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# **HARTSELLE HIGH SCHOOL**



## **ACADEMIC GUIDE**

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**2020-2021**

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## 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,

Brad Cooper

Principal



# Hartselle High School

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### **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 their 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 POLICY**

The purpose of this policy is to make students aware of situations which 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 a 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 of 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/hers originally. 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:** of 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.

## 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

<u>Date</u>	<u>Registration Activity</u>
Jan 24, 2020	Meet with incoming 9th graders at HJHS
Jan 27, 2020	Class Meetings and Curriculum Fair
Feb 3, 2020	Choice Cards due in history classes
Feb 3-10, 2020	Counselors enter choice cards.
Feb 10, 2020	Students without choice cards turned in will have classes chosen for them.
April 13, 2020	Course Request Verifications distributed
April 17, 2020	Course Request changes due to the guidance office
May 22, 2020	Final changes made to any course selection for the 2020-2021 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 in 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 2020-2021**

May 22, 2020	Last day to drop/change a core class.
August 19, 2020	Last day to drop an elective class, including virtual class, without penalty. These dropped courses will not reflect on the transcript or the students' GPAs.
After August 19, 2020	After August 19, 2020, courses that are dropped, including athletics and virtual classes, will be reflected on the transcript and GPA for the fall semester.
December 18, 2020	For 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 18, 2020	After December 18, 2020, 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 year 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 district, he or she must have attended a Hartselle City School the preceding year.

**NCAA ELIGIBILITY**

All prospective student-athletes planning to enroll in a 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 courses they elect to take meet all NCAA requirements.

**CREDIT INTERVENTION**

Students who have a failing score for a nine-weeks' 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 (PLATO). The maximum grade that may be earned for the nine-weeks' grading period is a 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 opportunity and greatly improves 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.
- 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.

<b>AP Courses Offered at Hartselle High School</b>	
AP Biology	AP Statistics
AP Calculus AB	AP Government
AP Chemistry	AP Macroeconomics
AP Computer Science Principles	AP United States History
AP Language (11th)	AP World History
AP Literature (12th)	AP Physics I
AP Environmental Science	AP Psychology
AP Music Theory	

## 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 emphasis on problem solving, analysis, writing, research, and enrichment, and/or laboratory experiences. Advanced courses receive weighted credit of .5 in the calculation of GPA. Careful attention should be made when selecting an 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 with Trig
Advanced Human Anatomy	Advanced Pre-Cal
Advanced Geometry	Human Body Structures (science 11th or 12th)

## 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 administration to enroll for dual credit and must meet 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/>

<b>Dual Enrollment Courses offered at Hartselle High School</b>	
<b><u>Hartselle High School Class</u></b>	<b><u>Calhoun Dual Enrollment Class</u></b>
<b><u>ENGLISH</u></b>	
AP Language and Composition	ENG 101 and ENG 102
AP Literature and Composition	ENG 261 and ENG 262
<b><u>HISTORY</u></b>	
Advanced US History 10	HIS 201
AP US History 11	HIS 202
<b><u>SCIENCE</u></b>	
Advanced Human Anatomy	BIO 201 and BIO 202
AP Biology	BIO 103 and BIO 104
<b><u>MATH</u></b>	
Advanced Pre Calculus	MTH 112
AP Calculus	MTH 125
AP Statistics	MTH 265
<b><u>ELECTIVE</u></b>	
AP Psychology	PSY 200
<b><u>CAREER TECHNICAL</u></b>	
Emergency Medical Technician	EMS 118 and EMS 119
Engineering Design and Drawing	DDT 111 and DDT 144
Welding	WDT 108 and WDT 122
Advanced Manufacturing I	ADM 101 and ADM 111
Advanced Manufacturing II	ADM 105 and ADM 106
Intro to Criminal Justice	CRJ 100
Police Patrol	CRJ 110

### **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 effort to provide challenging, project-based, applied training exposing students to as much as possible in a potential career field.

<b><u>Career Academies Offered at Hartselle High School</u></b>	
Medical Academy	Business/Marketing/Finance Academy
Engineering Academy	Agriculture and Building Construction Academy
Information Technology Academy	Fine Arts Academy
Education & Training Academy	Public Law and Safety Academy
Manufacturing Academy	Military Leadership Academy
Students completing four courses in a career academy pathway can earn a cord to wear at graduation.	

## **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. 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 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 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 works 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.**

**Visit the link below to see a listing of virtual courses:**

[https://docs.google.com/document/d/e/2PACX-1vToD0-5V-t2JeRG31HEg2vlp4LdIVlikzYGUEYMvsXemdIFg5TALuNcreGMNr\\_tPrEMGgfs2iJhkUuR/pub](https://docs.google.com/document/d/e/2PACX-1vToD0-5V-t2JeRG31HEg2vlp4LdIVlikzYGUEYMvsXemdIFg5TALuNcreGMNr_tPrEMGgfs2iJhkUuR/pub)

### **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 7 – 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. Flexibility of the ACCESS program allows students to complete their coursework 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 direct supervision of an ACCESS trained facilitator. All coursework needed to meet graduation requirements are provided through ACCESS. This list may change before the beginning of next school year. All requests for ACCESS courses must be made through your school counselor. For further information, you may visit the ACCESS web site at [www.accessdl.state.al.us/](http://www.accessdl.state.al.us/) and select “Courses” to view courses currently available.

**SECONDARY TESTING**

<b>Grade Level</b>	<b>Standardized Testing</b>	<b>Approximate Time of Year</b>
9	PreACT 8/9 or Practice ACT (required)	Fall
9	PSAT (practice/optional)	Fall
10	PSAT (practice/optional)	Fall
10	PreACT (required)	Fall
10,11, & 12	District ACT (optional)	Fall
11	PSAT (optional)	Fall
11	Practice ACT	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 to 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 that plan to use the SAT for college admission are encouraged to take the test in the spring of the junior year. Students who are strong verbally often score higher on the SAT than they do the ACT.

Students interested in taking the SAT should visit [www.collegeboard.org](http://www.collegeboard.org)

**PreACT 8/9**

All students enrolled in grade 9 will take the PreACT 8/9. This multiple-choice assessment provides 8th and 9th grade students an early measure of College and Career Readiness while serving as a practice opportunity for the ACT test.

**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 predicting score range of what the student might make on the ACT. This test does include the English, Reading, Math, and Science that mirrors 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 a student's skills in planning and writing.

Students can register for the ACT on [www.ACT.org](http://www.ACT.org)

Benchmark scores for the ACT are as follows: English - 18; Reading - 22; Math - 22; and Science - 23.

## **WORKKEYS**

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

## **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:

<b>CCRI</b>	<b>Requirement to meet CCRI</b>
AP Exam	Qualifying score of a 3 or higher
ACT with Writing Exam	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



**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	LIFE PE	1
Health Education	Health or equivalent (Foundations of Medicine)	.5
Career Preparedness	Career Preparedness or equivalent (Embedded in Intro-level career-tech class and economics)	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 in sequence	3
Electives		2.5 minimum
Total Credits		24

**ALABAMA HIGH SCHOOL DIPLOMA WITH HONORS**

<b>Areas of Study</b>	<b>Requirements</b>	<b>Credits</b>
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, 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	LIFE PE	1
Health Education	Health or equivalent (Foundations of Medicine)	.5
Career Preparedness	Career Preparedness or equivalent (Embedded in Intro-level career-tech class and economics)	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

Student's 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
<b><u>STANDARD</u></b>	<b><u>STANDARD</u></b>	<b><u>STANDARD</u></b>	<b><u>STANDARD</u></b>
___ English 9 ___ English 10 ___ English 11 ___ English 12  Other: _____	___ Geometry with Data Analysis ___ Algebra I with Probability ___ Algebra II with Statistics ___ Specialized Course Option  Other: _____	___ Biology ___ Physical Science ___ Forensic Science ___ Chemistry ___ Earth and Space ___ Environmental Sci  Other: _____	___ World History ___ US History 10 ___ US History 11 ___ Economics (½ credit) ___ Government (½ credit)  Other: _____
<b><u>HONORS</u></b>	<b><u>HONORS</u></b>	<b><u>HONORS</u></b>	<b><u>HONORS</u></b>
___ Adv English 9 ___ Adv English 10 ___ AP English 11 ___ AP English 12 ___ OR Equivalent  Other: _____	___ Adv Geometry w/Data Analysis ___ Adv Alg. II with Statistics ___ Adv PreCalculus ___ AP Calculus AB ___ AP Comp. Sci. Princip. ___ AP Statistics ___ OR Equivalent  Other: _____	___ Adv Biology ___ Adv Chemistry ___ Adv Human Anatomy ___ Human Body Structures ___ Adv Physics ___ Princip. of Engineering ___ AP Biology ___ AP Chemistry ___ AP Environmental Sci ___ AP Physics 1 ___ OR Equivalent  Other: _____	___ Adv World History ___ AP World History ___ Adv US History 10 ___ AP US History 11 ___ AP Economics (½ credit) ___ AP Government (½ credit) ___ OR Equivalent  Other: _____

## ELECTIVE REQUIREMENTS

<b><u>REQUIRED ELECTIVES</u></b>	<b><u>ELECTIVES</u></b>
___ Health (½ credit) OR Found. of Health Sci (1 credit) ___ Life PE (1 credit) OR two years of Marching Band ___ Career Preparedness (1 credit) OR Career Prep A & B Career Tech, Foreign Language*, or Fine Art (3 credits)	1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____ 7. _____
1. _____ 2. _____ 3. _____	
*Two Foreign Language courses in sequence and 26 total credits are required for the honors diploma.	

**CLUBS AND ORGANIZATIONS**

<u>Club</u>	<u>Teacher Contact</u>
Ambassadors	Cory Wilbanks
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)	Bucky Garner
Bowling (Varsity Girls & Varsity Boys)	Jerry Childers and Tanya Lybarger
Cheerleaders (JV & Varsity)	Sonie Wilson
Choirs	Kate Dupuis
CAP (Civil Air Patrol)	Colonel Williams
Color Guard	Susan Martin
Cross Country (Boys and Girls)	Nick Collier
Dance Team	Tisha Bates
DECA (Marketing)	Margaret Ann Pirtle
Environmental	Elizabeth McFarland
FBLA (Future Business Leaders of America)	Linda Roberts
FCA (Fellowship of Christian Athletes)	Nanette Edde
FFA (Future Farmers of America)	Kyle Woodard
Fishing Team	Jack Napier
Football (JV & Varsity)	Bryan Moore
FTA (Future Teachers of America)	Nanette Edde
Golf (Boys & Girls)	Chad Gladden
HOSA (Health Occupations Students of America)	Lynn Shelton
International Thespian Society	Kelly Cimino
Key Club	Megan Dillard and Elizabeth McFarland
Majorette	Randall Key
Mu Alpha Theta	Donna Legg-Battles
National Art Honor Society	Melanie Calvert
National Honor Society	Abigail Genise
National Technical Honor Society	Nanette Edde, Lynne Shelton
SADD (Students Against Destructive Decisions)	Officer Eubanks
Scholars Bowl	Dr. Jerome Ward
Senior Girls	Nikki Peebles
SGA (Student Government Association)	Dana Gladden
Soccer (Girls)	Mallori Green
Soccer (Boys)	Reagan Rhone
Softball (JV & Varsity)	Christy Ferguson
Spanish Club	Dennis Willingham
Tennis (Boys & Girls)	Chris Pressnell
Theatre H	Kelly Cimino
Tiger Buddies	Karen Howell
Track and Field (Boys & Girls)	Nick Collier
TSA (Engineering)	Kim Pittman
Volleyball (JV Girls & Varsity Girls)	Tanya Lybarger
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 languages by graduation, complete at least 15 hours of 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 achievement 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-weeks 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**

<b>Grade</b>	<b>Course Name</b>	<b>Diploma</b>	<b>Credit</b>	<b>Fee</b>
9	English 9	Regular	1	
9	Advanced English 9	Honors	1	\$15
10	English 10	Regular	1	
10	Advanced English 10	Honors	1	\$15
11	English 11	Regular	1	
11	AP Language	Honors	1	\$20
12	English 12	Regular	1	
12	AP Literature	Honors	1	\$20

**English 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.

**Advanced English 9**

**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 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.

**Advanced English 10**

**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.

## English 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.

## AP English Language & Composition, 11

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

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

Advanced Placement English Language and Composition is a college-level course which 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 in all AP courses. Summer reading is required.

## English 12

### **Prerequisite: English 11**

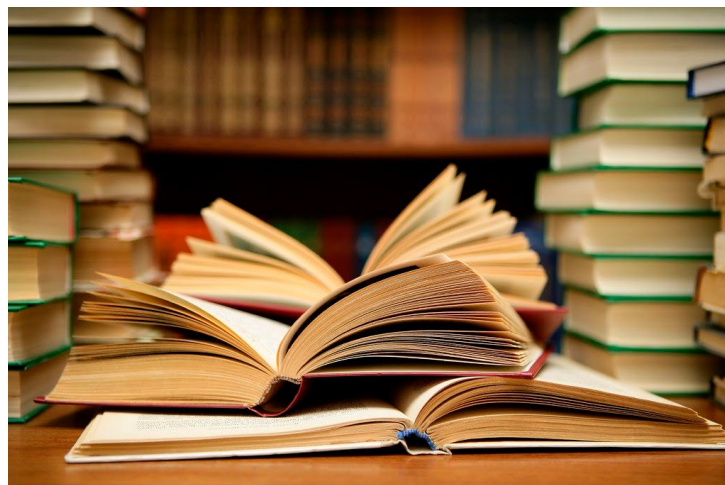
This course is designed to strengthen skills in grammar and composition. Students will read and respond to various selections from British literature and some non-fiction texts. Literature will provide the vehicle through which students learn life lessons, further develop analysis skills, and hone writing 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.

## AP English Literature & Composition, 12

### **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**

<b>Grade</b>	<b>Course Name</b>	<b>Diploma</b>	<b>Credit</b>	<b>Fee</b>
9	World History	Regular	1	
9	AP World History	Honors	1	\$20
10	US History 10	Regular	1	
10	Advanced US History 10	Honors	1	\$15
11	US History 11	Regular	1	
11	AP US History 11	Honors	1	\$20
12	Economics and Government	Regular	1	
12	AP Economics and AP Government	Honors	1	\$20

**World History**

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.

**AP World History**

**Prerequisite:** Freshmen with current-year's 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.

**U.S. History 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 historic 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.

## **Advanced U.S. History 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 subject matter. Students enrolling in Advanced U.S. History 10 are those who anticipate enrolling in AP U.S. History 11.

## **U.S. History 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 present. During this course, students gain knowledge of changing political, economic, and cultural forces at work; of the impact of the natural environment on all aspects of life; and of the role of the United States and the state of Alabama in the international community.

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

**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 in all AP courses.

## **Economics (1 semester)**

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

This semester course is a study of Economics which is paired with 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 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.

## **AP Economics (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.

**AP U.S. Government and Politics (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**

<b>Grade</b>	<b>Course Name</b>	<b>Diploma</b>	<b>Credit</b>	<b>Fee</b>
9 or 10	Biology	Regular	1	
9 or 10	Physical Science	Regular	1	
9	Advanced Biology	Honors	1	\$15
10	Advanced Chemistry 1	Honors	1	\$15
11 or 12	Chemistry 1	Regular	1	\$15
11 or 12	Forensics	Regular	1	\$15
11 or 12	Earth and Space	Regular	1	
11 or 12	Environmental Science	Regular	1	
11 or 12	Human Body Structures and Functions	Honors	1	\$20
11 or 12	Advanced Human Anatomy and Physiology	Honors	1	\$15
11 or 12	Advanced Physics	Honors	1	\$15
11 or 12	AP Environmental	Honors	1	\$20
11 or 12	AP Chemistry	Honors	1	\$20
11 or 12	AP Biology	Honors	1	\$20
11 or 12	AP Physics	Honors	1	\$20
11 or 12	AP Computer Science Principles	Honors	1	\$20

**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. 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.

**Advanced Biology**

**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 system, 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 I

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

Chemistry presents the concepts associated with the properties and changes in matter, 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.

## Advanced Chemistry I

**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.

## Forensics

**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, 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.

## 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.

## Advanced Human Anatomy and Physiology

**Prerequisite: Biology & Chemistry**

**GPA Weighted Credit: 1.0**

Human Anatomy and Physiology is an 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 fulfills a science requirement for the Honors Diploma. Because life functions are chemical reactions, successful completion of Chemistry is required before enrolling in this class.

## 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.

## AP Environmental Science

### **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 stress 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.

## 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 Physics 1

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

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

AP Physics 1 is the equivalent to a first semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. 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. .

## 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

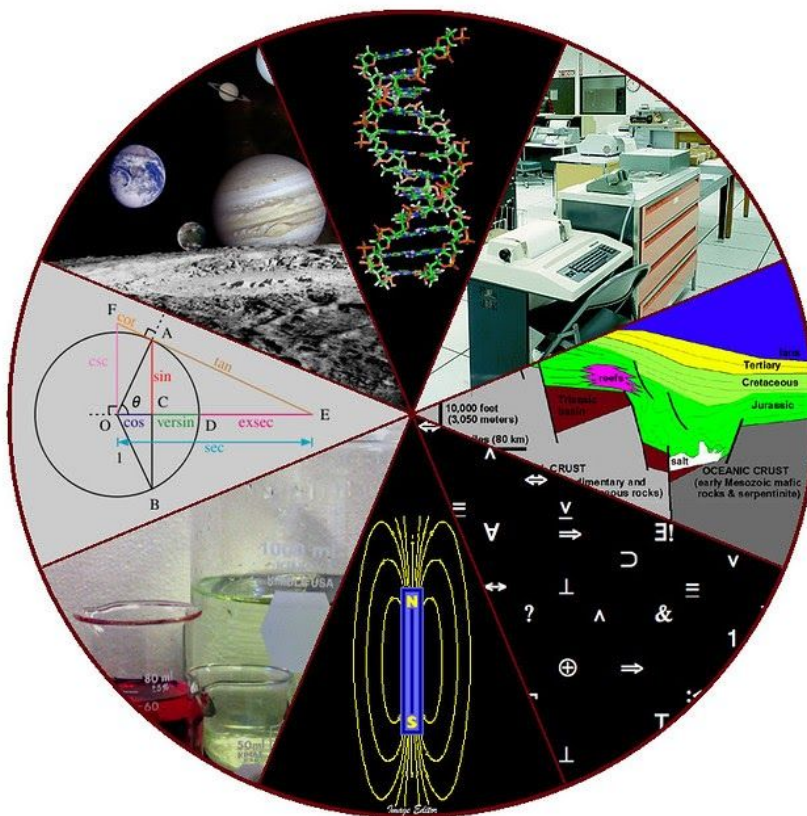
This course is intended to be the equivalent of the college freshman chemistry course. It is a very demanding course with topics and labs completed on a college level. The laboratory work is extensive and often requires extra time to complete. The AP Exam for this course will be administered in May.

## AP Computer Science Principles

**Prerequisite:** Adv Computer Science or approval of instructor

**GPA Weighted Credit:** 1.0

AP CSP is designed to introduce students to the central ideas of computing and computer science (CS), to instill ideas and practices of computational thinking, and to have students engage in activities that show how computing and computer science change the world. The CSP course is rigorous and rich in computational content, includes computational and critical thinking skills, and engages students in the creative aspects of CS. Course materials are based on UC Berkeley's freshman CS course called the Beauty and Joy of Computing, and aims to appeal to a very broad and diverse audience. The last unit of study will include a brief introduction to Java programming to help prepare students interested in taking the AP CS A course during their senior year. AP CSP is considered a "math" course credit in Alabama. Students receive an additional 1.0 quality points for this advanced level class. The credit earned in this class can be applied as math credit or a career tech credit.



**MATHEMATICS**

<b>Grade</b>	<b>Course Name</b>	<b>Diploma</b>	<b>Credit</b>	<b>Fee</b>
9 or 11	Geometry with Data Analysis	Regular	1	
9	Advanced Geometry	Honors	1	\$15
10	Algebra 1B <i>*Only for those who took Algebra 1A during the 2019-2020 School Year</i>	Regular	1	
10	Advanced Algebra II with Statistics	Honors	1	\$15
10-12	Algebra II with Statistics	Regular	1	\$10
11	Advanced Pre-Cal	Honors	1	\$15
11-12	Pre-Cal	Regular	1	\$10
12	Algebra with Finance <i>Class of 2021 ONLY</i>	Regular	1	
12	AP Statistics	Honors	1	\$20
12	AP Calculus AB	Honors	1	\$20
12	AP Computer Science Principles	Honors	1	\$20

**MATHEMATICS LAB ELECTIVES**

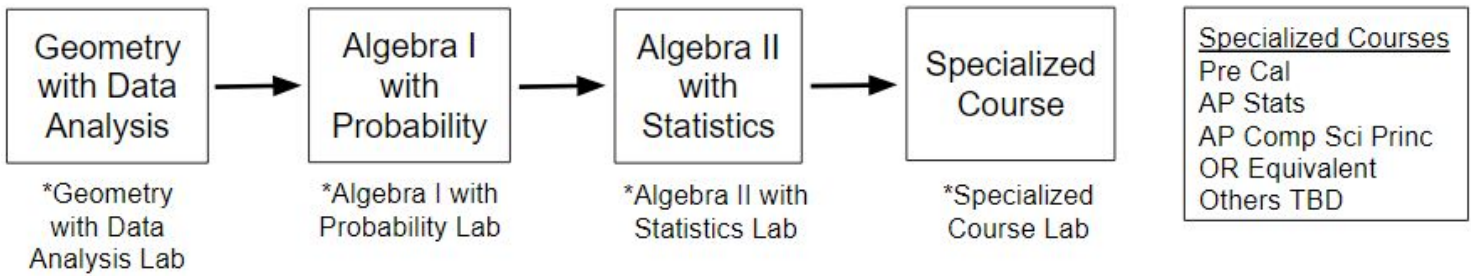
*These classes do not count as a math credit, they are elective credits and should be utilized for those who need additional help in math.*

<b>Grade</b>	<b>Course Name</b>	<b>Diploma</b>	<b>Credit</b>	<b>Fee</b>
9 or 11	Geometry with Data Analysis Lab	Regular	1	
11 or 12	Algebra II with Statistics Lab	Regular	1	



# CLASS OF 2024 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



### **Algebra IB**

***\*Only for students who took Algebra 1A during 2019-2020 School Year  
Discontinued after 2020-2021***

#### **Prerequisite: Completion of Algebra IA and instructor approval**

Algebra IB is the continuation of the Algebra I state requirement for students who took Algebra IA the previous year. Algebra IB reviews the concepts learned in Algebra IA and covers the second half or semester of material completed in Algebra I.

### **Geometry with Data Analysis**

In Geometry with Data Analysis, students incorporate knowledge and skills from several mathematics content areas in order to develop a deeper understanding of mathematical knowledge and skills within the discipline. Students will be afforded opportunities to build their reasoning and sensemaking skills, see the applicability of mathematics, and prepare more effectively for future mathematical studies. Geometry increases students' knowledge of shapes and their properties, which leads to the development of visual and spatial sense and strong reasoning skills. Geometry with Data Analysis requires students to make conjectures and to use reasoning to validate or negate these conjectures. The use of proofs and constructions is a valuable tool that enhances reasoning skills and enables students to better understand more complex mathematical concepts. Students receive many opportunities to explore geometry concepts using technology, hands-on activities, and cooperative work. Other topics include parallel and perpendicular lines, polygons, circles, geometric solids, similarity, the Pythagorean Theorem, trigonometric ratios, and transformations. The course also focuses on data analysis, which provides students with tools to describe, show, and summarize data in the world around them. A focus on mathematical modeling and real-world statistical problem-solving is included, providing students opportunities to use technology and other mathematical tools to explore geometric shapes and their properties and to represent and analyze data. \*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; they are elective courses.

## Advanced Geometry with Data Analysis

**Prerequisite:** Algebra I and Instructor approval

**GPA Weighted Credit:** .05

Advanced Geometry covers the same topics as geometry with a more in-depth and challenging analysis of the major concepts and more emphasis on theory. Logical thinking is developed through concentration on direct and indirect proofs. Additional topics are locus and analytical geometry. 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

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; math labs are elective courses.

## Algebra with Finance

**\*Option for class of 2021-2023 only  
Discontinued after 2022-2023**

**Prerequisite:** Algebra & Geometry and instructor approval

Algebra with Finance is a terminating course for seniors. It is a one credit career preparatory course that teaches students to solve real-world financial problems such as investing, banking, retirement planning, and more. Algebra with Finance is an equivalent/substitute course for Algebra II.

## Algebra II with Statistics

**Prerequisite:** Completion of Algebra I, Geometry, 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.

## Advanced Algebra II with Statistics

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

**GPA Weighted Credit:** .05

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**

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; math labs are elective courses.

## **Precalculus**

### **Prerequisite: Completion of Algebra II with Trigonometry 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 appropriate use of technology, such as a graphing calculator, to facilitate continued development of students' higher-order thinking skills.

## **Advanced Precalculus**

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

#### **GPA Weighted Credit: .05**

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 Pre-AP 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 use of technology, such as a graphing calculator and computers, to facilitate continued development of students' higher-order thinking skills. The use of graphing calculators in Pre-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 Trigonometry and 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 effective preparation. The recommended graphing calculator is the TI-84 Plus CE. The AP Exam for this course will be administered in May.

## AP Calculus AB

**Prerequisite:** Completion of Advanced Precalculus and instructor approval

**GPA Weighted Credit:** 1.0

This college-level course is primarily concerned with developing the students' 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.

## AP Computer Science Principles

**Prerequisite:** Adv Computer Science or approval of instructor

**GPA Weighted Credit:** 1.0

AP CSP is designed to introduce students to the central ideas of computing and computer science (CS), to instill ideas and practices of computational thinking, and to have students engage in activities that show how computing and computer science change the world. The CSP course is rigorous and rich in computational content, includes computational and critical thinking skills, and engages students in the creative aspects of CS. Course materials are based on UC Berkeley's freshman CS course called the [Beauty and Joy of Computing](#), and aims to appeal to a very broad and diverse audience. The last unit of study will include a brief introduction to Java programming to help prepare students interested in taking the AP CS A course during their senior year. AP CSP is considered a "math" course credit in Alabama. Students receive an additional 1.0 quality points for this advanced level class. The credit earned in this class can be applied as math credit or a career tech credit.

$$\frac{\partial}{\partial a} \ln f_{a, \sigma^2}(\xi_1) = \frac{(\xi_1 - a)}{\sigma^2} f_{a, \sigma^2}(\xi_1) = \frac{1}{\sqrt{2\pi}\sigma} \exp\left(-\frac{(\xi_1 - a)^2}{2\sigma^2}\right)$$
$$\int_{\mathcal{R}_n} T(x) \cdot \frac{\partial}{\partial \theta} f(x, \theta) dx = M\left(T(\xi) \cdot \frac{\partial}{\partial \theta} \ln L(\xi, \theta)\right)$$
$$\int_{\mathcal{R}_n} T(x) \cdot \left(\frac{\partial}{\partial \theta} \ln L(x, \theta)\right) \cdot f(x, \theta) dx = \int_{\mathcal{R}_n} T(x) \cdot \left(\frac{\partial}{\partial \theta} \frac{f(x, \theta)}{f(x, \theta)}\right) \cdot f(x, \theta) dx$$
$$\frac{\partial}{\partial \theta} \int_{\mathcal{R}_n} T(x) f(x, \theta) dx = \int_{\mathcal{R}_n} \frac{\partial}{\partial \theta} T(x) f(x, \theta) dx$$

## 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

Spanish 1 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 product 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. Proficiency level goal is Novice High to Intermediate Low: speak in phrases to sentences and carry on 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, 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. 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 introduction of more new vocabulary. Art and life in Hispanic cultures are also part of the curriculum. 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, Performance	.5	\$15
9-12	Theater, Literature	.5	
<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
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	1	\$20
10-12	Chamber	1	\$20
10-12 (Boys) 11-12 (Girls)	Performers	1	\$20
9-12	Vocal Techniques	1	
9-12	AP Music Theory	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	AP Studio Art: 2-D	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	1	
9-12	Speech	.5	
9-12	Debate	.5	\$20
9-12	Videography	1	\$20

### **Theatre, Performance**

This half credit course focuses on specific acting techniques. Creating, performing, and connecting drive critical thinking, meaning, reflection, production and assessment through specific acting techniques. Self-expression and an understanding of how methods of acting may be used to communicate artistic ideas. Students will study, write and/or perform scenes and monologues, use text analysis as well as character analysis to perform informal and formal productions. Students are expected to compete at the district level for the Walter C. Trumbauer event (the first Saturday in November). Additionally, students will be expected to participate in the preparation, rehearsal, and performance of additional short works.

### **Theatre, Elements of Art Literacy**

This half credit course will explore arts literacy through theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, performing and assessment to understand how theatre communicates ideas and allows for self-expression. Students will explore how to create and perform informal and formal theatrical works, relating and connecting them to historical, current and personal events. Students will have an introduction to play structure and analysis. Students will have an introduction to history of theatre, and appropriate etiquette for theatre. Included works: Shakespeare, Ibsen, Williams, Miller, Shaw, Wilde, etc.

### **Marching 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 Symphonic Band will also participate in 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 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.

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

This class is designed to study all aspects of flag and/or rifle performance including practice on fundamental marching techniques. Summer band camp, uniform purchase, other expenses, 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 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 Techniques 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 for scholarship auditions. Depending on the number of students enrolled in the class, outside vocal instruction may be brought in throughout the semester as a means of creating a "Master Class." Students are required to be concurrently enrolled in one HHS' chorus classes.

### **AP Music Theory**

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 course work. 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. Prerequisite to the course is enrollment in instrumental or vocal music class or with permission of the instructor.

### **Visual Arts I**

This introductory course is for students interested in art, those who prefer hands on learning, and students needing to fulfill a fine arts 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 is a more advanced study of drawing and color theory application with special emphasis placed on developing individual skills and techniques. Art history and critique will also be covered during this course.

## Visual Arts III

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

This course mainly focuses on 2D design composition including drawing, painting, printmaking, and photography. A brief introductory unit on 3D design including ceramics or sculpture will also be covered during this course.

## 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.

## Art Studio

### **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 own 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 Studio Art: 2-D Art & Design

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

Instructor placement through portfolio review ONLY

## Speech I (1 semester)

This course is designed to help the student develop skills in oral communication. The student will participate in activities designed to develop and improve self-confidence and poise through oral expression.

## Debate (1 semester)

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.

## 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 provide a communications 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.

## Videography

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 sound board, 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 Study Hall	1	
10-12	AP Psychology	1	\$20
10-12	Psychology	1	
10-12	Annual Staff	1	
10-12	REL 151	1	DE Only
10-12	REL 152		DE Only
9-12	Health	.5	
9-12	Driver's Ed	.5	\$20
9-12	Walking for Fitness	.5	
9-12	ACT Prep	.5	\$30
9-12	Career Preparedness	1	
9-12	Career Prep B	.5	
12	Office, Counseling, Library Aide	NO CREDIT	
12	Peer Tutor	1	

**AP Study Hall (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.

**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 sub-fields within psychology. Students also learn about the ethics and methods psychologists use in the science and practice.

**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 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.

**Annual Staff**

Annual Staff 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 abilities to learn from and work in a group and on deadline.

**Health (1 semester)**

This semester course provides information about our physical, mental, and social well-being in such a way to influence positive actions toward health 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 in order to contribute to its improvement. At 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.

**Walking for Fitness (1 semester)**

This semester course is designed for students that enjoy the benefits of an active lifestyle. It will deal with improving fitness by increasing general physical strength, agility, muscular performance, endurance, and cardiovascular fitness. The bulk of the course will consist of active participation. This class does not meet the PE/Life requirement for graduation.

**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 test 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**

This is a one credit required course that prepares students with content knowledge and skills in the area of career development and academic planning, computer skill application, and financial literacy. This course is designed to meet the required 20-hour online experience. Students taking the computer skill/career development component in the 8<sup>th</sup> grade will only take the one semester Career Preparedness B course in the 9<sup>th</sup> grade.

**Career Preparedness B (1 semester)**

For students that took Career Preparedness A during the 8<sup>th</sup> grade (computer and career), 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 technology skills in research and application information.

### **Office, Counseling, Library Aide**

This is a no-credit elective for seniors only that 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.

### **Peer Tutoring**

The mission of the Peer Tutor at Hartselle High School is to assist teachers by helping their student peers academically, socially, and emotionally in the classroom setting. 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.

### **REL 151: Survey of the Old Testament**

#### **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.

### **REL 152: Survey of the New Testament**

#### **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.



**PHYSICAL EDUCATION**

<b>Grade</b>	<b>Course Name</b>	<b>Credit</b>	<b>Fee</b>
9	Life PE	1	
10-12	Team Sports	1	
9-12	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	

**PE/Life**

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 promoting team effort, healthy competition and self-confidence. This course (1 credit), or its approved substitute, is required for graduation.

**Team Sports**

An elective course for any high school student in grades 10-12 who have successfully completed the PE LIFE prerequisite. Students learn the fundamental skills, rules, drill and compete in team sports such as volleyball, basketball, softball and others.

**Personal Fitness**

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 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, to advance body conditioning, and to advance weight training, as related to Baseball. This course will meet the PE/Life 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/Life requirement for graduation. Basketball coach signature required.

**Cheerleading (Girls)**

Cheerleading is designed for female athletes who participate on 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/Life requirement for graduation. Cheerleading coach signature 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 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/Life 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. Golf coach signature is required.

**Soccer (Boys)**

Soccer is designed for male 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/Life 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/Life requirement for graduation. Softball coach signature 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. Track coach signature is required.

### **Tennis (Boys/Girls)**

Tennis is designed for male and female athletes that 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/Life requirement for graduation. Tennis coach 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/Life requirement for graduation. Volleyball coach signature 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/Life requirement for graduation. Wrestling coach signature is required.





## CAREER AND TECHNICAL EDUCATION ELECTIVES

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
9-12	Infant and Toddler Development	1	
9-12	Interior Design	1	\$20
9-12	Hospitality and Tourism	1	\$20
9-12	Event Planning	1	\$20
10-12	Computer Aided Drafting	.5	
12	Senior Career Project		
12	Ready to Work	.5	
11-12	Tiger Launch	3	
12	CEO	2	

### Infant and Toddler Development

In this one credit course, the student will explore the development of the brain from infancy through toddler years. The student will examine the immediate impact of a newborn's environment and how this shapes and develops a child's learning. The student will analyze how a child's physical, intellectual, and social-emotional development from infancy through toddler years impacts their learning.

### Interior Design

A one-credit course designed to introduce students to the historical aspects and contemporary trends in housing and interior design.

### Hospitality and Tourism

A one-credit foundation course designed to introduce students to the hospitality and tourism industry, the lodging industry, and culinary arts. This course is a prerequisite for Culinary Arts I, Travel and Tourism I, and Lodging I.

### Computer Aided Drafting

This 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.

## Event Planning

This is a one-credit course taught in grades 9-12. Students will learn to organize and plan all aspects of business and social events including the food, location, and décor associated with hiring an event planner. Concepts taught in the course to meet the needs of clients include planning for the event with activities, establishing a budget, determining the theme, planning the guest list, determining the location, developing an event plan schedule, planning transportation needs, training of staff, staging the event, calculating room and space requirements, providing necessary technology and equipment, planning food and beverage services, securing entertainment, understanding legal issues in event planning, and conducting post-evaluations of events. Students demonstrate leadership characteristics and make decisions based on integrating knowledge of financial, human resources, promotion, and event management principals. Students are prepared for various career opportunities in event planning.

## Senior Career Project

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

Senior Career Project is a one credit course designed for senior students who have completed two or more career/technical courses in one career academy. It allows the student to have the opportunity to choose an area of interest and engage in an in-depth exploration of the area. The student will work with his/her coordinating teacher, academic teachers, and community mentors on a pre-approved project that will include job interning/shadowing and other learning opportunities away from school. The senior career project is a chance to enhance classroom instruction, develop leadership, expand career readiness skills, and broaden opportunities for personal growth.

## Ready to Work

Ready to Work class is a ½ credit class offered to 12th grade students. Upon successful completion of the course and a passing score of 4 on the WorkKeys test, students are scholarshiped one no cost course of their choice at any Alabama Community College. Students receive training in soft skills that will improve employee retention, time management, problem solving skills, critical thinking and more. Topics students will cover during the semester include personal finance, improving communication skills and problem solving, and job preparation skills such as resume writing, completing job applications, and interviewing skills.

## TigerLaunch

TigerLaunch is a program created by a unique partnership Hartselle City Schools has developed with local industrial partners to provide students with paid internship/apprenticeship opportunities in areas specific to their career interest. Students receive class instruction on how to be a good employee. Successful completion of the TigerLaunch program will significantly enhance the participants 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 prior to the senior year. Two shifts of work are offered: 7am-11am; and 1pm-5pm. 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, and 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.

## 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 business up and running and work on bringing their product or service to market. There will be a tradeshow at the end of the year where students will have booths marketing their businesses.



## AGRICULTURE AND BUILDING CONSTRUCTION

<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
10-12	Building Construction 1	2	\$20
11-12	Building Construction 2	2	\$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 Agribusiness**

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

### **Applied Agricultural Mechanics**

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 1

Building Construction 1 is a two credit, two block class taught at the Hartselle Career Center available to students in grades 10-12. The course will introduce students to 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, sheet rock, windows, doors, cabinetry, blueprint reading, safety, use of hand tools, and construction math. The class can lead students to NCCER credential upon successful completion.

## Building Construction 2

### **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.



**BUSINESS/MARKETING/FINANCE**

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
9	Business Tech Applications	1	\$15
10	Advanced Business Tech Applications	1	\$15
11-12	Multimedia Design	1	\$15
9-12	Personal Finance	1	\$5
9-12	Law in Society	1	\$5
9-12	Marketing Principles	1	\$5
10-12	Sports Marketing	1	\$5
11-12	Cooperative Education	1	\$25
12	Banking and Financial Services	1	

**Business Technology Applications**

This course is designed to assist students in developing technological proficiencies in the areas of word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications. Students are also offered opportunities to identify ethical issues pertaining to information systems and to gather information about careers in technology. Communication and critical thinking skills are reinforced through the use of software applications. Simulations and projects promoting teamwork and leadership skills offer further opportunities for application of knowledge and skills.

**Advanced Business Tech****Prerequisite: Business Technology Applications**

This course provides students with project-based applications of skills learned in word processing, spreadsheet, database, presentation, and digital editing programs. Students will expand on knowledge learned in Business Technology Applications. A major emphasis is placed on guiding students through real-world experiences to ease the school-to-career transition. Communication and critical thinking skills are reinforced through the use of software applications. Simulations and projects promoting teamwork and leadership skills offer further opportunities for application of knowledge and skills.

**Multimedia Design****Prerequisite: Advanced Business Tech**

Multimedia Design is a one-credit course designed to provide students with hands-on skills involving graphic design, digital photography, Web publishing, and digital video production. Students use various hardware peripherals and software for completing documents. Areas of concentration include multimedia hardware and software, graphic design, web design, and career opportunities.

## **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.

## **Law and Society**

Law and Society is a one semester course designed to acquaint students with basic legal principles common to business and personal activities. This course is an overview of criminal, civil, contract, and consumer law. Topics include evaluating contracts, purchasing appropriate insurance, interpreting state and federal criminal law, and representing other businesses as an employee or contractor.

## **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 a 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 level. 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 students' 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 the career opportunities in the banking and financial services market.





## ENGINEERING

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
9	CSTEM Career Explorations	1	\$40
10	Engineering Design and Drawing	1	\$20
11	Principles of Engineering	1	\$20
12	Engineering Applications	1	\$20

### CSTEM Career Explorations

CSTEM stands for Computer Science, Technology, Engineering, and Manufacturing. This introductory course blends together key concepts from these areas to provide students a broad exposure to a variety of career and technology options. Students will explore programming and CS concepts using robotics applications, engineering design and drawing concepts for building systems, energy and fluid mechanics including introductions to pneumatics and hydraulic applications, and an overview of manufacturing requirements for safety and measurement. Students will complete an interest survey, and explore a variety of CSTEM career choices as a final project, including industry tours that showcase these skills and opportunities.

### Engineering Design and Drawing

**Prerequisites: Algebra 1 and Biology**

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

Engineering Design and Drawing is a dual enrollment course in which students can earn 6 hours of college credit from 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

**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 Robot C 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 science credit or a career tech credit.

## Engineering Applications

### **Co-requisite: Physics or Instructor Approval**

The aim of Engineering Applications is to provide a context for the application of science and mathematics via engineering design projects. During the first semester, students participate in the InSPIRESS project where they work in collaboration with UAH and NASA. Students develop and design a scientific payload to be integrated into a UAH-designed spacecraft. During second semester, students focus on Greenpower electric car construction and racing. Learning will also be supplemented with additional design projects that may include underwater robots, UAVs, CAD, and windmill blade design.



## INFORMATION TECHNOLOGY

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
9-12	CSTEM Career Explorations	1	\$40
9-12	Introduction to Computer Science	1	\$20
10-12	Introduction to Cyber Security	1	\$20
11-12	AP Computer Science Principles	1	\$20
11-12	AP Computer Science A (Access)	1	\$30

### CSTEM Career Explorations

CSTEM stands for Computer Science, Technology, Engineering, and Manufacturing. This introductory course blends together key concepts from these areas to provide students a broad exposure to a variety of career and technology options. Students will explore programming and CS concepts using robotics applications, engineering design and drawing concepts for building systems, energy and fluid mechanics including introductions to pneumatics and hydraulic applications, and an overview of manufacturing requirements for safety and measurement. Students will complete an interest survey, and explore a variety of CSTEM career choices as a final project, including industry tours that showcase these skills and opportunities.

### Introduction to Computer Science

Introduction to computer science is a full-year introductory computer science survey course. The course takes a wide lens on computer science by covering topics such as programming, physical computing, HTML/CSS, and data. Students are empowered to create authentic artifacts and engage with CS as a medium for creativity, communication, problem solving, and fun. Intro to CS is designed from the ground up to be an accessible and engaging course for all students, regardless of background or prior experience. By providing students opportunities to engage with culturally and personally relevant topics in a wide variety of CS related fields we hope to show all students that CS can be for them.

### AP Computer Science Principles

#### **Prerequisite: Adv Computer Science or approval of instructor**

AP CSP is designed to introduce students to the central ideas of computing and computer science (CS), to instill ideas and practices of computational thinking, and to have students engage in activities that show how computing and computer science change the world. The CSP course is rigorous and rich in computational content, includes computational and critical thinking skills, and engages students in the creative aspects of CS. Course materials are based on UC Berkeley's freshman CS course called the Beauty and Joy of Computing, and aims to appeal to a very broad and diverse audience. The last unit of study will include a brief introduction to Java programming to help prepare students interested in taking the AP CS A course during their senior year. AP CSP is considered a "math" course credit in Alabama. Students receive an additional 1.0 quality points for this advanced level class. The credit earned in this class can be applied as math credit or a career tech credit.

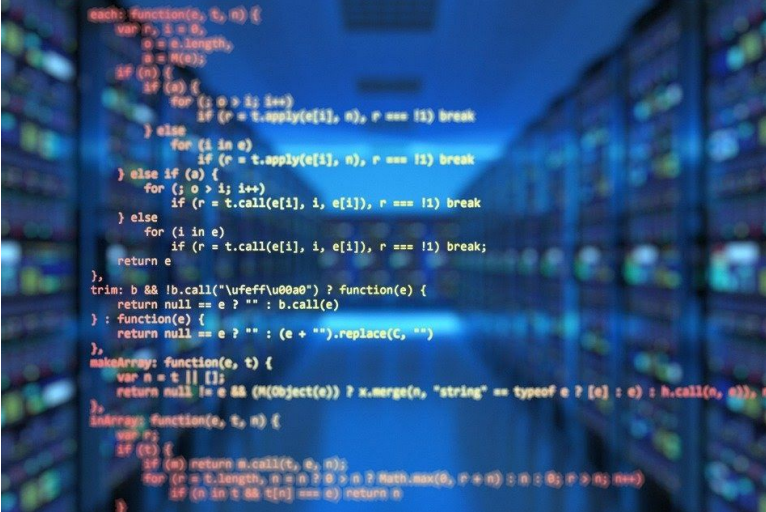
## AP Computer Science A - Virtual School

### **Prerequisites:** AP CSP or Advanced Computer Science, and guidance 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.

## Introduction to Cyber Security

**Prerequisites:** Intro to Computer Science or Advanced Computer Science This is a one year introductory level course in cyber security and digital forensics. It introduces the technologies used in the field, such as: hardware, basic computer networking, and cyber security tools.



```
each: function(e, t, n) {
  var r, i = 0;
  a = a.length;
  n = n(e);
  if (n) {
    if (a) {
      for (; a > i; i++)
        if (r = t.apply(e[i], n), r === !1) break
    } else
      for (i in a)
        if (r = t.apply(e[i], n), r === !1) break
    } else if (a) {
      for (; a > i; i++)
        if (r = t.call(e[i], i, e[i]), r === !1) break
    } else
      for (i in e)
        if (r = t.call(e[i], i, e[i]), r === !1) break;
    return e
  },
  trim: b && !b.call("\u0000") ? function(e) {
    return null == e ? "" : b.call(e)
  } : function(e) {
    return null == e ? "" : (e + "").replace(C, "")
  },
  makeArray: function(e, t) {
    var n = t || [];
    return null != e && (N(Object(e)) ? x.merge(n, "string" == typeof e ? [n] : e) : h.call(n, e)), n
  },
  isArray: function(e, t, n) {
    var r;
    if (!t)
      if (!n) return a.call(t, e, n);
      for (r = t.length, n = n ? 0 > e ? Math.max(0, r + n) : 0 : 0; r > n; n++)
        if (!n in t && t[n] === e) return a
  }
}
```

## 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>
9-10	Orientation to Medicine	1	\$20
10-11	Foundations of Medicine	1	\$20
11	Therapeutic Services in Medicine	1	\$20
11 or 12	Human Body Structures	1	\$20
11 or 12	Introduction to Pharmacy	1	\$20
11 or 12	Sports Medicine Fundamentals	1	\$20
12	Medical Internship	2	\$40
9-12	Medical Academy Lab	1	

### Orientation to Medicine

Orientation to Medicine is a course designed to assist 9th and 10th grade students in making informed decisions regarding their college and career goals. 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 with the equipment, materials, and technology appropriate to the course content and in accordance with current practices. There is no prerequisite for Orientation to Medicine.

### Foundations of Medicine

Students in the 10th or 11th grade will become competent in the areas of bloodborne pathogens, infection control, standard precautions, pre and post procedure care guidelines, patient confidentiality, professionalism and AHA Healthcare Provider CPR. This class fulfills the ½ health credit needed for graduation. There is no prerequisite for Foundations of Medicine.

### Therapeutic Services in Medicine

**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 required successful progression to the medical internship class.

## Medical Internship - 2 Class Periods

**Prerequisite:** Successful completion of Foundations of Medicine and Therapeutic Services in Medicine.

There is also an application process for this course.

In Medical Internship students will spend 2/3 days a week in clinicals and 2/3 days a week in class/lab. The students will job shadow with various healthcare professionals including Decatur Morgan Hospital, Main and Parkway Campus, and several outlying sites. Some of the areas include medical/surgical areas, intensive care, labor and delivery, emergency department, Pre-Op, Surgery, physical therapy, imaging, pharmacy and lab. Transportation to the clinical sites is provided by the student.

## Human Body Structures and Functions

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

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. 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 science credit or a career tech credit.

## Introduction to Pharmacy

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

A one credit course that introduces students to the pharmacy profession. Certified Pharmacy Technician national certification will be incorporated into the curriculum. Students will be required to purchase study materials for national certification preparation

## Sports Medicine Fundamentals

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

A one credit course that will provide an overview of sports medicine as well as exposes students to related fundamental skills.

## Medical Academy Lab

A one credit course designed for the enrichment of learning opportunities related to healthcare science content knowledge and skills.



## EDUCATION AND TRAINING

<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

### 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 1 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.

TEACHING



## 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

### **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. 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 for exploration into various military careers. Students accepted in the CAP Let I class will be expected to actively participate in the Civil Air Patrol Wing of HHS.

### **CAP Leadership & Training (ALF II)**

#### **Prerequisite: CAP 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. 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 for exploration into various military careers. Students accepted in the CAP Let II class will be expected to actively participate in the Civil Air Patrol Wing of HHS.

### **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. 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 for exploration into various military careers. Students accepted in the CAP Let II class will be expected to actively participate in the Civil Air Patrol Wing of HHS.



## MANUFACTURING

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
9	CSTEM Career Explorations	1	\$40
10-12	Advanced Manufacturing I	1	\$20
11-12	Advanced Manufacturing II	1	\$20

### **CSTEM Career Explorations**

CSTEM stands for Computer Science, Technology, Engineering, and Manufacturing. This introductory course blends together key concepts from these areas to provide students a broad exposure to a variety of career and technology options. Students will explore programming and CS concepts using robotics applications, engineering design and drawing concepts for building systems, energy and fluid mechanics including introductions to pneumatics and hydraulic applications, and an overview of manufacturing requirements for safety and measurement. Students will complete an interest survey, and explore a variety of CSTEM career choices as a final project, including industry tours that showcase these skills and opportunities.

### **Advanced Manufacturing I**

Advanced Manufacturing is an extension of the Introduction to Manufacturing course. This course allows students to earn 6 hours of dual enrollment credit (currently at no cost to students) from Calhoun Community College in ADM 111 and ADM 101. Students learn safety and precision measurement techniques required in manufacturing. Students will complete an application process prior to enrollment in this course. Students must provide their own transportation to the Hartselle Career Center.

### **Advanced Manufacturing II**

Advanced Manufacturing is an extension of the Introduction to Manufacturing course. This course allows students to earn 6 hours of dual enrollment credit (currently at no cost to students) from Calhoun Community College in ADM 105 and ADM 106. Students learn about fluid systems and quality control processes required in manufacturing. Students will complete an application process prior to enrollment in this course. Students must provide their own transportation to the Hartselle Career Center and a \$20 course fee applies.



**PUBLIC SAFETY AND LAW**

<u>Grade</u>	<u>Course Name</u>	<u>Credit</u>	<u>Fee</u>
9-12	Introduction to Law	1	
10-12	Introduction to Criminal Justice	1	
10-12	Police Patrol	1	
11-12	Forensics	1	

**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 law, the legal system, the role of law enforcement, and how it impacts their life.

**Introduction to Criminal Justice**

Intro to Criminal Justice is a two block course taught off campus at the Hartselle Career Center. It is open to 10th, 11th, and 12th grade students who have their own 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**

**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.

**Forensics**

**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, 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?** Information NOW Parent Portal (Chalkable) 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 a 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 additional 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 two credits of math (Algebra I and Geometry), one credit of a World Language, and one half credit of Career Prep A to the 9th grade (high school) transcript.\*\*On September 30, 2013, the State Department of Education approved Geometry as a course eighth grade course students could take for high school credit.

**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 the 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 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 participation in the Credit Recovery, 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**

<b>COURSE NAME</b>	<b>FEE</b>	<b>COURSE NAME</b>	<b>FEE</b>
English 9	NO FEE	Advanced Biology	\$15
Advanced English 9	\$15	AP Biology	\$20
English 10	NO FEE	Advanced Human Anatomy	\$15
Advanced English 10	\$15	Environmental Science	NO FEE
English 11	NO FEE	AP Environmental Science	\$20
AP Language (11th Grade)	\$20	Physical Science	NO FEE
English 12	NO FEE	AP Physics I	\$20
AP Literature (12th Grade)	\$20	Chemistry I	\$15
Speech I	\$20	Advanced Chemistry	\$15
Algebra I	NO FEE	AP Chemistry	\$20
Algebra IB	NO FEE	Advanced Physics I	\$15
Geometry with Data Analysis	NO FEE	EarthSpace	NO FEE
Advanced Geometry	\$20	World History	NO FEE
Algebraic Connections	NO FEE	AP World History	\$20
Algebra II	NO FEE	US History 10	NO FEE
Algebra II/Stats	NO FEE	Advanced US History 10	\$15
Advanced Algebra II/Stats	\$20	US History 11	NO FEE
Pre-Cal	NO FEE	AP US History	\$20
Advanced Pre-Cal	\$20	Government	NO FEE
AP Calculus	\$20	AP Government	\$10
AP Stats	\$20	Economics	NO FEE
Algebra with Finance	NO FEE	AP Economics	\$10
Biology	\$15	Psychology	NO FEE

<b>COURSE NAME</b>	<b>FEE</b>	<b>COURSE NAME</b>	<b>FEE</b>
AP Psychology	\$20	Visual Arts II	\$20
PE Life Boys	\$10	Visual Arts III	\$25
PE Life Girls	\$10	Visual Arts IV	\$25
Team Sports Boys	\$10	Art Studio	\$25
Baseball Wts	NO FEE	AP Art	\$30
Football Wts	NO FEE	Driver's Ed	\$20
Personal Fitness	NO FEE	Personal Finance	\$5
Walking	NO FEE	Tiger Launch	NO FEE
Baseball	NO FEE	Coop/WBE1 (1 Hour)	\$25
Football	NO FEE	Coop/WBE2 (2 Hour)	\$25
Girls Golf	NO FEE	Multimedia Design	\$15
Boys Golf	NO FEE	Forensic Science	\$15
Girls Soccer	NO FEE	Building Construction 1	\$20
Tennis	NO FEE	Building Construction 2	\$20
Volleyball	NO FEE	Fundamentals Agriscience	\$20
Wrestling	NO FEE	Intermediate Agriscience	\$20
Health	NO FEE	Advanced Agriscience	\$20
Spanish 1	\$10	Applied Agriscience	\$20
Spanish 2	\$10	Business Tech	\$15
Spanish 3	\$10	Law in Society	\$5
Spanish 4	\$10	Adv Business Tech	\$15
AP Music Theory	\$20	Education & Training	\$20
Marching Band	\$20	Teaching I	\$20
Concert Band	NO FEE	Teaching II	\$20
Instrumental Tech	\$20	Education & Training Internship	\$20
Concert Chorus	\$20	Banking Financial Services	NO FEE
Vocal Tech	NO FEE	Foundations of Medicine	\$40
Ensemble	\$20	Medical Internship	\$60
Chamber Choir	\$20	Human Body Structures	\$20
Performers	\$20	Intro to Pharmacy	\$20
Theatre,ArtLit	NO FEE	Therapeutic Services	\$20
Theatre,Perf	\$15	Orientation to Health Science	\$20
Visual Arts I	\$20	Sports Medicine Fundamentals	\$20

<b>COURSE NAME</b>	<b>FEE</b>	<b>COURSE NAME</b>	<b>FEE</b>
Medical Academy Lab	NO FEE	Softball	NO FEE
Infant & Toddler Development	\$25	Cheerleading	NO FEE
Intro to Computer Science	\$25	Color Guard	\$20
AP Computer Science Principles	\$25	Senior Career Project	NO FEE
Videography	\$10	ATCT	NO FEE
Cybersecurity	\$25	AP Chemistry Lab	NO FEE
Introduction to Law	NO FEE	CAP ALF I	\$20
Advanced Production Technologies I	\$20	CAP ALF II	\$20
Advanced Production Technologies II	\$20	CAP ALF III	\$20
Marketing Principles	\$5	CRJ 100	NO FEE
Sports Marketing	\$5	HIS 202	\$20
Engineering Applications	\$50	Orientation to College	NO FEE
CSTEM Career Explorations	\$40	Welding	NO FEE
Principles of Engineering	\$50	Hospitality and Tourism	\$20
Engineering Design	\$50	Interior Design 1	\$20
AP Study	NO FEE	Event Planning	\$20
Virtual Lab	\$30	Debate	\$20
Access Lab	\$30		
Dual Enroll	NO FEE		
Office Aide	NO FEE		
Homebound	NO FEE		
ACT Prep	\$30		
Annual Staff	NO FEE		
Journalism	NO FEE		
Ready to Work	NO FEE		
PeerHlp6-12C	NO FEE		
Basketball	NO FEE		
Soccer	NO FEE		
CrossCountry	NO FEE		
Track	NO FEE		
BasketballG	NO FEE		