

# **HARTSELLE HIGH SCHOOL**



## **ACADEMIC GUIDE**

**2024-2025**

## FROM THE PRINCIPAL



Dear Student,

We are pleased to be able to provide you with this booklet to serve as a guide in choosing courses for the upcoming year and planning for the rest of your high school career. I urge you to read this information carefully and make choices wisely.

The selection of high school courses is an important decision. The decision requires thought, planning, and reflection in looking forward to future educational and career plans. Therefore, course selection choices should be taken seriously. Once the registration process has ended, decisions on staffing, equipment, materials, and textbooks are made and any change after that will be limited.

Make sure you read the course descriptions to be sure all prerequisites have been met. Discuss your choices with your parents, have them sign the registration card, and return the card to the school at the end of the registration period.

I wish you great success in making these important decisions that will affect your future educational and career plans.

It's great to be a Hartselle Tiger!

Sincerely,

Dr. Brad Cooper  
Principal

# Hartselle High School



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# HARTSELLE CITY SCHOOLS

## **HARTSELLE CITY SCHOOLS' MISSION**

Inspiring and preparing ALL students for learning, leadership, and life

## **VISION**

HCS will establish itself as a premier Alabama school district by leading the way on local, state, and national levels academically, artistically, and athletically.



## **HARTSELLE HIGH SCHOOL MISSION STATEMENT**

The future belongs to the educated. Because of this, we at Hartselle High School seek to prepare our students for their futures through a rigorous and challenging curriculum that encourages both their intellectual and social growth. Our partnership with parents and the Hartselle community empowers and prepares Hartselle High School students for a successful and productive future as members of our global community.

## POLICY ON ACADEMIC HONESTY

The purpose of this policy is to make students aware of situations that allow some students an unfair advantage over other students and to clarify the procedures to be followed when violations of the policy occur. Hartselle High School wishes to outline what constitutes cheating so that students know their responsibilities:

1. **EXAMINATIONS:** Giving or receiving any form of information concerning a test before, during, or after that test without permission from the instructor is an act of cheating. The work on a test is to be the student's only.
2. **OUT-OF-CLASS WORK:** Work that is expected to be the student's own should be solely his/hers unless the student credits the source(s) used. Exceptions to this rule are assignments that may be worked on collaboratively; it is the instructor's responsibility to clearly define the circumstances where this practice should be considered appropriate. Copying homework or allowing homework to be copied is a violation of the policy.
3. **PLAGIARISM:** Using someone else's work or ideas as your own without crediting the source is a form of cheating. To avoid this, a student should identify the source of the material, words, and ideas, which are not his/her original. Teachers will take responsibility for further explaining plagiarism as it relates to their classes. A student should always consult with a teacher when in doubt.
4. **POSSESSION:** any information, written or electronic, that is in any way related to the material being tested without prior approval from the instructor is considered cheating.

*NOTE: Teachers have the obligation to make clear to students that cheating is not tolerated, to proctor in-class evaluations, and to monitor assignments. However, the responsibility for honorable behavior resides with the student.*

Teachers are to report violations of academic honesty to the principal and notify the parent. Consequences for the assignment will be determined by the teacher (no credit awarded; re-do the assignment; take a different make-up test/assignment, etc.). Should any further violation occur, additional consequences (detention or ISI) will be added by the principal and all exam exemptions are forfeited for that semester.

## **Hartselle City Schools Public Notices of Non-Discrimination**

Hartselle City Schools does not discriminate on the basis of race, color, religion, national origin, sex, age, or disability in 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 the non-discrimination policies: *(Las escuelas de la Ciudad de Hartselle no discriminan por motivos de raza, color, religión, origen nacional, sexo, edad o incapacidad. Ofrecen acceso a programas, actividades, y brindan igualdad de acceso a los Boy Scouts y otros grupos designados para los jóvenes. Las siguientes personas han sido asignadas para contestar preguntas sobre las pólizas en contra de la discriminación.)*

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## INFORMATION RELATED TO GRADES AND CREDITS

### GRADING SCALE

<u>Grade</u>	<u>Grade Scale</u>	<u>Standard</u>	<u>Advanced</u>	<u>Advanced Placement/Dual Enrollment</u>
A	90-100	4.0	4.5	5.0
B	80-89	3.0	3.5	4.0
C	70-79	2.0	2.5	3.0
D	60-69	1.0	1.5	2.0
F	59-Below	0	0	0
I	Incomplete			

### GUIDELINES FOR TRANSFER STUDENTS

#### **Enrollment**

All students must be enrolled by their legal guardian residing in the City of Hartselle. All documents for registration must be presented to the Hartselle City Board offices prior to enrolling in a school. Power of Attorney will not be accepted as proof of guardianship.

#### **Transfer Students**

Counselors and/or administrators will review the awarding of credit and placement in classes for all incoming transfer students. A transcript of grades and credits earned from the transfer student's previous school is required for registration.

#### **Transfer Grades**

Students transferring into Hartselle High School will not have weighted credit added to courses unless credit was weighted by the previous school and is recognized as an advanced-level course by Hartselle High School.

#### **Transfer Student Course Enrollment**

Students enrolling after a semester begins will be responsible for the same course material as those in full attendance. When a student transfers from another school, the student's grades will be averaged proportionally based on the number of weeks attended in each school. Credits from non-accredited education agencies will not be accepted by Hartselle High School unless content mastery is verified by a standardized exam.

## REGISTRATION PROCESS

<b>Date</b>	<b>Registration Activity</b>
January 29, 2024	Class Meetings
January 18, 2024	Finding your Future in Hartselle Night
February 12-16, 2024	Choice Cards due in history classes for Registration
February 23, 2024	Students without choice cards turned in will have classes chosen for them.
May 22, 2024	Final changes made to any course selection for the 2024-2025 school year

### Registration

Hartselle High School offers a comprehensive educational program designed to meet the needs and interests of all students. The master schedule is developed from course requests submitted during the month of February and is finalized in April in order to create students' and teachers' schedules for the entire school year. It is imperative that parents and students seek the guidance of counselors, teachers, and administrators when choosing courses. The timeline is in place to ensure students have an appropriate completed schedule when classes begin in August.

### Course Request Verifications

Each student will receive a copy of his or her course request verification by May. There is always the possibility that a class will be limited to the higher grades due to heavy enrollment or a class will not be scheduled due to an insufficient number of students selecting that subject. In those instances, counselors will choose from a list of alternate courses that each student identified on his or her returned registration card. A window for making any final changes will be open during May.

### Schedule Changes

The final master schedule is built around student selections and teachers are hired and assigned on this basis. NO CHANGES to core class selections will be made after May. A window of 10 days for elective changes will be allowed in August. After that, any changes made will be due to teachers' and administrators' requests because of misplacement.

### Schedule Change Fee

Students changing schedules for electives during the first ten days of school will be charged a fee of \$10.00. Requests may not be honored if classes are at capacity or if a conflict exists between current required courses and desired courses. Schedules will be changed without charge if course sequencing is out of order, a schedule is incomplete, a course must be added back due to a non-passing grade, a summer school course has been passed, or any other reason deemed academically necessary by the administration.



## HHS DROP/ADD POLICY 2024-2025

May 22, 2024	Last day to drop/change a core class.
August 9, 2024	Last day to drop an elective class, including virtual class, without penalty. These dropped courses will not reflect on the transcript or the student's GPAs.
After August 16, 2024	After August 16, 2024, courses that are dropped, including athletics and virtual classes, will be reflected on the transcript and GPA for the fall semester.
December 20, 2024	For the 2nd semester, students may make changes with teacher/parent permission; students may adjust core class placements. Second-semester electives including athletics and virtual classes may be dropped or changed without penalty.
After December 20, 2024	After December 20, 2024, courses that are dropped, including athletics and virtual classes, will be reflected on the transcript and GPA for the spring semester.
For students with an IEP/504	The IEP/504 team may make changes in placement and educational services at any time without penalty.
Teacher Recommendation	If teachers notice that students are grossly misplaced in core classes during the semester, classes may be changed to a more appropriate class, pending availability, parental agreement, and administrative approval. Assessment data will be the determining factor in the appropriate placement, not necessarily student effort or current grades.

## **PROMOTION/GRADE CLASSIFICATION**

Grade Level	Number of Credits Required for Promotion
10	5
11	11
12	17
Total of 24 credits required for graduation	

## **HONOR GRADUATES**

Honor Graduates are graduating seniors who are pursuing an Honors Diploma and have maintained an overall grade point average of 4.0 (on a 4.0 scale) on all credit-bearing courses taken during 8th grade and all courses taken 9th grade through the second term of the senior year.

## **EXTRA-CURRICULAR ELIGIBILITY**

To participate in all competition-based activities, students must meet the following criteria:

- The student must have earned a minimum of six credits including the core courses (math, science, English, social studies) during the preceding school year.
- He or she must also have a grade average of 70 or above in six classes which must include the four core and two electives.
- The student-athlete must reside within the Hartselle City School District. If the student-athlete is living out of the district, he or she must have attended a Hartselle City School the preceding year.

## **NCAA INITIAL ELIGIBILITY**

All prospective student-athletes planning to enroll in an NCAA Division I or Division II institution must register with the NCAA Clearinghouse by the end of their junior year. Please visit [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net) for detailed information and instructions. Not all courses offered at Hartselle High School meet the NCAA eligibility requirements. Student-athletes who have questions regarding core course selections for NCAA purposes should see their counselor. It is the responsibility of the students and parents to make sure the courses they elect to take meet all NCAA requirements.

## **CREDIT INTERVENTION**

Students who have a failing score for a nine-week grading period may participate in the credit intervention program. By enrolling in the program through the guidance department, students will be afforded an opportunity to improve their score for the particular grading period they failed; students will complete prescribed coursework via the school's virtual learning platform (EDMENTUM). The maximum grade that may be earned for the nine-week grading period is 70.

## **CREDIT RECOVERY**

Hartselle High School students may only take a course via credit recovery if they have previously taken and failed the same course with a grade of 40 or above. The maximum grade that can be earned for a credit recovery class is 60. Please note that credit recovery courses are not NCAA-approved unless taken via ACCESS.

# ACADEMICS

## ADVANCED PLACEMENT COURSES

- More than 90% of four-year institutions in the United States grant credit, advanced placement, or both based on the basis of qualifying AP exam scores. For more info: [www.collegeboard.com](http://www.collegeboard.com)
- AP course experience favorably impacts 85% of admission decisions of selective colleges and universities.
- AP coursework increases scholarship opportunities and greatly improves the chances of college admission.
- Students who take AP courses and exams are much more likely than their peers to complete a college degree on schedule in 4 years (a 5<sup>th</sup> year is estimated to cost families between \$18,000 - \$29,000).
- AP students perform better and are more successful in college than non-AP students.
- AP prepares students majoring in engineering, biochemistry, and other STEM (science, technology, engineering, and mathematics) majors in college.
- AP students perform better in their intermediate-level STEM coursework than students with the same SAT score who had taken the college’s own introductory course.

Hartselle High School offers a wide range of Advanced Placement courses and administers Advanced Placement exams in May of each year. Students and parents should be sensitive to the demanding nature of Advanced Placement courses. Students will be involved in college-level activities, particularly in the areas of writing skills, reading, and test-taking. AP courses place a high degree of emphasis on the student’s self-motivation, study skills, and the ability to self-direct his/her own learning. If you have questions about a student’s potential in an AP course, please speak with a counselor or the AP teacher in question.

- It is highly recommended that students consult with their college(s) of choice, as college credit may be earned by scoring a 3, 4, or 5 on the exam.
- Weighted credit is only awarded upon completion of the entire course
- Students must take the AP Exam in order to receive weighted credit
- Careful attention should be given when selecting an AP course or courses as students will not be allowed to drop an AP course without administrative approval.

AP Courses Offered at Hartselle High School	
AP Biology	AP Music Theory
AP Calculus AB	AP Precalculus
AP Chemistry	AP Physics I
AP Computer Science A	AP Psychology
AP Computer Science Principals	AP Seminar
AP Language and Composition (11th)	AP Statistics
AP Literature and Composition (12th)	AP United States History
AP Environmental Science	AP World History
AP Government	AP 2-D Art and Design
AP Macroeconomics	

### **ADVANCED COURSES**

These classes are designed for the college-bound student. The curriculum follows the Alabama Course of Study, but at an accelerated pace with an emphasis on problem-solving, analysis, writing, research, and enrichment, and/or laboratory experiences. Advanced courses receive a weighted credit of .5 in the calculation of GPA. Careful attention should be paid when selecting advanced courses, as students will not be allowed to drop advanced courses without administrative approval.

<b>Advanced Courses Offered at Hartselle High School</b>	
Advanced Biology	Advanced US History 10
Advanced Chemistry	Advanced English 9
Advanced Physics	Advanced English 10
Principles of Engineering (science 11th or 12th)	Advanced Algebra II
Advanced Human Anatomy and Physiology	Human Body Structures (science 11th or 12th)
Advanced Geometry	Health Science Internship (12th grade)
	Pharmacy Technician

### **DUAL ENROLLMENT**

Dual credit courses are college courses taken in conjunction with a cooperating college. These courses count simultaneously for high school and college credit. Students must have prior permission from the administration to enroll for dual credit and must meet the requirements specified by the college.

- Students eligible for dual enrollment must have completed their freshman year and have a minimum 3.0 GPA for academic core courses (ex.English 101/102) and a 2.5 GPA for career technical elective courses (ex. DDT 111/144).
- Tuition and course fees are the responsibility of the student or his/her parents or guardians. For college credit earned through dual enrollment to count toward a degree at another institution, the student must request for his/her transcript to be sent directly from the college where the credit was earned to the institution of choice. .
- Dual Enrollment courses receive weighted credit of 1.0 in the calculation of GPA.

Hartselle High School has partnered with Calhoun Community College to offer many dual enrollment opportunities on the Hartselle High School campus. Please visit Calhoun’s site for information regarding dual enrollment: <https://calhoun.edu/dual-enrollment/dual-enrollment-application/>

- General Education Short-Term Certificate: <https://catalog.calhoun.edu/general-education-0>
- General Education Associate Transfer Degree: <https://catalog.calhoun.edu/general-studies/general-studies-general-education-concentration>
- Stars Guide for Dual Enrollment: [http://stars.troy.edu/equivalency\\_tables.html](http://stars.troy.edu/equivalency_tables.html)

**Dual Enrollment Courses offered at Hartselle High School**

<u>Hartselle High School Class</u>	<u>Calhoun Dual Enrollment Class</u>
<b><u>ENGLISH</u></b>	<b><u>ENGLISH</u></b>
AP Literature and Composition (11th)	ENG 101 and ENG 102
AP Literature and Composition (12th)	ENG 261 and ENG 262
<b><u>HISTORY</u></b>	<b><u>HISTORY</u></b>
HIS 201 (10th or 11th)	HIS 201
HIS 202 (10th or 11th)	HIS 202
<b><u>SCIENCE</u></b>	<b><u>SCIENCE</u></b>
AP Biology	BIO 103 and BIO 104
AP Chemistry	CHM 111 and CHM 112
Anatomy and Physiology, Adv	BIO 201 and BIO 202
<b><u>MATH</u></b>	<b><u>MATH</u></b>
Precalculus	MTH 112
AP Precalculus	MTH 112 and MTH 113
AP Calculus	MTH 125
AP Statistics	MTH 265
Introduction to Engineering Design	MTH 132
<b><u>ELECTIVE</u></b>	<b><u>ELECTIVE</u></b>
Survey of the Old Testament	REL 151
Survey of the New Testament	REL 152
<b><u>CAREER TECHNICAL</u></b>	<b><u>CAREER TECHNICAL</u></b>
Engineering Design and Drawing	DDT 111 and DDT 144
Welding	WDT 124 and WDT 122
Manufacturing I	WKO 141 and WKO 142
Manufacturing II	WKO 143 and WKO 144
Intro to Criminal Justice	CRJ 100
Police Patrol	CRJ 110
Computer-Aided Design	DDT 144
Architectural Computer-Aided Design	DDT 132

### CAREER ACADEMIES

Hartselle High School offers a series of classes that students may opt to take in ten career clusters. Students are encouraged to explore electives in areas of interest and/or in areas where career aptitude tests indicate potential success and satisfaction as a career choice. Students taking these courses could potentially earn a career technical credential/certificate. The courses offered will help students make connections to college studies and careers. Hartselle High makes an effort to provide challenging, project-based, applied training exposing students to as much as possible in a potential career field.

#### Career Academies Offered at Hartselle High School

*Students completing four courses in a career academy pathway can earn a cord to wear at graduation.*

Medical Academy	Business/Marketing Academy
Engineering and Computer Science Academy	Agriculture Academy
Education & Training Academy	Fine Arts Academy
Manufacturing Academy	Public Law and Safety Academy
Building Construction Academy	Military Leadership Academy

### HARTSELLE VIRTUAL ACADEMY

Hartselle High School will offer a personalized learning experience and flexible learning environment for each student with courses offered through our Virtual Academy. Students must be approved by an administrator to participate in HVA. This is another effort to personalize the learning experience for each student to make him/her as college/career-ready as possible. Online learning is not always “easier” or “faster.” With the freedoms afforded to this style of learning come high expectations.

#### **Virtual Academy classes will not be the best option for everyone.**

- All exams must be taken on campus, but all other work can potentially be done outside of school and during normal school hours.
- Students in the online class work independently unless requested to come to HHS by their virtual class teacher.
- If at any time a student falls behind, virtual teachers will contact the student and the parents ASAP- just as they would in the traditional class setting.
- If a student is not being successful, the teacher/counselor will work with the student to complete a plan for success. This includes the student being assigned face-to-face time in the classroom until the student gets back on track.
- Virtual classes are currently offered for 9th – 12th graders.
- **It is recommended that students interested in virtual classes should have a strong work ethic, read on grade level, have an ability to work independently, and possess an overall grade point average of 2.5 to be successful in a virtual course.**

## ACCESS Virtual Learning Program

Hartselle City participates in ACCESS (Alabama Connecting Classrooms Educators and Students Statewide) Virtual Learning, a program sponsored by the Alabama Department of Education. ACCESS is available to all public school students in grades 9 – 12 and provides students the opportunity to take coursework that may not be available at their school or to allow for more flexible scheduling. All courses are high quality, follow Alabama Course of Study Standards, and are taught by Alabama-certified teachers. The flexibility of the ACCESS program allows students to complete their coursework in any place where reliable computer and internet service is available. Students may work any time, any place, and at any pace. Students must complete Unit/Module tests, midterms, and finals at school under the direct supervision of an ACCESS-trained facilitator. All coursework needed to meet graduation requirements is provided through ACCESS. This list may change before the beginning of the next school year. All requests for ACCESS courses must be made through your school counselor.

**\*\*\*For further information, please see your guidance counselor.\*\*\***

## COLLEGE AND CAREER READINESS INDICATORS

To be considered “College or Career Ready” by the Alabama State Department of Education, a high school student must meet ONE of the following criteria:

CCRI	Requirement to meet CCRI
AP Exam	Qualifying score of a 3 or higher
ACT	Meet benchmark in one area: English 18; Math 22; Reading 22; Science 23
WorkKeys	Meet benchmark score of silver level or 4 or higher
College Credit	Receive transcribed college or postsecondary credit
Military	Enlist in the military
Credential	Receive a CTE Credential

## SECONDARY TESTING

<u>Grade Level</u>	<u>Standardized Testing</u>	<u>Approximate Time of Year</u>
9, 10, & 11	PSAT (practice/optional)	Fall
10	Practice ACT (required)	Fall
10,11, & 12	District ACT (optional)	Fall
11	PreACT (required)	Fall
11	ACT (required)	Spring
12	WorkKeys (required)	Fall

### PSAT

The Preliminary SAT/National Merit Scholarship Qualifying Test is developed by The College Board and measures critical reading, math problem-solving, and writing skills. The PSAT is the best preparation for the SAT, which is one of two college admission exams (ACT is the other). Students will take the test in the fall of the eleventh grade to qualify for the National Merit Scholarship Corporation’s scholarship programs. Sophomores and Freshmen benefit from taking the test because they will receive personalized feedback on the academic skills needed for college. By taking the test before eleventh grade, students have more time to develop skills and begin the college planning process. There is a small cost associated with taking the test for sophomores and freshmen.

### SAT

The SAT is developed by The College Board. SAT score results help assess a student’s academic preparedness for college. Some colleges require SAT scores as an admission requirement. The SAT Reasoning Test includes three parts: Writing, Critical Reading, and Math. Students who plan to use the SAT for college admission are encouraged to take the test in the spring of their junior year. Students who are strong verbally often score higher on the SAT than they do on the ACT. Students interested in taking the SAT should visit [www.collegeboard.org](http://www.collegeboard.org).

### Practice ACT

All students enrolled in Grades 9 and 11 will take the Practice ACT at HHS. This is a multiple-choice exam that is very similar to the ACT. This exam provides a predicted score range of what the student might make on the ACT. This test includes the English, Reading, Math, and Science that mirror the ACT.

### PreACT

All students enrolled in Grade 10 will take the PreACT at HHS. This is a multiple-choice exam that is very similar to the ACT. This exam provides a predicted score range of what the student might make on the ACT. This test includes the English, Reading, Math, and Science that mirror the ACT.

### ACT

All students enrolled in Grade 11 will take the ACT with Writing at HHS. The ACT is a national college admission exam that consists of subject area tests in English, Mathematics, Reading, and Science Reasoning. The ACT Plus Writing includes the four subject areas plus a 30-minute writing test. The writing measures the student’s skills in planning and writing. Benchmark scores for the ACT are as follows: English - 18; Reading - 22; Math - 22; and Science - 23. Students can register for the ACT at [www.ACT.org](http://www.ACT.org).

### WorkKeys

All students enrolled in Grade 12 will take a job skills assessment to determine career readiness in specific job-related areas.



**ALABAMA HIGH SCHOOL DIPLOMA**

<b>Areas of Study</b>	<b>Requirements</b>	<b>Credits</b>
English Language Arts	English 9, 10, 11, 12 or any Advanced or AP course	4
Mathematics	Geometry with Data Analysis, Algebra I with Probability, and Algebra II with Statistics OR equivalent. Plus one additional math course	4
Science	Biology, a physical science, plus two additional science courses	4
Social Studies	World History, US History 10, US History 11, and Government/Economics or Advanced/AP or equivalent	4
Physical Education	Beginning Kinesiology	1
Health Education	Health or equivalent (Foundations of Medicine)	.5
Career Preparedness A & B	Career Preparedness or equivalent (Embedded in Intro-level career-tech class CP-A and economics CP-B)	1
Career Tech and/or Foreign Language and/or Fine Arts	Students choosing CTE, Fine Arts, and/or Foreign Language are encouraged to complete at least two courses	3
Electives		2.5 minimum
Total Credits		24

## ALABAMA HIGH SCHOOL DIPLOMA WITH HONORS

Areas of Study	Requirements	Credits
English Language Arts	Advanced, AP, or equivalent all four years	4
Mathematics	Adv Geometry with Data Analysis, Adv Algebra II with Statistics, Adv Pre-Cal, AP Pre-Cal, one additional AP math, or equivalent	4
Science	-Adv Biology, Adv Chemistry, two additional advanced, AP or equivalent -Advanced, AP, or equivalent all four years	4
Social Studies	-AP World History, Adv US History 10, AP US History 11, AP Econ/AP Gov or equivalent -Advanced, AP, or equivalent all four years	4
Physical Education	Beginning Kinesiology	1
Health Education	Health or equivalent (Foundations of Medicine)	.5
Career Preparedness A & B	Career Preparedness or equivalent (Embedded in Intro-level career-tech class CP-A and economics CP-B)	1
Foreign Language	Two courses of the same language	2
Career Tech or Fine Arts	Career tech, Fine art or one additional foreign language	1
Electives		4.5
Total Credits		26

# GRADUATION REQUIREMENTS CHECKLIST

NAME: \_\_\_\_\_

Diploma Type:    \_\_\_ Standard    \_\_\_ Honors (26 credits, Adv/AP classes, and 2 Foreign Language courses in sequence)

## CORE REQUIREMENTS

English 4 Credits	Math 4 Credits <b>**Must include equivalents of Alg. 1, Geometry, and Alg. II</b>	Science 4 Credits <b>**Must include Biology and a Physical Science</b>	Social Studies 4 Credits
<p style="text-align: center;"><b><u>STANDARD</u></b></p> <p>___ English 9</p> <p>___ English 10</p> <p>___ English 11</p> <p>___ English 12</p> <p>___ ENG 101</p> <p>___ ENG 102</p> <p>Other: _____</p>	<p style="text-align: center;"><b><u>STANDARD</u></b></p> <p>___ Algebra I</p> <p>___ Geometry</p> <p>___ Algebra II</p> <p>___ Introduction to Computer Science</p> <p>___ Mathematical Modeling</p> <p>___ Introduction to Engineering Design</p> <p>Other: _____</p>	<p style="text-align: center;"><b><u>STANDARD</u></b></p> <p>___ Biology</p> <p>___ Physical Science</p> <p>___ Forensic Science</p> <p>___ Chemistry</p> <p>___ Earth and Space</p> <p>___ Environmental Sci</p> <p>___ Introduction to Computer Science</p> <p>___ Cybersecurity</p> <p>Other: _____</p>	<p style="text-align: center;"><b><u>STANDARD</u></b></p> <p>___ World History</p> <p>___ US History 10</p> <p>___ US History 11</p> <p>___ Economics (½ credit)</p> <p>___ Government (½ credit)</p> <p>Other: _____</p>
<p style="text-align: center;"><b><u>HONORS</u></b></p> <p>___ Adv English 9</p> <p>___ Adv English 10</p> <p>___ AP Seminar</p> <p>___ AP English 11</p> <p>___ ENG 101/102</p> <p>___ AP English 12</p> <p>___ ENG 261/262</p> <p>Other: _____</p>	<p style="text-align: center;"><b><u>HONORS</u></b></p> <p>___ Adv Geometry</p> <p>___ Adv Alg. II</p> <p>___ Adv PreCalculus</p> <p>___ AP PreCalculus</p> <p>___ AP Calculus AB</p> <p>___ AP Calculus BC</p> <p>___ AP Comp. Sci. Princip.</p> <p>___ AP Statistics</p> <p>___ AP Computer Science Principles</p> <p>___ AP Computer Science A</p> <p>Other: _____</p>	<p style="text-align: center;"><b><u>HONORS</u></b></p> <p>___ Adv Biology</p> <p>___ Adv Chemistry</p> <p>___ Adv Human Anatomy</p> <p>___ Human Body Structures</p> <p>___ Adv Physics</p> <p>___ Princip. of Engineering</p> <p>___ AP Biology</p> <p>___ AP Chemistry</p> <p>___ AP Environmental Sci</p> <p>___ AP Physics 1</p> <p>___ AP Computer Science Principles</p> <p>___ AP Computer Science A</p> <p>Other: _____</p>	<p style="text-align: center;"><b><u>HONORS</u></b></p> <p>___ AP World History</p> <p>___ Adv US History 10</p> <p>___ HIS 201</p> <p>___ AP US History 11</p> <p>___ HIS 202</p> <p>___ AP Economics (½ credit)</p> <p>___ AP Government (½ credit)</p> <p>Other: _____</p>

## ELECTIVE REQUIREMENTS

<p style="text-align: center;"><b><u>REQUIRED ELECTIVES</u></b></p> <p>___ Health (½ credit)    <b>OR</b>    ___ Found. of Health Sci (1 credit)</p> <p>___ Beg. Kin. (1 credit)    <b>OR</b>    ___ CAP/Marching Band/Colorguard (2 years)</p> <p>___ Career Prep A    <b>AND</b>    ___ Career Prep B</p> <p>Career Tech, Foreign Language*, or Fine Art (3 credits)</p> <p><small>*Two Foreign Language courses in sequence and 26 total credits are required for the honors diploma.</small></p>	<p style="text-align: center;"><b><u>ELECTIVES</u></b></p> <p><input type="checkbox"/> _____</p> <p><input type="checkbox"/> _____</p> <p><input type="checkbox"/> _____</p> <p><input type="checkbox"/> _____</p>
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**CLUBS AND ORGANIZATIONS**

<b>Club</b>	<b>Teacher Contact</b>
Ambassadors	Sloan Sittason
Art Club	Melanie Calvert
Band	Randall Key
Baseball (Freshmen Boys, JV Boys, & Varsity Boys)	William Booth
Basketball (Freshmen Boys, JV Boys, & Varsity Boys)	Faron Key
Basketball (JV Girls & Varsity Girls)	Amber Deline
Bowling (Varsity Girls & Varsity Boys)	Shanna Coan
Cheerleaders (JV & Varsity)	Sonie Wilson
Choirs	Kate Dupuis
CAP (Civil Air Patrol)	Colonel Williams
Color Guard	Randall Key
Cross Country (Boys and Girls)	Joe Betterton
Dance Team	Tisha Bates
DECA (Marketing)	Margaret Ann Praytor
Environmental	Lindsey Crumpton
eSports	Bucky Garner
FBLA (Future Business Leaders of America)	Linda Roberts
FCA (Fellowship of Christian Athletes)	Dyroma Burroughs
FFA (Future Farmers of America)	Austyn Randolph
Fishing Team	Heather Bennett
Football (JV & Varsity)	Bryan Moore
FTA (Future Teachers of America)	Nanette Edde
Golf (Boys & Girls)	Jake Tiffin
HOSA- Future Health Professionals	Kim Goins
International Thespian Society	Lisa King
Journalism	Dyroma Burroughs
Key Club	Jillian Ellzey
Majorette	Randall Key
Mu Alpha Theta	Donna Legg-Battles & Victoria Counce
National Art Honor Society	Melanie Calvert
National Honor Society	Dyroma Burroughs & Amber Roy
National Technical Honor Society	Nanette Edde and Lynne Shelton
SADD (Students Against Destructive Decisions)	Officer Eubanks
Scholars Bowl	Daniel Cooper
Senior Girls	Krisee Terry
SGA (Student Government Association)	Jennifer Lee
Skills USA	Austyn Randolph
Soccer (Girls)	Chasity Hughes
Soccer (Boys)	JD Atkins
Softball (JV & Varsity)	Anna Hall
Spanish Club	Kellye Lyon
Speech and Debate	Kelly Cimino
Tennis (Boys & Girls)	Chris Pressnell
Theatre	Lisa King
Tiger Buddies	Ally McCaghren
Track and Field (Boys & Girls)	Matthew Cole
TSA (Engineering & Computer Science)	Kim Pittman & Bucky Garner
Volleyball (JV Girls & Varsity Girls)	Lindsey Crumpton
Yearbook	Dyroma Burroughs

## NATIONAL HONOR SOCIETY (NHS)

NHS member requirements: Students must be in 11th or 12th grade, have a minimum GPA of 3.75, have completed two advanced classes in each core area and two units of a foreign language by graduation, complete at least 20 hours of pre-approved community service during each year of membership, and pay the \$40.00 two-year membership dues. NHS information may be found at this link:

<https://www.hartselletigers.org/Domain/1651>

## NATIONAL TECHNICAL HONOR SOCIETY (NTHS)

The National Technical Honor Society recognizes students with outstanding achievements in career and technical education. NTHS serves approximately 100,000 members across the United States and has awarded over 1.7 million in scholarships to date. Qualified candidates are notified by invitation each school year and the induction ceremony is held each January. For more information please see your career-tech teacher.

Requirements: Students must complete two career-tech classes in the same academy, be a member of academy CTSO (student organization), have an overall 3.0 GPA and a career-tech GPA of 3.75, and must not have had any discipline infractions.

## MU ALPHA THETA

*Mu Alpha Theta*, the National High School Mathematics Honor Society, is dedicated to inspiring a keen interest in mathematics, developing strong scholarship in the subject, and promoting the enjoyment of mathematics in high school students. To be considered for membership, students must have an overall “B” scholastic average, consent to system drug testing, return the application by the deadline, and attend the induction ceremony. Students’ first nine-week grade of the induction year must meet the grade requirement for membership.

Students must take Advanced or AP math courses beginning with Advanced Geometry. Students may take Algebra I in ninth grade, provided they earn an 85 or higher and continue with an advanced course the next year. These students would be inducted as seniors.

Students who take Advanced Geometry as freshmen would need to earn an “A” or “B” in that course and all subsequent advanced or AP courses. These students would be inducted as juniors. As sophomores, these students will need to earn a 95 or higher in the ninth-grade Advanced math course to earn early membership.

Questions may be directed to Donna Legg-Battles, *Mu Alpha Theta* Faculty Advisor, at [donna.battles@hartselletigers.org](mailto:donna.battles@hartselletigers.org).

# COURSE DESCRIPTIONS



## ENGLISH

<u>Grade</u>	<u>Course Name</u>	<u>Diploma</u>	<u>Credit</u>	<u>Fee</u>
9	English, Grade 9	Regular	1	
9	English, Grade 9, Adv. Level	Honors	1	\$15
10	English, Grade 10	Regular	1	
10	English, Grade 10, Adv. Level	Honors	1	\$15
10	AP Seminar	Honors	1	\$20
11	English, Grade 11	Regular	1	
11	English, Language and Composition, AP	Honors	1	\$20
12	English, Grade 12	Regular	1	
12	English, Literature and Composition, AP	Honors	1	\$20

### English, Grade 9

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.

### English, Grade 9, Adv. Level

**Prerequisite:** Instructor approval

**GPA Weighted Credit:** 0.5

This accelerated-learning course will help prepare students for Advanced Placement English Language and Advanced Placement English Literature. Advanced English 9 provides students with experiences to enrich and expand their acquisition of grammar and communication skills, appreciation of literature, organization, and presentation of ideas, and development of critical thinking skills as demonstrated through analytical writing while cultivating a variety of individual writing styles. Summer reading is required. The summer reading list is provided in the Spring Semester.

### English, Grade 10

**Prerequisite:** English 9

English 10 is a survey of early American literature to 1900. The class also includes essay writing, research, grammar enhancement, and vocabulary development.

### English, Grade 10, Adv. Level

**Prerequisite:** Advanced English 9 or instructor approval

**GPA Weighted Credit:** 0.5

This course includes all aspects of English 10 but additionally provides a foundation in preparation for the Advanced Placement Language (Grade 11) and Literature (Grade 12) courses in the years that follow, as well as college. Teachers employ strategies and materials to introduce skills, concepts, and assessment methods that prepare students for success in other challenging courses. This course focuses on developing students' ability to critically read, think, discuss, and write about literature. Students learn Advanced Placement terminology and literary terms and will be expected to perform on a more analytical level while also applying the many life lessons that are found in great works of literature. Summer reading is required.

### AP Seminar

**Prerequisite:** Advanced English 9

AP Seminar is an interdisciplinary course that encourages students to demonstrate critical thinking, collaboration, and academic research skills on topics of the student's choosing. To accommodate the wide range of student topics, typical college course equivalents include interdisciplinary or general elective courses.

## English, Grade 11

### **Prerequisite: English 10**

English 11 introduces selections in American literature from 1900 to the present with an additional emphasis on grammar, composition, and vocabulary. Students have opportunities to read and analyze a variety of literary and non-fiction texts. Additionally, students will write a number of compositions, including a research-based essay.

## English, Language & Composition, AP

### **Prerequisite: Advanced English 10 or instructor approval**

#### **GPA Weighted Credit: 1.0**

Advanced Placement English Language and Composition is a college-level course that pairs an in-depth study of American literature since 1920 with the study of rhetoric and rhetorical strategies employed in nonfiction prose. According to the College Board, the goal of this class is “to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers.” The AP Exam (or equivalent) for this course is required and will be administered in May. A \$20 fee is required for all AP courses. Summer reading is required.

## English, Grade 12

### **Prerequisite: English 11**

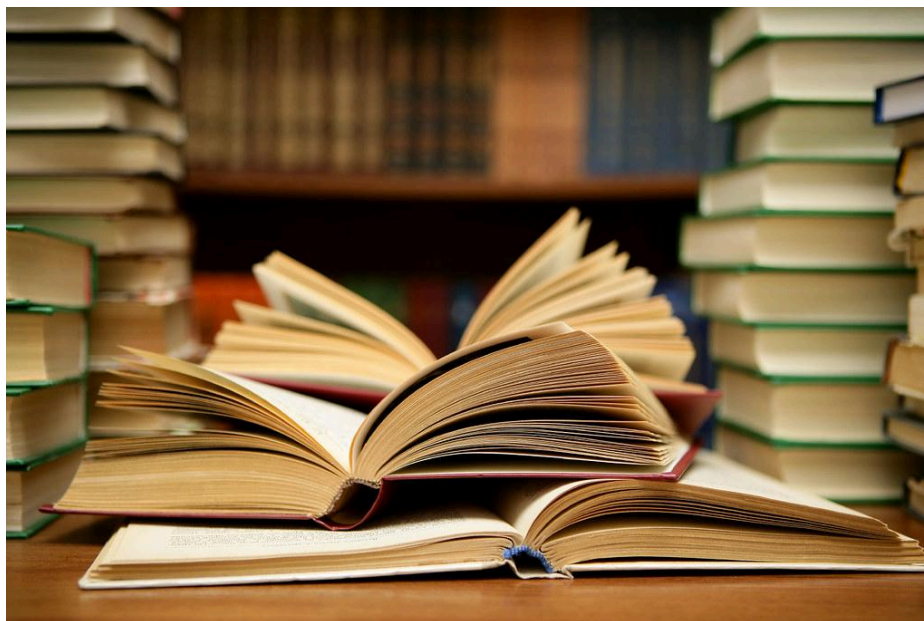
This course is designed to strengthen skills in grammar and composition. Students will read and respond to various selections from British literature and some non-fiction texts. The literature will provide the vehicle through which students learn life lessons, further develop analysis skills, and hone writing and grammar skills. The research process is taught, and students will have a major research assignment. Students will also develop writing, speaking, listening, and presentation skills to prepare them for post-secondary college and work experiences.

## English, Literature & Composition, AP

### **Prerequisite: AP English Language & Composition or instructor approval**

#### **GPA Weighted Credit: 1.0**

AP English Literature and Composition is a college-level course designed for students to read from a variety of literary masterpieces, including works for the mature reader. Emphasis is placed on literary analysis and critical composition. The AP Exam for this course (or equivalent) is required and will be administered in May. A \$20 fee is required in all AP courses. Summer reading is required.





## SOCIAL STUDIES

<u>Grade</u>	<u>Course Name</u>	<u>Diploma</u>	<u>Credit</u>	<u>Fee</u>
9	World History: 1500-Pres, Gr 9	Regular	1	
9	World History, AP	Honors	1	\$20
10	United States History I: Gr 10	Regular	1	
10	United States History I: Adv Gr 10	Honors	1	\$15
10 or 11	UNITED STATES HISTORY I (HIS201)	Honors	1	Calhoun
10 or 11	UNITED STATES HISTORY II (HIS202)	Honors	1	Calhoun
11	United States History II: Gr 11	Regular	1	
11	United States History, AP	Honors	1	\$20
12	Economics and Government	Regular	1	
12	Economics, AP and Government, AP	Honors	1	\$20

### World History: 1500-Pres, Gr 9

This course is designed to provide the student with an understanding of the relationship of today's cultures and civilizations of the past through a study of how ancient cultures and civilizations grew, thrived, and eventually collapsed, giving rise to the political and economic structures of government we know today. This allows a comparative look at how we exist today with the way our predecessors lived, worked, and grew.

### World History, AP

**Prerequisite:** Freshmen with current-year social studies instructor approval.

**Note:** Freshmen taking this course should be exceptionally high-performing and motivated.

**GPA Weighted Credit:** 1.0

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. AP World History is a course for hardworking students who want a rigorous academic experience. The course will take into account that this is the first AP experience for many students, and the goal is to build a solid foundation for future AP courses in Social Studies.

### United States History I: Gr 10

**Prerequisite:** World History

This course is the first half of a comprehensive two-year study of American history and geography. Topics included in the course include the historical development of American ideas and institutions from the Age of Exploration and Discovery through Reconstruction. While focusing on political and economic history, students will examine American culture through a chronological survey of major issues, movements, people, and events in U.S. and Alabama history.

### United States History I: Adv Gr 10

**Prerequisite:** Advanced World History or instructor approval

**GPA Weighted Credit:** 0.5

This course covers the same material as U.S. History to 1877 but will require high-level thinking and inquiry skills. Emphasis will be placed on writing and in-depth study of the subject matter. Students enrolling in Advanced U.S. History 10 are those who anticipate enrolling in AP U.S. History 11.

### UNITED STATES HISTORY I (HIS201)

**GPA Weighted Credit:** 1.0

This course surveys United States history during colonial, revolutionary, early national, and antebellum periods and concludes with the Civil War. American History 201 is designed to develop and promote critical thinking, communication, and global awareness. The skills you cultivate by studying history are applicable to many fields far removed from college history classes. Reading critically, analyzing and assimilating information and remembering it, seeing relationships, and drawing conclusions based on evidence are all part of being a history student. The course covers a year of normal high school content in a semester, and it is taught at the college level. Therefore, students

need an excellent work ethic. HIS 201 can fulfill the 10th-grade history graduation requirement. This course is taught under the direction of Calhoun Community College. Additional fees may be required by this institution. Grades earned will be included on both high school and college transcripts. You must dual enroll for this course.

## **UNITED STATES HISTORY II (HIS202)**

### **GPA Weighted Credit: 1.0**

This second part of the two-part survey of American History will cover events since the end of the Civil War, 1865. American History 202 is designed to develop and promote critical thinking, communication, and global awareness. The skills you cultivate by studying history are applicable to many fields far removed from college history classes. Reading critically, analyzing and assimilating information and remembering it, seeing relationships, and drawing conclusions based on evidence are all part of being a history student. The course covers a year of normal high school content in a semester, and it is taught at the college level. Therefore, students need an excellent work ethic. HIS 202 can fulfill the 11th-grade history graduation requirement. This course is taught under the direction of Calhoun Community College. Additional fees may be required by this institution. Grades earned will be included on both high school and college transcripts. You must dual enroll for this course.

## **United States History II: Gr 11**

### **Prerequisite: U.S. History 10**

This course is a comprehensive study of critical issues and events in the United States and in Alabama from 1877 to the present. During this course, students gain knowledge of changing political, economic, and cultural forces at work; the impact of the natural environment on all aspects of life; and the role of the United States and the state of Alabama in the international community.

## **United States History, AP**

### **Prerequisite: Advanced U.S. History 10**

### **GPA Weighted Credit: 1.0**

This course is taught at the college level and is designed to provide students with analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. Outside reading and extensive writing are required. Document-based essay questions will be a focus of testing to prepare the student for the AP Exam, which is required for each student in the class and offered in May. A \$20 fee is required for all AP courses.

## **Economics (1 semester)**

### **Prerequisite: U.S. History 11**

This course is a study of Economics that is paired with the American Government and is required for graduation from Alabama high schools. It focuses on the workings and institutions of modern-day economic systems and economic theory rather than consumer economic content. Basic economic concepts and skills in the interpretation of graphic economic data are taught with application to issues and problems in contemporary economic systems.

## **Government (1 semester)**

### **Prerequisite: U.S. History 11**

This is a semester course paired with Economics and required for all 12th-grade students for graduation from high school. It includes a description and an analysis of the government of the United States. Emphasis is placed on the development of the concepts contained in the Constitution and the relationship between the government and the people of the United States.

## **Economics, AP (1 semester)**

### **Prerequisite: AP U.S. History 11**

### **GPA Weighted Credit: 1.0**

AP Macroeconomics emphasizes economic principles as applied to the economy as a whole and includes an analysis of basic economic concepts revolving around scarcity, measurement of economic performance, national income, and price determination, the financial sector, inflation, unemployment, and stabilization policies, economic growth and productivity, and international trade and finance.

## **United States Government and Politics, AP (1 semester)**

### **Prerequisite: AP U.S. History 11**

### **GPA Weighted Credit: 1.0**

Taught at the college level, this semester course provides students with an understanding of the workings of the United States government. It focuses on the constitutional underpinnings of the United States government, political beliefs and behavior, linkage institutions, public policy, civil rights, and civil liberties. The course fulfills the 12th-grade U.S. Government requirement for graduation.

## SCIENCE

<u>Grade</u>	<u>Course Name</u>	<u>Diploma</u>	<u>Credit</u>	<u>Fee</u>
9 or 10	Biology	Regular	1	
9	Biology, Advanced Level	Honors	1	\$15
9 or 10	Physical Science	Regular	1	
11 or 12	Chemistry	Regular	1	\$15
10	Chemistry, Advanced Level	Honors	1	\$15
11 or 12	Principles of Engineering	Honors	1	\$40
11 or 12	Forensic Science & Crime Sc Invest	Regular	1	\$15
11 or 12	Earth and Space	Regular	1	
11 or 12	Environmental Science	Regular	1	
11 or 12	Environmental Science, AP	Honors	1	\$20
11 or 12	Intro to Computer Science	Regular	1	\$20
11 or 12	Cybersecurity	Regular	1	\$25
11 or 12	Human Body Structures and Functions	Honors	1	\$20
11 or 12	Human Anatomy and Physiology, Adv	Honors	1	\$15
11 or 12	Physics, Advanced Level	Honors	1	\$15
11 or 12	Chemistry, AP	Honors	1	\$20
11 or 12	Biology, AP	Honors	1	\$20
11 or 12	Physics, AP	Honors	1	\$20
11 or 12	Computer Science Principles, AP	Honors	1	\$25
11 or 12	Computer Science Principles A, AP	Honors	1	\$25

### Biology

This course is an introductory life science course that involves a study of the structure and function of organisms and interactions with their environment. The course includes core topics of diversity, cells, heredity, and interdependence. Laboratory investigation and other activities are an essential part of this course. Biology is a requirement for graduation.

### Biology, Advanced Level

**Prerequisite:** Instructor approval

**GPA Weighted Credit:** 0.5

This course covers the same topics as Biology but has a higher emphasis on critical thinking and examination of living organisms.

### Physical Science

This course is a study of matter and energy. Topics include the structure of matter, periodic charts, metric systems, scientific measurements, aspects of motion, writing and balancing equations, magnetism, and electricity. This course meets the physical science requirement for graduation, but will not fulfill the requirement for the Honors Diploma.

### Chemistry

**Prerequisite:** Biology, Algebra I, and instructor approval

Chemistry presents the concepts associated with the properties and changes in matter, the structure of atoms, the periodic table, solutions, and the interactions between matter and energy. Students write equations, solve mathematical problems related to chemistry, and perform laboratory experiments. It is an advanced class and success in Algebra I (Grade of C or better) is strongly recommended.

## Chemistry, Advanced Level

**Prerequisite:** Advanced Biology, Algebra I, Advanced Geometry, and instructor approval

**GPA Weighted Credit:** 0.5

This course covers the same topics in Chemistry I but has a higher emphasis on critical thinking and will be taught at an accelerated pace. A grade of B or better in algebra and geometry is strongly recommended.

## Forensic Science & Crime Sc Invest

**Prerequisite:** Chemistry is recommended before taking this course.

Forensic Science is a rapidly developing area of the Law and Public Safety Academy. Forensic investigators provide assistance to first responders (i.e. firefighters and law enforcement) as well as the criminal justice system. This course will cover career opportunities, the history of forensic science, the collection and analysis of evidence, toxicology, fingerprinting, document validity, ballistics, and anthropology. This course will encourage critical thinking, the use of the scientific method, the integration of technology, and the application of knowledge and skills related to practical questions and problems. Case studies and scenarios will help students understand the implications and issues that are emerging as the science of forensics continues to develop. The course is not accepted as a requirement for the Honors Diploma.

## Earth and Space Science

This is a course designed to familiarize the student with the planet Earth. A broad range of subjects will be studied. Areas of study will include rocks and minerals, erosion and deposition, weather, plate tectonics, pollution, and the environment. The relationship of the Earth with the moon and planets will be covered.

## Environmental Science

**Prerequisite:** Biology

This course is a study of environmental problems and issues with the development of the scientific background facts and concepts necessary for analyzing these issues and problems.

## Environmental Science, AP

**Prerequisite:** Biology, Chemistry I, or by instructor approval

**GPA Weighted Credit:** 1.0

The AP Environmental Science course is designed to be the equivalent of an introductory college course in environmental science. Unlike most other introductory-level college science courses, environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. It is a rigorous science course that stresses scientific principles and analysis that also includes a laboratory component. The goal is to provide students with a background to the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing these problems in the future. The AP Exam for this course will be administered in May.

## Introduction to Computer Science

Introduction to Computer Science is an introductory computer science programming course and can be taken as a semester course or a full-year course. Intro to CS is an engaging course that explores a variety of basic computational thinking and programming concepts through a project-based learning environment. One semester introduces students to the block-based programming language SNAP from UC Berkeley, with a transition in the second semester to text-based programming using the beginner-friendly Python language. The curriculum advocates a "hands-on" learning approach in which students' primary means of learning are through discovery, experimentation, and application. Credit earned in this class can be applied as either a 4th math, 3rd/4th science, or career tech credit for graduation.

## Cybersecurity- PLTW

**Prerequisites:** Intro to CS and 2.5 GPA in coursework at HHS

This is a one-year introductory level course in cybersecurity and digital forensics based on the PLTW curriculum. It introduces the technologies used in the field, such as hardware, basic computer networking, and cybersecurity tools. Whether seeking a career in the growing field of cybersecurity or learning to defend their own personal data or a company's data, students in Cybersecurity establish an ethical code of conduct while learning to defend data in today's complex cyber world. Credit earned in this class can be applied as either a 4th math, 3rd/4th science, or career tech credit for graduation.

## Human Body Structures and Functions

**Prerequisite:** Successful completion of Foundations of Medicine/ **GPA Weighted Credit:** 0.5

A one-credit course designed to develop basic knowledge of the normal structure and function of the human body. Medical terminology and disease processes will be incorporated. The credit earned in this class can be applied as an 11th or 12th-grade science credit or a career tech credit.

### **Human Anatomy and Physiology, Adv**

**Prerequisite:** Biology & Chemistry

**GPA Weighted Credit:** 1.0

Human Anatomy and Physiology is the in-depth coverage of the structure and function of the ten major body systems, furnishing an excellent background for students planning careers in medical or related fields. Students who desire a challenging college preparatory course will also benefit. Human Anatomy and Physiology fulfill a science requirement for the Honors Diploma. Because life functions are chemical reactions, successful completion of Chemistry is required before enrolling in this class.

### **AP Physics I: Algebra-Based**

**Prerequisite:** Precalculus, Advanced Physics or AP Chemistry

**GPA Weighted Credit:** 1.0

AP Physics 1 is the equivalent of a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); kinematics, dynamics, energy, momentum, and motion. It will also introduce electric circuits. The course provides for hands-on explorations of physics content and inquiry labs. The AP Exam for this course will be administered in May. Students concurrently taking AP Calculus will have the option to take the AP Physics C exam.

### **Advanced Physics**

**Prerequisite:** Precalculus, enrolled in Precalculus concurrently, and instructor approval

**GPA Weighted Credit:** 0.5

Physics is concerned with the properties of physical matter and its relationship to energy. Topics studied are motion, forces, energy, heat, light, sound, fluids, electricity, and magnetism. Students apply mathematical solutions to physical problems. Since much problem-solving is involved, students should have a strong math background.

### **AP Biology**

**Prerequisite:** Biology and Chemistry I, and instructor approval

**GPA Weighted Credit:** 1.0

The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course usually taken by biology majors during their first year. The following topics are studied: Molecules and Cells, Heredity and Evolution, and Organisms and Populations. This course is much more in-depth than high school biology and will require much more reading and studying. This course is recommended for students who are self-motivated regardless of whether they plan to pursue a science major in college. The AP Exam for this course will be administered in May.

### **AP Chemistry (2 class periods per day)**

**Prerequisite:** Advanced Chemistry I or Chemistry I, Algebra 2/Trig, and/or instructor approval

**GPA Weighted Credit:** 1.0

This course is intended to be the equivalent of the college freshman chemistry course. It is a very demanding course with topics and labs completed on a college level. The laboratory work is extensive and often requires extra time to complete. The AP Exam for this course will be administered in May.

### **AP Computer Science Principles**

**Prerequisite:** Geometry, Algebra I, and 3.0 GPA in coursework at HHS.

**GPA Weighted Credit:** 1.0

AP CSP introduces students to the central ideas of computing and computer science (CS), including the ideas and practices of computational and critical thinking. The AP CSP course is rigorous and rich in computational content and engages students in the creative aspects of CS in order to see how it changes our world. Course materials are based on UC Berkeley's freshman CS course called the Beauty and Joy of Computing and aim to appeal to a very broad and diverse audience. AP CSP is considered a "math" or "science" course credit in Alabama, and students receive an additional 1.0 quality points for this advanced class. Credit earned in this class can be applied as either math, science, or career tech credit.

## MATHEMATICS

<u>Grade</u>	<u>Course Name</u>	<u>Diploma</u>	<u>Credit</u>	<u>Fee</u>
9	Geometry with Data Analysis	Regular	1	
9	Geometry with Data Analysis, Advanced	Honors	1	\$10
10	Algebra I with Probability	Regular	1	
10-11	Algebra II with Statistics	Regular	1	
10	Algebra II with Statistics, Advanced	Honors	1	\$10
11-12	Precalculus	Regular	1	\$10
11	Precalculus, AP	Honors	1	\$10
12	Statistics, AP	Honors	1	\$20
12	Calculus AB, AP	Honors	1	\$25
11 or 12	Computer Science Principles, AP	Honors	1	\$25
11 or 12	Computer Science A, AP	Honors	1	\$30
12	Intro to Computer Science	Regular	1	\$10
12	Introduction to Engineering Design	Regular	1	\$40
12	Mathematical Modeling	Regular	1	

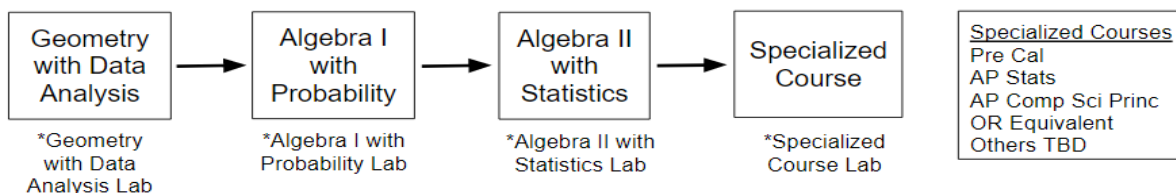
## MATHEMATICS LAB ELECTIVES

*These classes do not count as a math credit; they are elective credits and should be utilized for those who need additional help in math.*

<u>Grade</u>	<u>Course Name</u>	<u>Diploma</u>	<u>Credit</u>	<u>Fee</u>
9	Geometry with Data Analysis Lab	Regular	1	
10	Algebra I with Probability Lab	Regular	1	
10-11	Algebra II with Statistics Lab	Regular	1	

## CLASS OF 2025 MATH PATHWAYS

### REGULAR Math Pathway



**\* Math lab is for any student who needs extra help in math; labs count as an elective.**

### ADVANCED Math Pathway



**Must have taken advanced level 7th and 8th grade math to qualify for Advanced Math Pathway**

### **Geometry with Data Analysis**

This course is required for students in Grade 9. It offers students the opportunity to build their reasoning and sense-making skills and see the applicability of mathematics. Geometry increases students' knowledge of shapes and their properties, which leads to the development of visual and spatial sense and strong reasoning skills. Students will also use inductive and deductive reasoning (through proofs) to enhance their reasoning skills. Topics include, but are not limited to points, lines, and planes, conditionals, equations of lines, slope, parallel and perpendicular lines, polygons, circles, geometric solids, similarity, Pythagorean Theorem, trigonometric ratios, data analysis, and transformations. Students who need additional support (or those identified as needing such support) will take the lab course concurrently with Geometry with Data Analysis.

### **Geometry with Data Analysis, Advanced**

**Prerequisite:** Accelerated 7th and 8th-grade math or Instructor approval

**GPA Weighted Credit:** 0.5

Advanced Geometry covers the same topics like geometry, along with constructions, and with a more in-depth and challenging analysis of the major concepts. Logical reasoning is developed through proofs and free-response questions. Strong algebra skills are required to be successful in this course. The recommended graphing calculator is the TI-84 Plus CE.

### **Geometry with Data Analysis Lab- Elective**

Students who need additional support (or those identified as needing such support) will take the lab course concurrently with Geometry with Data Analysis. Lab courses are not considered credit-bearing math courses.

### **Algebra I with Probability**

**Prerequisite:** Completion of Geometry with Data Analysis

Algebra I with Probability is a course that 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.

### **Algebra I with Probability Lab- Elective**

Students who need additional support (or those identified as needing such support) will take the lab course concurrently with Algebra I with Statistics. Lab courses are not considered credit-bearing math courses.

### **Algebra II with Statistics**

**Prerequisite:** Completion of Geometry, Algebra I, and instructor approval

Algebra II with Statistics is a course designed to extend students' knowledge of algebra with additional algebraic and trigonometric content. The course also includes a study of inferential statistics, which allows students to draw conclusions about populations and cause-and-effect based on random samples and controlled experiments. Mastery of the content standards for this course is necessary for student success in higher-level mathematics. The use of appropriate technology is encouraged for numerical and graphical investigations that enhance analytical comprehension.

### **Algebra II with Statistics, Advanced**

**Prerequisite:** Completion of Algebra I, Geometry, and instructor approval

**GPA Weighted Credit:** 0.5

Advanced Algebra II with Statistics covers the same topics as the general course with a more in-depth and challenging analysis of the major concepts and more emphasis on theory. This rigorous course is designed to extend students' knowledge of algebra with additional algebraic and trigonometric content. The course also includes a study of inferential statistics, which allows students to draw conclusions about populations and cause-and-effect based on random samples and controlled experiments. The course challenges students to think critically and to master the content standards necessary for success in higher-level mathematics. The use of technology is used for numerical and graphical investigations to enhance analytical comprehension. The use of a graphing calculator is considered an integral part of the course. The recommended graphing calculator is the TI-84 Plus CE.

### **Algebra II with Statistics Lab- Elective**

Students who need additional support (or those identified as needing such support) will take the lab course concurrently with Algebra II with Statistics. Lab courses are not considered credit-bearing math courses.

## Precalculus

### **Prerequisite:** Completion of Algebra II with Statistics and instructor approval

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 Precalculus 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 the appropriate use of technology, such as a graphing calculator, to facilitate the continued development of students' higher-order thinking skills.

## Precalculus, AP

### **Prerequisite:** Completion of Advanced Algebra II with Statistics and instructor approval

#### **GPA Weighted Credit:** 1.0

This course is considered to be a prerequisite for success in calculus and college mathematics. The intensity and pace of this course is consistent with the previous advanced courses in math. Algebraic, graphical, numerical, and verbal analyses are incorporated during investigations of the Precalculus 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 will include the use of technology, such as a graphing calculator and computers, to facilitate the continued development of students' higher-order thinking skills. The use of graphing calculators in AP Precalculus is considered an integral part of the course. The recommended graphing calculator is the TI-84 Plus CE.

## AP Statistics

### **Prerequisite:** Completion of Algebra II with Statistics or instructor approval

#### **GPA Weighted Credit:** 1.0

This is a college-level course that allows students to master the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data: Describing patterns and departures from patterns, Sampling, and Experimentation: Planning and conducting a study, Anticipating Patterns: Exploring random phenomena using probability and simulation, and Statistical Inference: Estimating population parameters and testing hypotheses. Important components of the course should include the use of technology, projects and laboratories, cooperative group problem-solving, and writing, as a part of concept-oriented instruction and assessment. This approach to teaching AP Statistics will allow students to build interdisciplinary connections with other subjects and with their world outside school. AP Statistics course is typically required for majors such as social sciences, health sciences, and business. Science, engineering, and mathematics majors usually take an upper-level calculus-based course in statistics, for which the AP Statistics course is an effective preparation. The recommended graphing calculator is the TI-84 Plus CE. The AP Exam for this course will be administered in May.

## AP Computer Science A

### **Prerequisites:** AP CSP or Intro to Computer Science, and guidance/instructor approval

AP Computer Science is comparable to an introductory level course for computer science courses at the college level. Upon completion of the course, students should be able to design and implement solutions to problems by writing, running, and debugging computer programs; use and implement commonly used algorithms and data structures; develop and select appropriate algorithms and data structures to solve problems, code fluently in an object-oriented paradigm using the programming language JAVA; read and understand a large program consisting of several classes and interacting objects, and recognize the ethical and social implications of computer use.

## AP Calculus AB

### **Prerequisite:** Completion of AP Precalculus and instructor approval

#### **GPA Weighted Credit:** 1.0

This college-level course is primarily concerned with developing the student's understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important. Broad concepts and widely applicable methods are emphasized. Technology should be used regularly by students and teachers to reinforce the relationships among the multiple representations of functions, to confirm written work, to implement experimentation, and to assist in interpreting results. Through the unifying themes of derivatives, integrals, limits, approximation, and applications and modeling, the course becomes a cohesive whole rather than a collection of unrelated topics. Before studying calculus, all students should complete four years of secondary mathematics designed for college-bound students: courses in which they study algebra, geometry, trigonometry, analytic geometry, and elementary functions. These functions include linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric, and piecewise-defined functions. In particular, before studying calculus, students must be familiar with the properties of functions, the algebra of functions, and the graphs of functions. Students must also understand the language of functions (domain and range, odd and even, periodic, symmetry, zeros, intercepts, and so on) and know the values of the trigonometric functions at the numbers 0,  $\pi/6$ ,  $\pi/4$ ,  $\pi/3$ ,  $\pi/2$ , and their multiples. The use of a graphing calculator in AP Calculus is considered an integral part of the course.



Students will use this technology on a regular basis so that they become adept at using their graphing calculators. The recommended graphing calculator is the TI-84 Plus CE. The AP Exam for this course will be administered in May.

## **Computer Science Principles, AP**

**Prerequisite:** Geometry, Algebra I, and 3.0 GPA in coursework at HHS.

**GPA Weighted Credit: 1.0**

AP CSP introduces students to the central ideas of computing and computer science (CS), including the ideas and practices of computational and critical thinking. The AP CSP course is rigorous and rich in computational content and engages students in the creative aspects of CS in order to see how it changes our world. Course materials are based on UC Berkeley's freshman CS course called the Beauty and Joy of Computing and aim to appeal to a very broad and diverse audience. AP CSP is considered a "math" or "science" course credit in Alabama, and students receive an additional 1.0 quality points for this advanced class. Credit earned in this class can be applied as either math, science, or career tech credit.

## **Introduction to Computer Science**

Introduction to Computer Science is an introductory computer science programming course and can be taken as a semester course or a full-year course. Intro to CS is an engaging course that explores a variety of basic computational thinking and programming concepts through a project-based learning environment. One semester introduces students to the block-based programming language SNAP from UC Berkeley, with a transition in the second semester to text-based programming using the beginner-friendly Python language. The curriculum advocates a "hands-on" learning approach in which student's primary means of learning is through discovery, experimentation, and application. Credit earned in this class can be applied as either a 4th math, 3rd/4th science, or career tech credit for graduation.

## **Introduction to Engineering Design**

A one-credit course that uses a design development process while enriching problem-solving skills. Students create and analyze models using specialized computer software. **\*Honors is Dual Enrolled**

## **Mathematical Modeling**

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

## FOREIGN LANGUAGE

<u>Grade</u>	<u>Course Name</u>	<u>Diploma</u>	<u>Credit</u>	<u>Fee</u>
9	Spanish 1	Regular	1	\$10
9 or 10	Spanish 2	Regular	1	\$10
10 or 11	Spanish 3	Regular	1	\$10
11 or 12	Spanish 4	Regular	1	\$10

### Spanish 1

This course affords students the opportunity to begin developing the skills of listening, speaking, reading, and writing in Spanish. Language use ranges from answering simple yes/no questions to singing songs, to basic speaking and listening, as well as various forms of creativity. Daily practice is necessary in order to gain proficiency. The proficiency goal for Spanish 1 is Novice Mid: proficiency to perform simple tasks and satisfy immediate personal needs, all in the target language. The course introduces elements of Spanish culture and grammar as it relates to its function in communication.

### Spanish 2

**Prerequisite: Spanish 1**

This course builds on the foundations developed in Spanish 1. Continued use of listening comprehension activities, videos, writing and reading activities, and use of technology help students further develop their proficiency achieved in Spanish 1. The cultural emphasis is on Spanish-speaking countries and products of the Spanish-speaking world. Students gradually progress into more complex grammatical structures during the course, including past tenses of verbs, and continue to develop communication skills. The proficiency level goal is Novice High to Intermediate Low: speak in phrases to sentences and carry on a simple conversation about common topics, all in the target language.

### Spanish 3

**Prerequisite: Spanish 2**

This course continues to build on the foundation students have developed in Spanish 1 and 2. Students progress through additional vocabulary acquisition, the introduction of new grammatical structures, and continued development of communication and writing skills. The study of culture and its influence related to the Spanish-speaking world continues. The proficiency level goal is Intermediate Mid: create and respond to information and speak/write on topics related to self, all in the target language.

### Spanish 4

**Prerequisite: Spanish 3**

This course is a continuation of learning in Spanish at the intermediate level. Time is spent on new grammatical structures not yet studied and the introduction of more new vocabulary. Art and life in Hispanic cultures are also part of the curriculum. The proficiency level goal is Intermediate Mid: spontaneously access vocabulary to speak, create, and respond to information and speak/write on topics related to self, all in the target language.

**FINE ARTS**

<b>THEATRE</b>			
<b><u>Grade</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Fee</u></b>
9-12	Theatre	1	\$15
<b>BAND</b>			
<b><u>Grade</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Fee</u></b>
9-12	Marching Band	.5	\$10
9-12	Concert Band	.5	\$10
9-12	Instrumental Tech	.5 or 1	\$10
10-12	Beginning Guitar	.5	\$15
9-12	Color Guard	.5	
<b>CHORUS</b>			
<b><u>Grade</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Fee</u></b>
9-12	Concert Chorus	1	\$20
10-12	Ensemble (Girls)	1	\$20
10-12	Chamber	1	\$20
10-12 (Boys) 11-12 (Girls)	Performers	1	\$20
9-12	Vocal Techniques	1	
11-12	Music Theory, AP	1	\$20
<b>VISUAL ARTS</b>			
<b><u>Grade</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Fee</u></b>
9-12	Visual Arts I	1	\$20
10-12	Visual Arts II	1	\$20
11-12	Visual Arts III	1	\$25
12	Visual Arts IV	1	\$25
11-12	Studio Art	1	\$25
12	2D Art and Design, AP	1	\$30
<b>OTHER FINE ART ELECTIVES</b>			
<b><u>Grade</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Fee</u></b>
9-12	Journalism I	1	
9-12	Debate	1	\$20
9-12	Digital Video Production- NAP	1	\$20

**Theatre, Theatre I**

Participants in this course will explore the basic elements of theatre. The course will include basic history, as well as the techniques of creating, and performing. Students will be exposed to a variety of elements of theatre such as hair and makeup, lights and sound, set design, set construction, props, costume design, and marketing. Skills will develop in the areas of interpretation, appreciation, and evaluation through the reading of and participation in scenes, plays, and performances. Students will write and perform scenes and monologues and use text analysis as well as character analysis to perform informal and formal productions. Additionally, students will be expected to participate in the preparation, rehearsal, and performance of additional short works in class.

**Marching Band (9-12)/ Concert Band (9-12)**

This is the major performing instrumental ensemble at Hartselle High School. Within this structure is the Marching Band. Students signed up for the Concert Band will also participate in the Marching Band. Summer band camp, uniform purchase, other expenses, and after-school activities are required. **Participation is by audition.**

**Instrumental Tech (9-12)**

In this year-long course, students will learn reading, writing, and the structure of music. Students will also have individualized practice time on the instrument of their choice. Since the class is both individualized and is taught in small groups, there are no prerequisites for this course. Students must provide their instruments.

**Beginning Guitar (10-12)**

In this semester-long course, students will learn Guitar I is intended for students with little or no experience playing guitar. The overall goal of this 1-semester course is to get students playing songs as quickly as possible. Along the way, students will learn appropriate sitting posture and hand positions, learn to tune and perform basic maintenance, such as changing strings, learn to play open and barre chords, learn proper strumming, fingerstyle, and flat-picking techniques, learn to read standard music notation, chord diagrams, chord symbols, and tablature, learn basic music theory concepts like notes, chords, tempo, rhythm, etc, learn the basics of playing various musical genres, such as blues, rock, pop, country/bluegrass, and classical, and learn how to accompany others as well as play alone. Instruments will be provided for in-class use.

**Color Guard (9-12) (Fall Semester only)**

This class is designed to study all aspects of the flag and/or rifle performance including practice on fundamental marching techniques. Summer band camp, uniform purchase, other expenses, and after-school activities are required. Tryouts occur during the spring semester.

**Concert Chorus ( men and women) (9-12)**

Concert Chorus is an elective open to any student interested in learning to sing properly. If you love to sing, this is the class for you. Emphasis is placed on the development of vocal skills, music literacy, basic music analysis, beginning sight-singing techniques, and music-listening skills. The choir will sing music in a variety of styles and learn the basics of proper vocal techniques. Beginning singers with no prior choir experience are welcome.

**Ensemble (ladies only) (10-12)**

Ensemble is an auditioned women's chorus made up of 16 young ladies. This group performs a variety of literature and will have the opportunity to travel once a year to perform on a large stage outside of our community. In addition to being expected to sing at a high level, students will also learn basic choreography to accompany several of their pieces. Ensemble competes at the Solo and Ensemble festival each spring. Auditions for the group are held in the spring.

**Chamber Choir (men and women) (10-12)**

Chamber Chorale is a select, mixed choir made up of advanced-level singers. Entrance is by audition only. Auditions will be held in the early spring. The curriculum for the chamber chorale will emphasize the development of solo vocal skills, advanced music literacy, standards for music analysis, advanced sight-singing techniques, music listening skills, and music history. This choir is for experienced, advanced-level vocalists who are committed to the performance of a high-quality choral repertoire. Depending on the size of the group, Chamber Chorale may compete at the Solo and Ensemble festival each spring.

**Performers (men grades 10-12) (women grades 11-12)**

Performers is a mixed ensemble made up of twelve ladies and twelve men. This group takes on many additional performance opportunities throughout the school year and has the opportunity to take a trip in the spring. While Performers is considered Hartselle High School's "Show Choir", this group is also required to sing classical literature as a means of furthering their musical skill. In addition to being expected to sing at a high level, students will also learn choreography to accompany several of their pieces. Auditions will be held in the early spring.

**Vocal Techniques (9-12)**

Vocal Technique is designed to give current choral students an opportunity to develop their vocal skills in a more individualized setting. Students will receive one-on-one coaching from the teacher and will have time to practice their skills on their own. In addition to learning solos and duets from a variety of repertoires, students will have the opportunity to work on music for All-State, pieces for college admittance, and scholarship auditions. Students are required to be concurrently enrolled in one HHS' chorus class.

## **Music Theory, AP- Application Only**

The foundation of knowledge presented in this course provides students with the opportunity to develop, practice, and master music theory skills essential to success in post-secondary music theory coursework. Students will participate in activities that include (but are not limited to): rhythmic and melodic diction, sight-singing, composition, written and aural musical analysis, keyboard skills, and understanding of chord and scale structure. Following completion of the course, students are expected to take the AP Music Theory examination. The prerequisite to the course is enrollment in instrumental or vocal music classes or with permission of the instructor. See Mrs. Dupuis

## **Visual Arts I**

This introductory course is for students interested in art, those who prefer hands-on learning, and students needing to fulfill fine art or elective credit. No prior experience in art is needed, although those with experience will benefit from a strong foundation in art terminology and processes before continuing the art sequence. An emphasis will be placed on learning and applying the elements of art and principles of design.

## **Visual Arts II**

### **Prerequisite: Visual Arts I**

This course includes a more advanced study of drawing, printmaking, and color theory application through painting. Students will participate in class critiques and will also complete an introductory unit on 3-D design during this course.

## **Visual Arts III**

### **Prerequisite: Visual Arts II with a 75 average**

This course mainly focuses on 2-D design composition with special emphasis placed on developing individual ideas, skills, and techniques. A photography and digital editing unit is also covered in the class.

## **Visual Arts IV**

### **Prerequisite: Visual Arts III- 80 average and teacher recommendation**

This course focuses on the creation of a cohesive college-ready portfolio. Students will demonstrate a thorough understanding of design and art techniques, and will also create a selection of investigative works in a medium of preference.

## **Studio Art**

### **Prerequisite: Senior-level students – Instructor placement**

Studio Art is for outstanding artists interested in continuing the study of art at the college level or interested in pursuing art-related careers. Individual expression is encouraged as students refine their style. Students will work on building well-rounded college-ready art portfolios. Students are encouraged to take this course alongside AP 2-D Art & Design in preparation for the rigorous AP portfolio requirements.

## **AP 2-D Art and Design**

### **Prerequisite: Teacher Placement ONLY Visual Art IV or Studio Art with a 90 Average**

Instructor placement through portfolio review ONLY

## **Journalism**

This course focuses on publications produced for use by the school and community. Its primary publication is the Hartselle High School newspaper. It is a class that will provide a hands-on learning experience and provides a communication service at the same time. Students in the class will demonstrate knowledge of computer skills, good grammar skills, and a willingness to make necessary sacrifices to meet deadlines.

## **Debate**

This course is designed for students who wish to learn more about the events offered for competition with the Hartselle NSDA team. The student will participate in activities designed to develop and improve self-confidence and poise in oral communication. Students taking this course will be expected to compete with the team at tournaments throughout the state in events including debate, impromptu speaking, original oratory, and extemporaneous speaking.

## **Digital Video Production- NAP**

In this class, you are part of a school broadcast team. There will be times when you are shooting video for team sporting events as well as non-sporting school functions for broadcast. You will learn basic camera techniques, editing, operating a soundboard, doing overlays for commercials, as well as creating some commercials for broadcasts. Students will be required to participate in a minimum of 15 broadcasts outside of normal school hours.

## GENERAL ELECTIVES

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
11-12	AP Prep	1	
10-12	Psychology	1	
10-12	AP Psychology	1	\$20
9-12	Yearbook	1	
10-12	Survey of the Old Testament (REL 151)	1	DE Only
10-12	Survey of the New Testament (REL 152)	1	DE Only
9-12	Health	.5	
9-12	Driver's Ed	.5	\$50
9-12	ACT Prep	.5	\$30
9-12	Career Prep A	.5	
12	Career Prep B (Virtual)	.5	
12	Office, Counseling, Library Aide	NO CREDIT	
11-12	IRC Peer Aide	1	
10-12	Computer-Aided Design (CAD)	1	\$40
10-12	Architectural Computer-Aided Design	1	\$40
9-12	Sports Media Design	1	
9-12	eSports	1	
9-12	Family and Consumer Science	1	\$20

### AP Prep (11-12)

**Co-requisite:** Must be enrolled in at least two (or more) Advanced Placement classes.

This class is designed to provide students with extra time during the school day to work on Advanced Placement coursework.

### Psychology (10-12)

This course is designed for students in grades 10-12. The course examines the major areas of psychology by combining theory with a variety of practical applications. Its coverage extends from the ways we use psychology in daily life to the research process used by professional psychologists. The basis of behavior, learning motivation, emotion, personality, and psychology research are explained.

### AP Psychology (10-12)

**Prerequisite:** "B" average in English and social studies classes and/or a "B" average in introductory to psychology.

**GPA Weighted Credit: 1.0**

AP Psychology is a course designed as an introductory college-level course that examines human behavior. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in science and practice.

### Yearbook

Members participate in the planning, organization, production, and distribution of the HHS yearbook. They also receive instruction in the journalism skills used in yearbook production, including writing, photography, and page design. Staff members are chosen for honesty, dependability, and the ability to learn from and work in a group and on a deadline.

### Survey of the Old Testament (REL 151)

**Prerequisite: 20 in reading on the ACT or College Placement Test**

This is a dual enrollment course only through Calhoun Community College. This course is an introduction to the content of the Old Testament, with emphasis on the historical context and contemporary theological and cultural significance of the Old Testament. The student should have an understanding of the significance of the Old Testament writings upon completion of this course.

**Survey of the New Testament (REL 152)**

**Prerequisite: 20 in reading on the ACT or College Placement Test**

This is a dual enrollment course only through Calhoun Community College. This course is a survey of the books of the New Testament, with special attention focused on the historical and geographical setting. The student should have an understanding of the books of the New Testament and the cultural and historical events associated with these writings.

**Health (1 semester)**

This one-semester course provides information about our physical, mental, and social well-being in such a way as to influence positive actions toward healthy habits. Specific topics include fitness, drug-alcohol abuse, HIV-AIDS, reproduction, and CPR. This course or the equivalent is required by the state for graduation.

**Driver's Education (1 semester)**

This semester course consists of classroom and actual driving experiences. The program is designed to enable student motor vehicle operators to become safer, more responsible highway users, and to acquire knowledge about the highway transportation system to contribute to its improvement. At a minimum, students must have a driver's permit or be eligible for a permit in the semester they take this course. A \$20 fee is required for this course.

**ACT Test Prep (1 semester)**

This one-semester class is recommended for juniors, second-semester sophomores, and first-semester seniors. This course helps prepare students for the ACT by helping them understand the format of the test and the types of test questions. Students will learn strategies to answer the questions correctly and improve time management. Students will identify areas of weakness and work to strengthen those areas. Students must purchase an ACT review book (approximately \$25) as a requirement for completion of this course.

**Career Preparedness A (1 semester)**

This is a one-semester course that prepares students with content knowledge and skills in the areas of career development and academic planning, computer skill application, and financial literacy. This course is designed to meet the required 20-hour online experience. This course is embedded in numerous introductory courses.

**Career Preparedness B (1 semester)**

Career Preparedness B is the one-semester financial literacy component. Students participate in activities involving understanding the use of credit, budgeting, economic trends, etc., as well as working to develop sound technical skills in research and application information. This course is embedded in Economics if taken on campus.

**Office, Counseling, Library Aide**

This is a no-credit elective for seniors only who have otherwise fulfilled all graduation requirements and are on pace to graduate in the spring. Students will be required to perform general office and library duties. A service-oriented attitude toward students, faculty, and guests is mandatory. **An application is required and only one student per period per location will be selected.**

**IRC Peer Aide**

The mission of an IRC Peer Aide at Hartselle High School is to assist students in the IRC academically, socially, and emotionally in their classroom setting. Students will go to an academic class or PE with IRC students. Students will receive a peer tutor placement based on good attendance, good conduct, and teacher recommendation. An application is required. One credit is awarded for this class.

**Computer-Aided Design**

This is a one-semester dual enrollment course in which students can earn 3 hours of college credit at Calhoun Community College (currently at no cost to the student). The course provides an introduction to computer-aided drafting (CAD) techniques and terminology. Concepts include CAD Software (Solid Edge) and the skills necessary to perform the basic CAD functions. Students will have an opportunity to earn industry certification in the Solid Edge software and will gain experience in 3D printing.

**Architectural Computer-Aided Design**

This is a one-semester course in which students can earn 3 hours of college credit at Calhoun Community College (currently at no cost to the student). The course provides an introduction to architectural design and drafting by introducing basic terminology, concepts, and principles of architectural design and drawing. Topics include design considerations, lettering, terminology, site plans, and construction drawings. Upon completion, students should be able to draw, dimension, and specify basic residential architectural construction drawings using a 3-D software program.

**Sports Media Design**

This one-credit course, proficient level, introduces the creative and conceptual aspects of designing and producing media arts experiences, products, and services that combine imagery, text, sound, motion, interactivity, and/or virtual into a unified presentation. Typical course topics include aesthetic meaning, appreciation, and analysis; composition, development, processing, and programming of combined physical, interactive, and virtual experiences and environments; their presentation, transmission, distribution, and marketing; as well as contextual, cultural, and historical aspects and considerations.

**eSports**

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. Prerequisite: Beginning Kinesiology

**Family Consumer Science**

A one-credit course that provides students with core knowledge and skills in the areas of marriage and family, parenting and caregiving, consumer sciences, apparel, housing, food and nutrition, and technology. A school-based laboratory is required for this course.



## PHYSICAL EDUCATION

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
9-12	Beginning Kinesiology (PE)	1	
10-12	Personal Fitness	1	
9-12	Baseball	1	
9-12	Basketball	1	
9-12	Cheerleading	1	
9-12	Cross Country	.5	
9-12	Football	1	
9-12	Golf	1	
9-12	Soccer	1	
9-12	Softball	1	
9-12	Tennis	1	
9-12	Track	.5	
9-12	Volleyball	1	
9-12	Wrestling	1	

### Beginning Kinesiology (PE)

Physical Education forms a vital part of general education. It includes physical activities and sports of many kinds to improve health, physical development, and general fitness. It also provides fun and recreation as well as promotes team effort, healthy competition, and self-confidence. This course (1 credit), or its approved substitute, is required for graduation.

### Personal Fitness

#### **Prerequisite: Beginning Kinesiology**

This course offers a wide variety of individual and group activities. The course will also include fitness training, cardio training, and conditioning tailored to each individual. The major objective of this course is to stimulate normal growth and development by stressing physical fitness and motor skill proficiency with an emphasis on the development of a positive attitude toward continued physical activity for life and living. This class does not meet the PE/Life requirement for graduation.

### Baseball

Baseball is designed for the students who participate on the HHS Baseball team. This course is designed to increase baseball-related skills, cardiovascular conditioning, advanced body conditioning, and advanced weight training, as related to Baseball. This course will meet the PE requirement for graduation. Baseball coach signature required.

### Basketball

Basketball is designed for both male and female athletes who participate on the HHS Basketball team. This course is designed to increase basketball-related skills, cardiovascular conditioning, advanced body conditioning, and weight training, as related to Basketball. This course will meet the PE requirement for graduation. A basketball coach's signature is required.

### Cheerleading

Cheerleading is designed for athletes who participate in the HHS Cheerleading squad. This course is designed to increase cheerleading skills, cardiovascular conditioning, advanced body conditioning, and advanced weight training, as related to cheerleading. This course will meet the PE requirement for graduation. The cheerleading coach's signature is required.

**Cross Country (Boys/Girls)**

Cross Country is designed for male and female athletes who compete on the HHS Cross Country teams. This course is designed to increase cross-country running skills, cardiovascular conditioning, and advanced body conditioning for running. Cross Country coach's signature is required.

**Football**

Football is designed for male athletes who participate on the HHS Football team. This course is designed to increase football-related skills, cardiovascular conditioning, advanced body conditioning, and advanced weight training, as related to Football. This course will meet the PE requirement for graduation. Football coach signature required.

**Golf (Boys/Girls)**

Golf is designed for male and female athletes who participate on the HHS Golf teams. The course is designed to increase golf-related skills. Students must provide their own transportation to golf courses. A golf coach's signature is required.

**Soccer (Girls/Boys)**

Soccer is designed for athletes who participate on the HHS Soccer team. This course is designed to increase soccer-related skills, cardiovascular conditioning, advanced body conditioning, and advanced weight training, as related to Soccer. This course will meet the PE requirement for graduation. Soccer coach signature required.

**Softball (Girls)**

Softball is designed for female athletes who participate on the HHS Softball team. This course is designed to increase soccer-related skills, cardiovascular conditioning, advanced body conditioning, and advanced weight training, as related to Softball. This course will meet the PE requirement for graduation. Softball coach signature required.

**Tennis (Boys/Girls)**

Tennis is designed for male and female athletes who compete on the school tennis teams. The class is designed to increase tennis skills and conditioning throughout the year. This course will meet the PE requirement for graduation. A tennis coach's signature is required.

**Track (Boys/Girls)**

Track is designed for male and female athletes who participate on the HHS Track team. This course is designed to increase track skills, conditioning, and weight training as related to track events. A track coach's signature is required.

**Volleyball (Girls)**

Volleyball is designed for female athletes who participate on the HHS Volleyball team. This course is designed to increase volleyball-related skills, cardiovascular conditioning, advanced body conditioning, and advanced weight training, as related to Volleyball. This course will meet the PE requirement for graduation. The volleyball coach's signature is required.

**Wrestling (Boys)**

Wrestling is designed for male athletes who participate on the HHS Wrestling team. The course is designed to increase wrestling-related skills, cardiovascular conditioning, and weight training as it relates to the sport of wrestling. This course will meet the PE requirement for graduation. A wrestling coach's signature is required.



## AGRICULTURE

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
9	Fundamentals of Agriscience	1	\$20
10	Intermediate Agriscience	1	\$20
11	Advanced Agriscience	1	\$20
12	Applied Agriscience	1	\$20

### Fundamentals of Agriscience

This course is for students who have expressed an interest in increasing their knowledge of agribusiness and/or agriculture. Students receive instruction and/or participate in hands-on activities in the areas of career opportunities, safety, technology applications, agribusiness leadership, environmental science, soil science, plant science, forestry, animal science, aquaculture, wildlife science, pest management, woodworking, metalworking, small engines, electrical wiring, and plumbing.

### Intermediate Agriscience

Intermediate Agriscience is a course that provides students with the opportunity to gain knowledge regarding the management of natural resources and plant systems. Topics included in the course are career opportunities, outdoor safety, history, issues, classification, fish and wildlife ecology, fish and wildlife management, endangered species, fish and wildlife pest management, and outdoor recreation.

### Advanced Agriscience

Advanced Agribusiness is a third-year course designed to focus students on effectively managing animal systems in agribusiness settings.

### Applied Agriscience

Applied Agricultural Mechanics is designed to facilitate student success in careers in agribusiness technology or success in any agricultural field as well as a focus on construction and power mechanics. This course provides students with opportunities to acquire knowledge and skills related to agribusiness in the workplace. This course is a senior-level course and laboratory and field experiences will be an integral part of the curriculum.



## BUILDING CONSTRUCTION

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
10-12	Building Const I- Const Framing	2	\$20
11-12	Building Const II- Site Prep	2	\$20
10-12	SMAW FILLET/PAC/CAC Welding I	1	
11-12	SMAW FILLET/PAC/CAC Welding II	1	
11-12	Craft Training Academy	1-2	

### **NCCER Building Const I- Const Framing**

Building Construction 1 is a two-credit, a two-block class taught at the Hartselle Career Center available to students in grades 10-12. The course will introduce students to the basic skills necessary to pursue a career in the construction industry. Through projects and real-world job site examples, students are introduced to framing, flooring, foundations, plumbing, electrical, sheetrock, windows, doors, cabinetry, blueprint reading, safety, use of hand tools, and construction math. The class can lead students to NCCER credentials upon successful completion.

### **NCCER Building Const II- Site Prep**

#### **Prerequisite: Building Construction 1**

Building Construction 2 is a two-credit, two-block class taught at the Hartselle Career Center that is a continuation of residential and commercial construction practices introduced in Building Construction 1. Successful completion of Building Construction 1 is a prerequisite to taking the course. Successful completion of the class can lead students to an NCCER industry credential.

### **SMAW FILLET/PAC/CAC Welding**

This course begins the sequence of training students interested in the welding trades. Dual enrollment credit for this course is offered through Calhoun Community College.

### **Craft Training Academy**

The Academy of Craft Training is a public/private partnership between the commercial construction industry and the State of Alabama's K-12 Career and Technical Education System. Our mission and goal is to recruit, educate, and guide high school students for educational and employment opportunities in the construction industry. Students have the opportunity to learn directly from construction industry professionals in a workplace-style environment, work as interns with local construction companies, and receive job offers upon graduation. Options Include Building Construction, Electrical, HVAC, Interior Exterior Finishes, Welding & Piping

## BUSINESS/MARKETING

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
9-12	Business Software Applications I	1	\$15
10-12	Business Software Applications II	1	\$15
11-12	Digital Media Design	1	\$15
10-12	Personal Finance	1	\$5
9-12	Marketing Principles	1	\$5
9-12	Sports Marketing	1	\$5
11-12	Cooperative Education <b>11th- 1 or 2 hrs. 12th- 1, 2, and/or 3 hrs.</b>	1-3	\$25
12	Banking and Financial Services	1	
12	CEO	2	

### Business Software Applications I

This 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. Students will have the opportunity to gain industry-recognized credentials to document basic computer skills needed for future education or employment.

### Business Software Applications II

**Prerequisite:** Business Software Applications I

This course 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. Students will also have the opportunity to gain industry-recognized credentials to document advanced computer skills.

### Digital Media Design

**Prerequisite:** Business Software Applications I

This course 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.

### Personal Finance

This one-year course is designed to introduce students to the management of personal and family resources to achieve personal goals and financial literacy. Also included in the curriculum is a study of economics, marketing, accounting procedures, and the global financial market. Content provides opportunities for students to explore consumer behavior, laws and legislation, consumer protection, consumer rights and responsibilities, advertising, individual and family money management, banking services, use of credit, income tax, technology, and careers in providing financial services.

### Marketing Principles

This course focuses on basic marketing concepts, marketing functions, entrepreneurship concepts, national and global economics, international marketing, and human relations. A major emphasis is placed on guiding students to make decisions regarding a specialized marketing career and to develop and finalize a career portfolio. Credentials used for this course are MOS (Microsoft Office Specialist) certification in both Word and PowerPoint.

### Sports Marketing

Sales and Promotion Planning/Sports Marketing is a one-credit course that provides the tools necessary for the development, implementation, and management of promotional programs. The focus of this course is on utilizing promotional knowledge and skills for communicating information to achieve the desired outcome. Students develop skills related to advertising, publicity, special events, visual merchandising, displays, promotional campaigns, and advertisements to aid in promotional planning. They learn to manage the sales function to determine client needs and wants and to respond through planned, personalized communication. For this course, we are going to utilize all of the course objectives and apply them to the world of sports. We will focus on sports marketing at the high school, collegiate, and professional levels. This class will also be used as a career study class for any who might be interested in a career in sports marketing.

### **Cooperative Education/Work-Based Learning**

This class integrates classroom instruction and learning with productive, supervised work experience in fields related to a student's career objectives. Cooperative education students must meet all requirements for graduation. Students participating in Cooperative Education are required to complete a minimum number of hours of paid or unpaid internship work during the school year. Students must have a **driver's license** to participate in the program. Students must submit an application and have coordinator approval to enroll in this course. Upon approval, a student may sign up for the one or two-hour cooperative education/work-based learning lab.

### **Banking and Financial Services**

#### **Prerequisite: Personal Finance and application**

Banking and Financial Services is a one-credit course for juniors or seniors designed to help students develop skills related to banking and related services as they process customer transactions, maintain a cash drawer, process documents, and respond to customer requests and provide other customer services. Students employ technical skills to perform data processing functions as well as to perform new account functions. Students selected for this course will operate the Redstone Federal Credit Union branch located in HHS and will be expected to attend summer training conducted by Redstone Federal. Field trips and job shadowing opportunities will allow students to further explore career opportunities in the banking and financial services market.

### **CEO**

Decatur Morgan CEO is an entrepreneurship program where nine students from high schools across Morgan County are using class time to start real companies. This program was started in 2009 by the Midland Institute in Illinois and has grown to hundreds of high schools in several states. This program is the first to be established in Alabama. The students meet every day for 1.5 hours to plan their businesses, visit Morgan County businesses, and listen to dozens of business leaders who come to the class to speak on business and entrepreneurship-related topics. Students who are interested will apply and be interviewed by the CEO Board of Directors as part of the selection process. In the fall, the students start a group business, including determining what business they want to start, finding the funding, and organizing and running the business profitably. In the spring semester, the students each have to get their own individual businesses up and running and work on bringing their products or services to market. There will be a trade show at the end of the year where students will have booths marketing their businesses.

## ENGINEERING

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
9-10	Engineering Essentials- PLTW	1	\$40
9-12	Computer-Aided Design	1	\$40
10-12	Introduction to Engineering Design- PLTW	2	\$40
11-12	Principles of Engineering- PLTW	1	\$40
12	Applications of Engineering and Technology	1	\$40

### Engineering Essentials- PLTW

**Co-requisites: Geometry or Instructor Approval**

A full year, introductory course designed for students to explore the work of engineers and their role in design and development of solutions to real-world problems. The course introduces students to engineering concepts that are applicable across multiple engineering disciplines; it empowers them to build technical skills using a variety of engineering tools, such as 3-D solid modeling software, prototyping equipment, electronics, and geographical information systems. Students will learn and apply the engineering design process to develop mechanical, electronic, process, and logistical solutions to relevant problems.

### Computer-Aided Design

This is a one-semester course in which students can earn 3 hours of college credit at Calhoun Community College. The course provides an introduction to functions. Students will have an opportunity to earn an industry certification in Solid Edge software and will gain experience in 3D printing.

### Architectural Computer-Aided Design

This is a one-semester course in which students can earn 3 hours of college credit at Calhoun Community College (currently at no cost to the student). The course provides an introduction to architectural design and drafting by introducing basic terminology, concepts, and principles of architectural design and drawing. Topics include design considerations, lettering, terminology, site plans, and construction drawings. Upon completion, students should be able to draw, dimension, and specify basic residential architectural construction drawings using a 3-D software program.

### Introduction to Engineering Design- PLTW

**Prerequisites: Geometry and Biology**

**Co-requisites: Chemistry or Instructor Approval**

Engineering Design and Drawing is a dual enrollment course in which students can earn 6 hours of college credit at Calhoun Community College (currently at no cost to the student). The course focuses on the design and drawing aspect of the field of engineering. Students learn how to apply the engineering design process as they work in teams on multiple design problems and projects. Time is spent studying drawing and visualization techniques using 2-D and 3-D software programs.

### Principles of Engineering- PLTW

**Prerequisites: Geometry and Chemistry Co-requisites: Algebra II with Trig or Instructor Approval**

Through problems that engage and challenge, students explore a broad range of engineering topics including mechanisms, the strength of structures and materials, energy, power, control systems, automation, statistics, and kinematics. Students develop skills in problem-solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Students are introduced to computer programming using RobotC software. Students receive an additional 0.5 quality points for this advanced-level class. The credit earned in this class can be applied as an 11th or 12th-grade advanced science credit or a career tech credit.

### Applications of Engineering and Technology

**Prerequisite: Completion of two or more courses in one career academy or instructor approval**

This is the capstone course in the PLTW high school engineering program. This course is for 12th-grade students who are interested in any technical career path. This is an engineering research course in which students work in teams to design and develop an original solution to a valid, open-ended technical problem by applying the engineering design process. After carefully defining the problem, teams of students will design, build, and test their solutions. Student teams will also present and defend their original solution to an outside panel. While progressing through the engineering design process, students may work closely with experts and will hone their organizational, communication, and interpersonal skills, their creative and problem-solving abilities, and their understanding of the design process.

## COMPUTER SCIENCE

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
9-10	Exploring Computer Science	1	\$20
11-12	Introduction to Computer Science	1	\$10
10-12	Cybersecurity-PLTW	1	\$25
11-12	Computer Science Principles, AP	1	\$25
11-12	Computer Science A, AP	1	\$30

### Exploring Computer Science 9-10

### Introduction to Computer Science 11-12

Introduction to computer science is an introductory computer science programming course and can be taken as a semester course or a full-year course. Intro to CS is an engaging course that explores a variety of basic computational thinking and programming concepts through a project-based learning environment. One semester introduces students to the block-based programming language SNAP from UC Berkeley, with a transition in the second semester to text-based programming using the beginner-friendly Python language. The curriculum advocates a "hands-on" learning approach in which student's primary means of learning is through discovery, experimentation, and application. Credit earned in this class can be applied as either a 4th math, 3rd/4th science, or career tech credit for graduation.

### Cybersecurity- PLTW

#### **Prerequisites:** CSTEM or Intro to CS and 2.5 GPA in coursework at HHS

This is a one-year introductory level course in cybersecurity and digital forensics based on the PLTW curriculum. It introduces the technologies used in the field, such as hardware, basic computer networking, and cybersecurity tools. Whether seeking a career in the growing field of cybersecurity or learning to defend their own personal data or a company's data, students in Cybersecurity establish an ethical code of conduct while learning to defend data in today's complex cyber world. Credit earned in this class can be applied as either a 4th math, 3rd/4th science, or career tech credit for graduation.

### Computer Science Principles, AP

#### **Prerequisite:** Geometry, Algebra I, and 3.0 GPA in coursework at HHS.

GPA Weighted Credit: 1.0

AP CSP introduces students to the central ideas of computing and computer science (CS), including the ideas and practices of computational and critical thinking. The AP CSP course is rigorous and rich in computational content and engages students in the creative aspects of CS in order to see how it changes our world. Course materials are based on UC Berkeley's freshman CS course called the Beauty and Joy of Computing and aim to appeal to a very broad and diverse audience. AP CSP is considered a "math" or "science" course credit in Alabama, and students receive an additional 1.0 quality points for this advanced class. Credit earned in this class can be applied as either math, science, or career tech credit.

### AP Computer Science A

#### **Prerequisites:** AP CSP or Intro to Computer Science, and guidance/instructor approval

AP Computer Science is comparable to an introductory level course for computer science courses at the college level. Upon completion of the course, students should be able to design and implement solutions to problems by writing, running, and debugging computer programs; use and implement commonly used algorithms and data structures; develop and select appropriate algorithms and data structures to solve problems, code fluently in an object-oriented paradigm using the programming language JAVA; read and understand a large program consisting of several classes and interacting objects, and recognize the ethical and social implications of computer use.



## MEDICAL

*The Medical Academy program is a college prep sequence of courses designed to prepare students for post-secondary education in a healthcare field or entry-level employment in healthcare*

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
9	Orientation to Health Science	1	\$20
10-11	Foundations of Health Science	1	\$40
11	Therapeutic Services	1	\$20
11 or 12	Human Body Structures & Functions	1	\$20
11 or 12	Sports Medicine Fundamentals	1	\$20
12	Health Science Internship	2	\$60
11 or 12	CTE Lab in Health Science	1	
12	Introduction to Pharmacy	1	

### Orientation to Health Science

Orientation to Medicine will introduce the 9th grade student to the healthcare industry and assist students in making informed decisions regarding their college and career goals. The students will learn the characteristics needed by healthcare providers, the history of medicine, and the functions of the healthcare system. The course includes information concerning the practices for promoting health, wellness, and disease prevention. Instruction and learning activities are provided in a classroom setting using hands-on experiences appropriate to the course content and in accordance with current practices. There is no prerequisite for Orientation to Medicine.

### Foundations of Health Science

Students in the 10th or 11th grade will become competent in the areas of bloodborne pathogens, infection control, standard precautions, professionalism, and AHA Healthcare Provider CPR. This class fulfills the 1/2 health credit needed for graduation and the requirements of our hospital contracts for clinical internships. There is no prerequisite for Foundations of Medicine.

### Therapeutic Services

**Prerequisite:** Successful completion of Foundations of Medicine.

Therapeutic Services in Medicine is a hands-on course focusing on entry-level skills required for employment in all healthcare occupations. Lab skills will be supplemented with activities and lectures that are required for successful progression to the medical internship class. Students will become certified in 1st Aid. Students will participate in a hands-on mass casualty incident - disaster drill - to further enhance 1st aid procedures. Students will become certified in HIPAA in preparation for the Internship portion of the program. Lab skills/activities comprise approximately 50% of the curriculum.

### Human Body Structures and Functions (Honors)

This course is an anatomy and physiology class that offers a comprehensive study of the human body based on the structure and function of each system and how one relates to the other. Disease processes are incorporated into each unit. Students learn "form dictates function" through hands-on learning experiences such as dissection and clay modeling.

### Sports Medicine Fundamentals

**Prerequisite:** Successful completion of Foundations of Medicine

A one-credit course that teaches fundamental skills within the field of sports medicine. Students will explore the study of sports medicine and its relationship to injury prevention. Students will demonstrate an understanding of anatomy and physiology, with emphasis on the musculoskeletal system. The importance of injury and disease prevention will be emphasized. Students will examine sports medicine facilities, policies, procedures, and protocols utilized in patient care.

## Health Science Internship - 2 Class Periods

### **Prerequisite: Foundations of Medicine and Therapeutic Services**

Medical Internship is an honors course that provides students with the knowledge and skills necessary to become a healthcare worker and prepares students for postsecondary healthcare educational programs. The curriculum is designed to be completed in a hospital, or other healthcare facility two days per week. Performance/benchmark tests in prerequisite courses, attendance, discipline, and teacher recommendations are considered for enrollment. National certification as a Certified Patient Care Technician, Certified EKG Technician, and Veterinary Medical Applications Certification is offered as part of the curriculum. This is a two-credit course taken in two class periods. Articulated credit with Calhoun Community College is available to those students who qualify.

## CTE Lab in Health Science

This hands-on lab course will allow students the opportunity to practice and demonstrate mastery of health science skills that will prepare them for either immediate work in a healthcare field or entrance into a healthcare post-secondary program. Instructor approval is required.

## Pharmacy Technician

### **Prerequisite: Foundations of Medicine, Therapeutic Services. Anatomy/Physiology concurrently**

This honors course introduces students to the pharmacy industry and profession. The course content includes pharmacology, the history of medicine, pharmacy calculations, technology, legal issues, and technical skills. Upon completion of this course, students will be eligible to take the national pharmacy technician exam and begin working as Certified Pharmacy Technician. College credit through ACE is available to those students who qualify.

## EDUCATION

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
9	Education and Training Foundations	1	\$20
10	Teaching I	1	\$20
11	Teaching II	1	\$20
12	Education and Training Internship	1	\$20
11-12	CTE LAB- Teach and Train Academy	1	

### Education and Training Foundations

This one-credit course is a prerequisite for all courses in the Education and Training Career Academy. The course is designed for students who are interested in pursuing careers in education. The course is designed for students who are interested in pursuing careers in education. Course content includes the organizational structure of education, careers, the role of the teacher, teaching and learning processes, learning styles, education initiatives, technology, and human growth and development. Observations are a component of this course.

### Teaching I

**Prerequisite:** Education and Training Foundations

Teaching I is a one-credit course that helps students implement the teaching and learning processes. Students are further exposed to all aspects of teaching and learning processes. School-based laboratory experiences are essential for students to develop skills in teaching. Observational experiences are a required component of this course.

### Teaching II

**Prerequisite:** Teaching I

Teaching II provides students with advanced knowledge and skills used in the educational field. Observational experiences are a required component of this course.

### Education and Training Internship

**Prerequisite:** Teaching II, senior status, and/or instructor placement

This 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. The 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. A senior-level project will be one requirement to successfully complete the course.

### CTE LAB- Teach and Train Academy

This is a one-hour course for students who have completed Teaching I and are enrolling in Teaching II or Internship. This lab offers additional opportunities for students to work in the classrooms with an assigned cooperating teacher.

## MILITARY LEADERSHIP

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
9	CAP Leadership & Training (ALF I)	1	\$20
9-10	CAP Leadership & Training (ALF II)	1	\$20
10-12	CAP Leadership & Training (ALF III)	1	\$20
11-12	CAP Leadership & Training (ALF IV)	1	\$20

### CAP Leadership & Training (ALF I)

Students grades 9-12 accepted into the initial Wing of Cadets at HHS will be based on application and interview. This introductory Civil Air Patrol course offers students opportunities to develop responsible leadership potential while working cooperatively with others. Squadron members will, in addition, be able to think logically and communicate effectively with others, participate in community service projects, appreciate the importance of physical fitness, and work to develop the skills necessary to work effectively as a member of a team. The course curriculum will focus on a combination of leadership theory and application, communication, and service with hands-on projects centered around studies in science, technology, engineering, and math (STEM). Many of the projects will center around aerospace science and the exploration of flight. Students will also have an opportunity to exploration into various military careers. Students accepted in the CAP Let I class will be expected to actively participate in the Civil Air Patrol Squadron of HHS.

### CAP Leadership & Training (ALF II)

**Prerequisite: CAP ALF I**

This continuing Civil Air Patrol course offers students opportunities to build upon the first two years of responsible leadership while working cooperatively with others. Advancing through the ranks of CAP will be expected of these students. Squadron members will, in addition, be able to think logically and communicate effectively with others, participate in community service projects, appreciate the importance of physical fitness, and work to develop the skills necessary to work effectively as a member of a team. The course curriculum will focus on a combination of leadership theory and application, communication, and service with hands-on projects centered around studies in science, technology, engineering, and math (STEM). Many of the projects will center around aerospace science and the exploration of flight. Students will also have an opportunity to exploration into various military careers. Students accepted in the CAP Let III class will be expected to actively participate in the Civil Air Patrol Squadron of HHS, including various after-school parades, weekend field exercises, and encampments in the summer.

### CAP Leadership & Training (ALF III)

**Prerequisite: CAP ALF II**

Students grades 9-12 accepted into the initial Wing of Cadets at HHS will be based on application and interview. This introductory Civil Air Patrol course offers students opportunities to develop responsible leadership potential while working cooperatively with others. Squadron members will, in addition, be able to think logically and communicate effectively with others, participate in community service projects, appreciate the importance of physical fitness, and work to develop the skills necessary to work effectively as a member of a team. The course curriculum will focus on a combination of leadership theory and application, communication, and service with hands-on projects centered around studies in science, technology, engineering, and math (STEM). Many of the projects will center around aerospace science and the exploration of flight. Students will also have an opportunity to exploration into various military careers. Students accepted in the CAP Let III class will be expected to actively participate in the Civil Air Patrol Squadron of HHS.

### CAP Leadership & Training (ALF IV)

**Prerequisite: CAP ALF III**

The pinnacle Civil Air Patrol course at HHS offers students opportunities to build upon the first three years of CAP experiences and leadership while taking the mantle of leadership of the squadron. Advanced ranks of the CAP cadet structure will be expected of these students. These advanced cadets will, in addition, be able to exercise logical processes, understand critical thinking, communicate effectively with others, participate in community service projects, appreciate the importance of physical fitness, and work to master the skills necessary to work effectively as a member of a team. The course curriculum will focus on the advanced combination of leadership theory and application, public speaking, communication with others, and service with hands-on projects centered around studies in science, technology, engineering, and math (STEM). Many of the projects will center around aerospace science and the exploration of flight. Students will also have an opportunity to explore various military careers. Students accepted in the CAP Let III class will be expected to actively participate in the Civil Air Patrol Squadron of HHS, including various after-school parades, weekend field exercises, and encampments in the summer.

## MANUFACTURING

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
9-12	Introduction to Manufacturing	1	\$20
9-11	Manufacturing I	1	\$20
10-12	Manufacturing II	2	\$20
11-12	CTE Lab in Manufacturing (Tiger Launch)	3	

### Introduction to Manufacturing

Introduction to Manufacturing is the initial course in the Manufacturing Academy. This course will provide basic conceptual and operational knowledge of manufacturing while exploring careers related to the Manufacturing Industry. Manufacturing processes are studied through project-based learning opportunities. Successful completion of Introduction to Manufacturing is recommended for dual enrollment in Advanced Manufacturing courses with Calhoun CC.

### Manufacturing I

Manufacturing I is an extension of the Introduction to Manufacturing course. This course allows students to earn 3-6 hours of dual enrollment credit (currently at no cost to students) from Calhoun Community College in WKO 141 and/or WKO 142. Students learn safety practices & measurement techniques required in manufacturing while applying these skills to the manufacturing production process. This is a hands-on course for students interested in pursuing a career in the industry. Students have the opportunity to earn their OSHA-10 credentials. **Students must ride the bus to the Hartselle Career Center.**

### Manufacturing II

Manufacturing II is an extension of the Advanced Manufacturing I course. This course allows students to earn 3-6 hours of dual enrollment credit (currently at no cost to students) from Calhoun Community College in WKO 143 and/or WKO 144. Students learn about manufacturing processes and production and maintenance awareness required in manufacturing. This is a hands-on course where students apply these skills to the manufacturing production process and are interested in pursuing a career in the industry. **Students must ride the bus to the Hartselle Career Center.**

### CTE Lab in Manufacturing (Tiger Launch)

TigerLaunch is a program created by a unique partnership Hartselle City Schools has developed with local industrial partners to provide junior and senior students with paid internship/apprenticeship opportunities in areas specific to their career interests. Students receive class instruction on how to be good employees. Successful completion of the TigerLaunch program will significantly enhance the participant's resume upon leaving high school increasing their desirability for potential employers and colleges. Tigerlaunch is a three-credit class open to seniors. Preference is given to applicants who have completed other CTE courses before the senior year. Three shifts of work are offered: 7 am-11 am, 1 pm-5 pm, 5:30 pm-9:30 pm. An application must be completed and turned in to HHS. Students must be on target for graduation, must have their own transportation, must pass an employee drug screening, must have good school attendance, and be free from major discipline infractions in order to be selected. All applicants are not guaranteed a spot in the program.

## PUBLIC SAFETY AND LAW

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
9-12	Intro to Law & the American Legal System	1	
10-12	Introduction to Criminal Justice (Fall)	.5	
10-12	Police Patrol (Spring)	.5	
11-12	Forensic Science and Crime Sc Invest	1	\$15

### Introduction to Law and the American Legal System

This is a one-credit course that will investigate the American legal system and its operation. The course will allow students to develop an understanding of the law, the legal system, the role of law enforcement, and how it impacts their lives.

### Introduction to Criminal Justice (Fall- CRJ 100)

Intro to Criminal Justice is a semester course taught off-campus at the Hartselle Career Center. It is open to 10th, 11th, and 12th-grade students who have their transportation. The course is designed to introduce students to a variety of topics including law enforcement, the court system, corrections, and law in our society. Students will have an opportunity for dual enrollment credit with this class.

### Police Patrol (Spring- CRJ 110)

**Prerequisite:** Introduction to Criminal Justice (CRJ 100)

Intro to Policing is a general survey of the history and role of police in the administration of justice in the US. The course covers the various policing agencies at the local, state, and federal levels. The course is designed to develop a working knowledge of the world of policing. This course is offered as a dual enrollment option for CRJ 110 through Calhoun CC in the Spring as a continuation of Intro to Criminal Justice.

### Forensic Science and Crime Sc Invest

**Prerequisite:** Chemistry is recommended before taking this course.

Forensic Science is a rapidly developing area of the Law and Public Safety Academy. Forensic investigators provide assistance to first responders (i.e. firefighters and law enforcement) as well as the criminal justice system. This course will cover career opportunities, the history of forensic science, the collection and analysis of evidence, toxicology, fingerprinting, document validity, ballistics, and anthropology. This course will encourage critical thinking, the use of the scientific method, the integration of technology, and the application of knowledge and skills related to practical questions and problems. Case studies and scenarios will help students understand the implications and issues that are emerging as the science of forensics continues to develop. The course is not accepted as a requirement for the Honors Diploma.



## Frequently Asked Questions

**How are grades reported?** PowerSchool Parent Portal/ APP and Report Cards

**Is there a specific supply list?** The individual teacher will provide a list of materials needed in addition to the routine school supplies on the first day of class.

**How do I know which courses are considered Physical Science?** Physical Science, Chemistry, and Physics all meet the state requirements.

**What courses meet the Health graduation requirement?** Health and Foundations of Health Science both meet the state requirement.

**Do I have to take all Advanced Placement courses?** We encourage all students to push themselves to the highest academic rigor possible. It is recommended for students going to college to take at least one AP course in their area of academic strength, personal interest, and/or relevance to a planned career path. AP courses mirror the rigor of college-level classes.

**Do I have to take Advanced or AP courses in order to earn an Alabama High School Diploma?** Students can meet the requirements of an Alabama High School Diploma without taking Advanced or AP courses.

**What is the difference between regular and advanced?** Both regular and advanced courses will use the Alabama College and Career Ready grade-level standards. Advanced courses have additionally added rigor. The same textbook will be used, yet different readings and materials may supplement courses.

**May students receive credit toward graduation for courses in the 8th grade?** Yes. Students may bring up to one credit of a World Language to the 9th grade (high school) transcript.

**Why is it so difficult to change my class schedule? What's the big deal?** Administrators and counselors spend an incredible amount of time building class schedules that reflect the students' goals and interests, fairly distributing students among similar classes, and placing courses at times in the day when most students can take requested classes. Once classes are balanced and sections are established, it is most difficult to make a change without affecting the overall balance of teachers and class counts. Teachers are hired and textbooks are purchased based on the course enrollment as projected in the spring thereby limiting the availability of classes and textbooks.

**What happens if I fail a class?** For students who are not successful during the regular school year and must repeat a class, summer school may be a necessity. You may also have the option of participating in Credit Recovery, a nine-week intervention program, or re-enroll the following semester.

**HARTSELLE HIGH SCHOOL FEES**

**GENERAL FEES**

Locker	\$10
PE Locker	\$5
Parking	\$20
Drop/Add Class	\$10

**ACADEMIC COURSE FEES**

COURSE NAME	FEE	COURSE NAME	FEE
Access Lab	\$30	English 10	NO FEE
ACT Prep	\$30	English 11	NO FEE
Advance Algebra II with Stats.	\$10	English 12	NO FEE
Advance Biology	\$15	Ensemble	\$20
Advance Chemistry	\$15	Environmental Science	NO FEE
Advance English 9	\$15	Exploring Computer Science	\$20
Advance English 10	\$15	Family and Consumer Science	\$20
Advance Geometry	\$10	Football & Football Wts	NO FEE
Advance US History 10	\$15	Forensic Science	\$15
Advanced Agriscience	\$20	Foundations of Medicine	\$40
Advanced Human Anatomy	\$15	Fundamentals Agriscience	\$20
Advanced Manufacturing I	\$20	Geometry	NO FEE
Advanced Manufacturing II	\$20	Golf	NO FEE
Algebra I	NO FEE	Government	NO FEE
Algebra II with Stats.	NO FEE	Health	NO FEE
AP 2-D Art & Design	\$30	HIS 201	DE
AP Biology	\$20	HIS 202	DE
AP Calculus AB	\$25	Human Body Structures	\$20
AP Chemistry & LAB	\$20	Instrumental Tech	\$20
AP Computer Science A	\$30	Intermediate Agriscience	\$20
AP Computer Science Principles	\$25	Intro to Computer Science	\$10
AP Economics	\$10	Introduction to Criminal Justice	NO FEE
AP Environmental Science	\$20	Introduction to Law & The Legal System	NO FEE
AP Government	\$10	Introduction to Manufacturing	\$20
AP Language (11th Grade)	\$20	Introductions to Engineering Design	\$40
AP Literature (12th Grade)	\$20	IRC Peer Aide	NO FEE
AP Music Theory	\$20	Journalism	NO FEE
AP Physics I	\$20	Marching Band	\$10
AP Pre-Cal	\$10	Mathematical Modeling	NO FEE
AP Prep	NO FEE	Marketing Principles	\$5
AP Psychology	\$20	Medical Internship	\$60
AP Seminar	\$20	Morgan County Career Tech	NO FEE
AP Stats	\$20	Digital Media Design	\$15
AP US History	\$20	Office, Counseling, Library Aide	NO FEE



AP World History	\$20	Orientation to Health Science	\$20
Applied Agriscience	\$20	Performers	\$20
Arc. Computer-Aided Design (CAD)	\$40	Personal Finance	\$5
Banking Financial Services	NO FEE	Personal Fitness	NO FEE
Baseball & Baseball Wts.	NO FEE	Pharmacy Technician	\$20
Basketball	NO FEE	Physical Science	NO FEE
Beginning Guitar	\$15	Police Patrol	NO FEE
Beginning Kinesiology	NO FEE	Pre-Calculus	\$10
Biology	NO FEE	Principles of Engineering PLTW	\$40
Building Construction I- Const Framing	\$20	Psychology	NO FEE
Building Construction II- Site Prep	\$20	Soccer	NO FEE
Business Applications Software I	\$15	Softball	NO FEE
Business Software Applications II	\$15	Spanish 1	\$10
CAP ALF I-IV	\$20	Spanish 2	\$10
Career Prep A	NO FEE	Spanish 3	\$10
Career Prep B	NO FEE	Spanish 4	\$10
CEO	NO FEE	Sports & Entertainment Marketing	\$5
Chamber Choir	\$20	Sports Medicine Fundamentals	\$20
Cheerleading	NO FEE	Studio Art	\$25
Chemistry I	\$15	Survey of the Old Testament REL 151	DE
Co-Op/WBE1 (1 Hour)	\$25	Survey of the New Testament REL 152	DE
Co-Op/WBE2 (2 Hours)	\$25	Teaching I	\$20
Co-Op/WBE3 (3 Hours)	\$25	Teaching II	\$20
Color Guard	\$20	Tennis	NO FEE
Computer-Aided Design (CAD)	\$40	Theatre	\$15
Concert Band	\$10	Therapeutic Services in Medicine	\$25
Concert Chorus	\$20	Tiger Launch	NO FEE
CrossCountry	NO FEE	Track	NO FEE
CTE Lab in Health Science	NO FEE	US History 10	NO FEE
CTE LAB- STEM	\$40	US History 11	NO FEE
CTE LAB- Teach and Train Academy	NO FEE	Videography	\$10
Cybersecurity	\$25	Virtual Lab	\$30
Debate	\$20	Visual Arts I	\$20
Driver's Ed	\$50	Visual Arts II	\$20
Dual Enroll	NO FEE	Visual Arts III	\$25
Earth and Space	NO FEE	Visual Arts IV	\$25
Economics	NO FEE	Vocal Tech	NO FEE
Education & Training	\$25	Volleyball	NO FEE
Education & Training Internship	\$20	Welding 1-2	NO FEE
Engineering Essentials PLTW	\$20	World History	NO FEE
English 9	NO FEE	Wrestling	NO FEE
		Yearbook	NO FEE