 11th or 12th grade students.

**Advanced Law Enforcement**

Course Code 15054G1000

1 credit; Lab fee required; Prerequisite – Introduction to Public Safety and Law Enforcement and Corrections

In Advanced Law Enforcement, students prepare for enrollment in police academy and for the certification required for employment as a law enforcement officer. The student will learn the roles and responsibilities of law enforcement officers in a variety of settings; discuss relevant rules, regulations, and laws; demonstrate patrol, communication, and advanced police techniques; and demonstrate CPR and first aid procedures as used in emergency situations. This course is appropriate for 11th or 12th grade students.
TV Production Academy

Suggested Pathways

<table>
<thead>
<tr>
<th>Introduction Course 1*</th>
<th>Introduction Course 2*</th>
<th>Specialization Course</th>
<th>Specialization Course</th>
<th>Specialization Course</th>
</tr>
</thead>
</table>

*All students will take Foundations of AAVTC and Introduction to TV Production as their first and second year courses before choosing specialization courses.

College/Career Ready Certifications:
Adobe-Photoshop Certified Associate, Adobe-Premiere Pro Certified Associate, Adobe After Effects Certified Associate
If a student earns all three certifications, he/she has Video Production Specialist status to add to his/her resume.

Foundations of Arts, A/V Technology, & Communications with embedded Career Prep A (Year 1)
Course Code 11990G1001
1 credit; Lab fee required

This course is designed to introduce students to both print and broadcast media. Students who are interested in developing writing and computer skills should take this course. Foundations is designed to introduce students to the areas of Advertising Design, Animation, Commercial Photography, Graphic Arts, and Television Production. This course is appropriate for 9th or 10th grade students.

Introduction to Television Production (Year 2)
Course Code 11051G1015
1 credit; Lab fee required; Prerequisite – Foundations of Arts, A/V Technology, & Communications

This class is dedicated to covering the fundamentals of production from a creative and journalistic point of view. Students will learn how to film events, report news stories, create movies from the drawing board to the projection screen, and will learn how to edit using Adobe Photoshop & Adobe Premiere Pro. Students will learn how to use equipment such as cameras, microphones, and lighting. The course focuses on film studies, including reviewing and critiquing films that represent the Major Themes in
Young Adult Films. Students are required to create a short film that could possibly be entered into the THS Student Film Festival. Students will have the opportunity to earn a certification in both Adobe Photoshop and Adobe Premiere Pro. This course is appropriate for 10th through 12th grade students.

**TV Production-Writing, Producing, Performing**

Course Code 11051G1025  
1 credit; Lab fee required
Prerequisite – Foundations of Arts, A/V Technology, & Communications, Introduction to Television Production, and application

TV Production provides students with a variety of real-world learning opportunities through laboratory experiences in television writing, producing, and performing. This course is appropriate for 10th through 12th grade students.

**CTE Lab in Arts, A/V Technology, & Communications**

Course Code 11197G1002  
1 credit; Lab fee required; Prerequisite – Foundations of Arts, A/V Technology, & Communications and 1 other TV Production course

This course is an extended laboratory experience to address the advancement and specialization of careers within Arts, A/V 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. This course is appropriate for 11th or 12th grade students.

**Career Pathway Project – Arts, A/V Technology & Communications**

Course Code 11197G1001  
1 credit; Lab fee required; Prerequisite – Foundations of Arts, A/V Technology, & Communications and 1 other TV Production Course

Career pathway project is 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. This course is for 11th and 12th grade students.
The Academy of Craft Training

The Academy of Craft Training is a public/private partnership between the construction industry and the State of Alabama’s K-12 education system. Their mission is to recruit, educate, and guide high school students for educational and employment opportunities in the construction industry. The Academy of Craft’s goal is to help students get the education and skills they need to be entry-level, skilled workers in the construction industry.

Pathways include building construction, electrical technologies, HVAC, and welding. These pathways may be subject to change per the Academy and/or the Alabama State Department of Education. All courses use the National Center for Construction Education and Research (NCCER) curriculum. Instructors are all industry professionals currently affiliated with local construction companies, post-secondary institutions, and/or national construction professional organizations.

The Academy of Craft is located in downtown Birmingham. Students will take an ACS bus to and from the facility each school day. Students are not allowed to drive their own vehicle.

Students must complete an application and participate in an interview at the Academy of Craft facility. Only junior and senior students are eligible to participate.

If students or parents have questions about this program, please contact the Career Coach and the grade level counselor.
Contacts

If parents or students have any questions about courses, pathways, recommended courses for college/career, certifications, or any other academic related topic, please contact the following individuals:

- Danleigh Jenkins, 9th grade counselor, danleigh.jenkins@acsboe.org
- Dr. Ratonya Mosley, 10th grade counselor, ratonya.mosley@acsboe.org
- Traci McGee, 11th grade counselor, traci.mcgee@acsboe.org
- Heather Myles, 12th grade counselor, heather.myles@acsboe.org
- Pam Vickers, College Counselor including dual enrollment and NCAA, pam.vickers@acsboe.org
- Jah’zmin Young, Career Coach, jahzmin.young@acsboe.org
- Kristen Westwood, Assistant Principal of Curriculum and CTE, kristen.westwood@acsboe.org
- Dr. Amanda Wilbanks, Coordinator of Secondary Curriculum and Instruction, CTE Director, amanda.wilbanks@acsboe.org