# Hartselle High School

## Academic Guide

# Hartselle High School Mission

The mission of Hartselle High School is to provide all students with a wide range of opportunities for learning and achievement in a safe environment while encouraging them to develop strong self-discipline, necessary skills for lifelong learning in a changing world, and respect for their global community.

# 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

**1000 Bethel Road**
**Hartselle, AL 35640**
**Administration (256) 751-5615**
**Administration Fax (256) 751-5638**
**Guidance (256) 751-5616**
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**Principal ……..…….…..……Brad Cooper**

**Assistant Principal ……..……....Pat Smith**

**Assistant Principal ……...……..…. Dr. Jerome Ward**

**Guidance Counselor …….……..……..Dana Gladden**

**Guidance Counselor ……..……...Jordan LyBrand**

**Guidance Counselor ……..Cory Wilbanks**

**Athletic Director ……...……..Pat Smith**

**Guidance Secretary …….……..…Robin McCutcheon**

**Secretary …….…….....Fred Wallace**

**Attendance ……..……...….Myra Garrett**

**Attendance/ISI ……...…….……Diane Griffith**

**Bookkeeping ……....April Davenport**

**Nurse …….Annie Burwell**

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# General Information

In choosing your courses each year, it is important to keep several factors in mind.

- Look carefully at the prerequisites for courses you are interested in taking.
- Make sure the courses you select follow your diploma track and your career interests.
- Students who plan to apply to colleges and universities should have at least some honors/advanced/AP courses during high school.
- Students need to research college and career opportunities and requirements for entrance early in their high school years.
- Take as many courses and learn as much as you can while in high school to better prepare yourself for college/career challenges. You are competing in a global market and we want you to have the very best preparation.

**Keys to Success (college and careers Research Initiative)**

**Work Ethic**

- willingness to work hard
- ability to set and meet goals
- organizational skills
- self-discipline
- ability to maintain focus and complete a task

**Written and oral communication skills**

- ability to communicate with a variety of people at different work levels or of different cultures.
- ability to speak clearly and persuasively

**People Skills**

- ability to get along with others
- ability to work as a member of a team
- ability to show empathy and compassion for others

**Thinking Skills**

- logic, conceptualization, problem solving, “common sense”, etc.

**Character**

- integrity, honesty, ethics, trust

**Ability to use technology**

# Counseling Services

Hartselle High School has three counselors who divide their duties to better students on issues affecting their academic performance and on issues of personal and social development. The counselors are available to parents for consultation and parents are encouraged to contact any counselor with questions regarding counseling services. The counseling office is open to students and parents all twelve months of the year.

## Grading Scale

| | Standard | Honors/Pre-AP | AP |
|---|---|---|---|
| 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 | | | |

Students transferring into Hartselle High School will not have weighted credit added to courses unless credit was weighted by the previous school.

## Guidelines for 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.

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.

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.

## Registration/Schedule Pickup

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 following timeline is in place to insure students have an appropriate completed schedule when classes begin in August:

- Our updated online Academic Guide is available in early January
- Curriculum Night for parents and students as well as class meetings for students concerning courses and course selection is held in early February
- Course selection cards are distributed and students/parents have at least two weeks to complete and have all questions addressed.
- Rising freshmen, sophomores, juniors, and seniors receive a copy of their course selections that will be scheduled for them in May (this at times includes alternate selections if classes are filled or not enough interest to make). A window for making any final changes will be open during May.
- The final master schedule is built around student selections and teachers are hired and assigned on this basis. NO CHANGES will be made after May to core class selections. A window of 10 days for elective changes will be allowed in August and again in December. After that, any change made will be due to teacher and administrator request because of misplacement. Dropping an elective after the drop/add window will be reflected on the student transcript and the grade earned reflected in the GPA (this includes athletics and virtual courses).
- Students changing schedules for electives during the first ten days of school will be charged a change fee of $10. Be aware that we may not be able to honor requests due to classes that 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.
- There is always the possibility that a class will be limited to the higher grades due to heavy enrollment or that a class will not be scheduled due to an insufficient number of students electing that subject. In those instances, counselors will choose from a list of alternate courses that each student identified on their returned registration card.

## Promotion/Grade Classification

In order to be promoted to the 10$^{th}$ grade at Hartselle High School, a student must successfully earn 5 credits. Promotion to the 11$^{th}$ grade requires 11 earned credits and promotion to the 12$^{th}$ grade requires earning 17 credits. A minimum of 24 credits is required for graduation. All advisory assignments are made alphabetically and according to grade placement.

## Honor Graduates

For graduates of 2012 and beyond, 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 courses taken during the 8th grade year through the second term of the senior year.

## Extra-Curricular Eligibility

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

The student must have earned a minimum of 6 credits including the core courses (Math, Science, English, Social studies) during the preceding school year and must have an overall grade point average of C (70) or above in the 6 classes.

The student must reside in the Hartselle City School district. If the student is living out of district, he/she must have attended a Hartselle school the preceding year.

## NCAA Initial Eligibility

All prospective student athletes intending to enroll in an NCAA Division I or Division II institution must register with the NCAA Clearinghouse at the end of their junior year. Please visit www.ncaaclearinghouse.net for detailed information and instructions. A list of all courses approved by the NCAA as core courses is available in the counseling office. It is the responsibility of the student and parents to make sure courses they elect to take meet all NCAA requirements.

## 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 honors weighted credit (.5) because of course rigor.

## Computer Based 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.

# Advanced Placement Courses and Exams

Hartselle High School offers a wide range of Advanced Placement courses and administers Advanced Placement exams in May of each year. Because of their academic rigor, AP and Pre-AP courses are assigned a weighted grade (1.0 for AP courses, 10 points, .5 for Pre-AP courses or 5 points). Pre-AP courses are designations used by Hartselle City Schools and are not authorized by the College Board. Acceptable scores may enable students to earn college credit by demonstrating competence in freshman college-level course work. Advanced Placement exams are offered in the following areas: Biology, Chemistry, Environmental Science, English Language, English Literature, Calculus, Statistics, American History, American Government, World History, Music Theory and Computer Science. In addition, Hartselle also offers AP courses online through ACCESS in art history and Psychology.

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. Hartselle students are required to take AP exams. 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.

- ★ 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

- ★ 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 5th 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.

# Hartselle Virtual School, Career Academies, and Dual Enrollment

## 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. Highly self-directed and motivated students may take courses for credit via internet connection 24/7/365. All exams must be taken on campus, but all other work can potentially be done outside of school and normal school hours. Students may choose to take a virtual class as a traditional student meeting daily during one of our eight periods; or in a non-traditional manner by taking the course (s) entirely from home if the student meets qualifications. There is a fee of $30.00 per virtual course taken during the school year or $50.00 if during the summer.

This is another effort to personalize the learning experience for each student to make them 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.

## Career Academies

Hartselle HS offers a series of classes that students may opt to take in ten career clusters. Our ten academy pathways are:

| | |
|---|---|
| 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 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. The courses offered will help students make connections to college studies and careers. It is our hope to provide challenging, project-based, applied training exposing students to as much as possible in a potential career field. Students completing four courses in a career academy pathway can potentially receive industry certifications (if available) and will also be recognized with special insignias at graduation.

## Dual Enrollment

Dual credit courses are college courses taken in conjunction with the University of Alabama Early College, Calhoun Community College or Wallace Community College. These courses count simultaneously for high school and college credit. Students must have prior permission from the principal to enroll for dual credit and must meet requirements specified by the college. Tuition and course fees are the responsibility of the student or his/her parents or guardians. Dual Enrollment courses carry a grade weight of + 1.0 if also offered as advanced placement on the HHS campus.

# Dual Enrollment Classes at Hartselle High School

| Hartselle High School Class | Calhoun Dual Enrollment Class |
|---|---|
| **ENGLISH** | **ENGLISH** |
| AP Language and Composition | ENG 101 and ENG 102 |
| AP Literature and Composition | ENG 261 and ENG 262 |
| **HISTORY** | **HISTORY** |
| AP World History | HIS 121 and HIS 122 |
| Advanced US History 10 | HIS 201 |
| AP US History 11 | HIS 202 |
| **SCIENCE** | **SCIENCE** |
| Advanced Human Anatomy | BIO 201 and BIO 202 |
| AP Biology | BIO 103 and BIO 104 |
| **MATH** | **MATH** |
| Advanced Pre Calculus | MTH 112 |
| AP Calculus | MTH 125 |
| AP Statistics | MTH 265 |
| **ELECTIVE** | **ELECTIVE** |
| AP Psychology | PSY 200 |
| **CAREER TECHNICAL** | **CAREER TECHNICAL** |
| 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 |
| Precision Machining | MTT 147 and MTT 148 |
| Intro to Criminal Justice | |

# Secondary Testing

## PSAT - 11th (optional for 9th and 10th)
## ACT with WRITING – 11TH
## WorkKeys – 12th

**PSAT**

The Preliminary SAT/National Merit Scholarship Qualifying Test is developed by The College Board and measures the academic skills your student has developed. These skills include: critical reading skills, math problem-solving skills, and writing skills. The PSAT is the best preparation for the SAT, which is one of two college admission exams (ACT 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.

**ACT**

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.
All students enrolled in Grade 11 will take the ACT with Writing at HHS. 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 or 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:

- Make a qualifying score on an AP exam
    - (3 or higher)
- Make a benchmark score in at least one area of the ACT with Writing exam
    - (English- 18; Math- 22; Reading- 22; Science- 23)
- Receive transcripted college or post-secondary credit (dual Enrollment, early admission)
- Enlist in the military
- Make a benchmark score on the WorkKeys Exam (silver level or higher)
- Receive a CTE Career Readiness Indicator Credential

# Policy on Academic Honesty

The purpose of this policy is to make students aware of situations which allow some students unfair advantage over other students and to clarify the procedures to be followed when violations of the policy occur.

**AREAS OF ACADEMIC CONCERN**

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 for the first offense will be determined by the teacher (re-do the assignment, take a different make-up test/assignment, etc.). Should any further violation occur, the student will receive no credit for the assignment. Further consequences (detention or ISI) will be added by the principal. All exam exemptions are forfeited for that semester.

# Alabama High School Diploma

| Areas of Study | Requirements | Credits |
|---|---|---|
| English Language Arts | English 9, 10, 11, 12 or any Advanced or AP course | 4 |
| Mathematics | Alg. 1, Geometry, and Alg. 2 with trig. or Alg. 2 or its equivalent. Plus one additional math course | 4 |
| Science | Biology, a physical science, plus two additional science courses | 4 |
| Social Studies | World History, US History x 2, and Government/Economics or Advanced/AP equivalent | 4 |
| Physical Education | LIFE PE | 1 |
| Health Education | Health | ½ |
| Career/Computer/Finance | Career Preparedness | 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 ½ minimum |
| Total Credits | | 24 |

# Alabama High School Diploma with Honors

| Areas of Study | Requirements | Credits |
|---|---|---|
| English Language Arts | Advanced, AP, or equivalent all four years | 4 |
| Mathematics | Adv Geometry, Adv Alg. 2, Adv Pre-Cal, one additional AP math, or equivalent | 4 |
| Science | Advanced, AP, or equivalent all four years | 4 |
| Social Studies | Advanced, AP, or equivalent all four years | 4 |
| Physical Education | LIFE PE | 1 |
| Health Education | Health | ½ |
| Career Preparedness | Career Preparedness or equivalent | 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**<br>**4 Credits** | **Math**<br>**4 Credits**<br>****Must include equivalents of Alg. 1, Geometry, and Alg. II** | **Science**<br>**4 Credits**<br>****Must include Biology and a Physical Science** | **Social Studies**<br>**4 Credits** |
|---|---|---|---|
| **STANDARD**<br>_____ English 9<br>_____ English 10<br>_____ English 11<br>_____ English 12<br>Other: _____ | **STANDARD**<br>_____ Algebra IA<br>_____ Algebra IB<br>_____ Algebra I<br>_____ Geometry or Tech Geom.<br>_____ Algebraic Connections<br>_____ Algebra II with Trig<br>_____ AP Comp. Sci. Princip.<br>_____ Algebra II<br>_____ Algebra with Finance<br>Other: _____ | **STANDARD**<br>_____ Biology<br>_____ Physical Science<br>_____ Forensic Science<br>_____ Chemistry<br>_____ Earth and Space<br>_____ Environmental Sci<br>Other: _____ | **STANDARD**<br>_____ World History<br>_____ US History 10<br>_____ US History 11<br>_____ Economics (½ credit)<br>_____ Government (½ credit)<br>Other: _____ |
| **HONORS**<br>_____ Adv English 9<br>_____ Adv English 10<br>_____ AP English 11<br>_____ AP English 12<br>_____ OR Equivalent<br>Other:_____ | **HONORS**<br>_____ Adv Geometry<br>_____ Adv Alg. II with Trig<br>_____ Adv PreCalculus<br>_____ AP Calculus AB<br>_____ AP Calculus BC<br>_____ AP Comp. Sci. Princip.<br>_____ AP Statistics<br>_____ OR Equivalent<br>Other: _____ | **HONORS**<br>_____ Adv Biology<br>_____ Adv Chemistry<br>_____ Adv Human Anatomy<br>_____ Human Body Structures<br>_____ Adv Physics<br>_____ Princip. of Engineering<br>_____ AP Biology<br>_____ AP Chemistry<br>_____ AP Environmental Sci<br>_____ AP Physics 1<br>_____ OR Equivalent<br>Other: _____ | **HONORS**<br>_____ Adv World History<br>_____ AP World History<br>_____ Adv US History 10<br>_____ AP US History 11<br>_____ AP Economics (½ credit)<br>_____ AP Government (½ credit)<br>_____ OR Equivalent<br>Other: _____ |

**ELECTIVE REQUIREMENTS**

**REQUIRED ELECTIVES**

_____ 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. _____

***Two Foreign Language courses in sequence and 26 total credits are required for the honors diploma.**

**ELECTIVES**

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

# Clubs and Organizations

**Would you like to be a member of a club or organization?**

| Club | Teacher Contact |
|---|---|
| Ambassadors | Cory Wilbanks |
| Art Club | Kathy Slayton |
| 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) | Elisa Harris/Colonel Williams |
| Color Guard | Susan Martin |
| Cross Country (Boys and Girls) | Nick Collier |
| Dance Team | Tisha Bates |
| DECA (Distributive Education Club of America Marketing) | Margaret Ann Pirtle |
| Environmental | Lavonda Napier |
| 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) | Bob Godsey |
| 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 |
| Interact Club | Erica Griffin and Nanette Edde |
| Key Club | Anna Hall |
| Majorette | Randall Key |
| Mu Alpha Theta | Donna Legg-Battles |
| National Art Honor Society | Kathy Slayton |
| National Honor Society | Daniel Cooper |
| National Technical Honor Society | Jeff Hyche |
| SADD (Students Against Destructive Decisions) | Officer Eubanks |
| Scholars Bowl | Dr. Jerome Ward |
| Senior Girls | Nikki Peebles |
| SGA (Student Government Association) | Dana Gladden |
| Soccer (Girls) | Jeff Hanners |
| Soccer (Boys) | Reagan Rhone |
| Softball (JV & Varsity) | Christy Ferguson |
| Spanish Club | Dennis Willingham |
| Tennis (Boys & Girls) | Regina Hudson |
| 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 member requirements: 11th & 12th graders, 3.75 GPA minimum, completed 2 advanced classes in each core area by graduation, completed 2 foreign languages by graduation, completed 15 hours of community service during each school year you are a member, and $40.00 dues for a 2 year membership

# National Technical Honor Society

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 are: Completion of 2 Career Tech classes in the same academy, member of academy CTSO (student organization), overall GPA 3.0, Career Tech GPA 3.75, and no discipline infractions

# Mu Alpha Theta

Guidelines for Mu Alpha Theta Membership

Updated 10/2018

The requirement for overall “B” scholastic average, drug test, returning application by the deadline, and attending the induction ceremony will continue to be part of the requirement for Mu Alpha Theta membership. Also, 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.

# HHS Drop/Add Policy 2019-2020

| | |
|---|---|
| May 24, 2019 | Last day to drop/change a core class. |
| August 23, 2019 | Last day to drop an elective class, including virtual class, without penalty. These dropped courses will not reflect on the transcript or the student's' GPA. |
| After August 23, 2019 | After August 23, 2019 courses that are dropped, including athletics and virtual classes, will be reflected on the transcript and in the GPA for the Fall semester. |
| December 2, 2019 - December 13, 2019 | For 2nd semester, students may make changes during December, with teacher/parent permission, students may adjust core class placements. 2nd semester electives including athletics and virtual classes may be dropped or changed without penalty. |
| After December 13, 2019 | After December 13, 2019 courses that are dropped, including athletics and virtual classes, will be reflected on the transcript and in the 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 can be changed pending availability, parental agreement, and administrative approval to a more appropriate class. Assessment data will be the determining factor in the appropriate placement (not necessarily student effort or current grades). |

# COURSE DESCRIPTIONS

## English

| **English 9** |
| --- |
| English 9 covers basic skills in composition and usage. Several literary genres will be introduced such as drama, short stories, the novel, poetry, nonfiction, and essays. Writing skills will be reinforced through paragraph writing. |

| **Advanced English 9** |
| --- |
| **Prerequisite: Instructor approval**<br>In addition to the regular course of study in English 9, this class emphasizes critical thinking skills, literary analysis, formal essay writing, and group discussions. Traditional and contemporary literary works are evaluated. This course moves at a rapid pace and is designed for the self-motivated, independent learner. Students enrolled in Pre-AP courses will receive an additional 0.5 quality point per course. Summer reading is required. |

| **English 10** |
| --- |
| **Prerequisite: English 9**<br>English 10 is a survey of early American literature to 1900. The class also includes essay writing, research, grammar, and vocabulary. |

| **Advanced English 10** |
| --- |
| **Prerequisite: Advanced English 9 or instructor approval**<br>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 Pre-AP 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. Students enrolled in Pre-AP courses will receive an additional 0.5 quality point per course. Summer reading is required. |

| **English 11** |
| --- |
| **Prerequisite: English 10**<br>English 11 introduces selections in American literature from 1900 to the present with an additional emphasis on grammar, composition, and vocabulary. Teachers stress literary and composition analysis to encourage critical thinking skills. |

**AP English Language & Composition, 11**

**<u>Prerequisite</u>: Advanced English 10 or instructor approval**
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." Students enrolled in AP courses will receive an additional 1.0 quality point per course. The AP Exam 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**

**<u>Prerequisite</u>: 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 world literature. 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.

**AP English Literature & Composition, 12**

**<u>Prerequisite</u>: AP English Language & Composition, or instructor approval**
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. Students enrolled in AP courses will receive an additional 1.0 quality point per course. The AP Exam for this course is required and will be administered in May. A $20 fee is required in all AP courses. Summer reading is required.

# Social Studies

**World History since 1500, 9th grade**

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.

**Advanced World History since 1500, 9th grade**

**Prerequisite: Instructor approval**
This course explores the same topics as World History but has a higher emphasis on critical thinking and examination of historical texts. Students enrolled in Pre-AP courses will receive an additional 0.5 quality point per course.

**AP World History**

**Prerequisite: Seniors after AP US History or Freshmen with instructor approval or letters of recommendation from Advanced English and Advanced Social Studies teachers. Freshmen taking this course should be exceptionally high performing and motivated**.
AP World History is for the exceptionally studious high school student who desires to earn college credit through a rigorous academic program. This class looks at global patterns of continuity and change for the following threads of human history – trade, religion, politics, society, and technology – from 8000 BCE to the present. This course fulfills the 9th grade requirement for World History and is otherwise an elective. Students who enroll in AP courses will receive an additional 1.0 quality point per course. The AP exam for this course is required and will be administered in May. A $20 fee is required in all AP courses. Upperclassman may take the course as an elective.

**U.S. History to 1877, 10th grade**

**Prerequisite: World History since 1500**
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 to 1877, 10th grade**

**Prerequisite: Advanced World History since 1500 or instructor approval**
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 Pre-AP/Honors U.S. History to 1877 are those who anticipate enrolling in AP U.S. History since 1877 as a junior. Students enrolled in Pre-AP courses will receive an additional 0.5 quality point per course.

**U.S. History since 1877, 11th grade**

**Prerequisite: U.S. History to 1877, 10th grade**
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 since 1877, 11th grade**

**Prerequisite: Advanced U.S. History to 1877 or instructor approval**
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. Students enrolled in AP courses will receive an additional 1.0 quality point per course. A $20 fee is required in all AP courses.

**American Government, 12th grade (1 semester)**

**Prerequisite: U.S. History since 1877, 11th grade**
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 U.S. Government and Politics, 12th grade (1 semester)**

**Prerequisite: AP U.S. History since 1877, 11th grade or instructor approval**
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. Students enrolled in AP courses will receive an additional 1.0 quality point per course. A $20 fee is required in all AP courses.

**Economics, 12th grade (1 semester)**

**Prerequisite: U.S. History since 1877,11th grade**
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.

# Science

**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**
This course covers the same topics as Biology but has a higher emphasis on critical thinking and examination of living organisms. Students enrolled in Pre-AP courses will receive an additional 0.5 quality point per course. A $15 fee is required for this class.

**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, periodic table, solutions, and the interactions between matter and energy. Students write equations, solve mathematical problems related to chemistry, and perform laboratory experiments. This course fulfills the physical science requirement for graduation with an Honors Diploma. It is an advanced class and success in Algebra I (Grade of C or better) is strongly recommended. A $15 fee is required for this class.

**Advanced Chemistry I**

**Prerequisite: Advanced Biology, Algebra I, Advanced Geometry and instructor approval**
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. Students enrolled in Pre-AP courses will receive an additional 0.5 quality point per course. A $15 fee is required for this class. A grade of B or better in algebra and geometry is strongly recommended.

**Forensics**

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. Chemistry is recommended before taking this course. A $15 fee is required for this class.

**Advanced Human Anatomy and Physiology**

**Prerequisite: Biology & Chemistry**
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. Students enrolled in Pre-AP courses will receive an additional 0.5 quality point per course. A $15 fee is required for 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 development of the scientific background facts and concepts necessary for analyzing these issues and problems. This science course will NOT count toward Honors Diploma.

**AP Environmental Science**

**Prerequisite: Biology, Chemistry I, or by instructor approval**
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. Students enrolled in AP courses will receive an additional 1.0 quality point per course. The AP Exam for this course is required and will be administered in May. A $20 fee is required in all AP courses.

**Advanced Physics**

**Prerequisite: Precalculus, enrolled in Precalculus concurrently, and instructor approval**
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. This course fulfills the requirement for the Honors Diploma. Students enrolled in Pre-AP courses will receive an additional 0.5 quality point per course. A $15 fee is required for this class.

**AP Physics 1**

**Prerequisite: Precalculus, Advanced Physics or AP Chemistry**
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. A $20 fee is required in all AP courses.

**AP Biology**

**Prerequisite: Biology and Chemistry I, and instructor approval**
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. Students enrolled in AP courses will receive an additional 1.0 quality point per course. The AP Exam for this course is required and will be administered in May. A $20 fee is required in all AP courses.

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

**Prerequisite:Advanced Chemistry I or Chemistry I, Algebra 2/Trig, and/or instructor approval**
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. Students enrolled in AP courses will receive an additional 1.0 quality point per course. The AP Exam for this course is required and will be administered in May. A $20 fee is required in all AP courses.

# Mathematics

**Algebra I**

**Prerequisite: Pre-algebra and instructor approval**
Algebra I is the cornerstone of high school mathematics. Every math course beyond Algebra I requires the knowledge of the content standards found in the course. Emphasis is on solving and graphing linear equations, systems of equations, quadratic and rational equations, simplifying and evaluating radicals, rules of exponents, and operations with polynomials and factoring.

**Algebra IA**

**Prerequisite: Pre-algebra and instructor approval**
Algebra IA is designed to allow the students to move at a slower pace and cover the Algebra I concepts over a two-year period. Every math course beyond Algebra I requires the knowledge of these content standards. Therefore, it is of utmost importance that each standard be mastered, and working at a slower pace is beneficial to some students. This course would represent the first half or semester of material completed in Algebra I. When a student chooses Algebra IA, they must take Algebra IB after successful completion of Algebra IA to meet the total state requirement for Algebra I.

**Algebra IB**

**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**

**Prerequisite**: **Completion of Algebra I and instructor approval**
Geometry builds on Algebra I concepts and increases students' knowledge of shapes and their properties. This knowledge helps develop visual and spatial sense and strong reasoning skills. The Geometry course 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.

**Technical Geometry**

**Prerequisite**: **Completion of Algebra I (Algebra IA/IB) and instructor approval**
Geometry builds on Algebra I concepts and increases student's knowledge of shapes and their properties. This knowledge helps develop visual and spatial sense and strong reasoning skills. This course requires students to make conjectures and to use reasoning to validate or negate these conjectures. Proofs are a small part of the course, as opposed to a more traditional geometry course. The topics in Technical Geometry are not covered as in depth as traditional geometry. 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.

**Advanced Geometry**

**Prerequisite**: **Algebra I and instructor approval**
Pre-AP/Honors 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. Students enrolled in Pre-AP courses will receive an additional 0.5 quality point per course. The recommended graphing calculator is the TI-84 Plus CE.

**Algebra with Finance**

**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.

**Algebraic Connections**

**Prerequisite**: **Completion of Algebra I and Geometry/Technical Geometry and instructor approval**
Algebraic Connections is a course designed for students who wish to increase their mathematical knowledge and skills prior to enrollment in the Algebra II course or the Algebra II with Trigonometry course. Algebraic Connections expands upon the concepts of Algebra I and Geometry, with an emphasis on application-based problems. This course covers application-based problems dealing with analytical, numerical, and graphical methods dealing with finances involving banking and investments, insurance, personal budgets, and credit purchases. Other objectives covered are systems of linear equations and inequalities, equations of functions, quadratic function, graphical representations of data, properties of right triangles, Pythagorean Theorem, perimeter, area, volume, and probability. This course provides opportunities to incorporate the use of technology through its emphasis on applying functions to make predictions and to calculate outcomes. Algebraic Connections is only recognized as ½ credit toward NCAA eligibility.

**Algebra II**

**Prerequisite**: **Completion of Algebra I and Geometry/ Technical Geometry and instructor approval**
Algebra II is a terminating course for seniors designed to extend algebraic knowledge and skills beyond Algebra I. Students are encouraged to solve problems using a variety of methods that promote the development of improved communication skills and foster a deeper understanding of mathematics. To help students appreciate the power of algebra, application-based problems are incorporated throughout the course. The use of appropriate technology is also encouraged for numerical and graphical investigations. In contrast to the Algebra II with Trigonometry course, Algebra II does not meet the graduation requirements for an Advanced Diploma because it does not contain trigonometry content.

**Algebra II with Trigonometry**

**Prerequisite**: **Completion of Algebra I, Geometry, and instructor approval**
Algebra II with Trigonometry is a course designed to extend students' knowledge of Algebra I with additional algebraic and trigonometric content. Mastery of the content standards for this course is necessary for student success in higher-level mathematics. The use of appropriate technology is encouraged for numerical and graphical investigations that enhance analytical comprehension. Algebra II with Trigonometry is required for all students pursuing an Advanced Diploma.

**Advanced Algebra II with Trigonometry**

**Prerequisite**: **Completion of Algebra 1, Geometry and instructor approval**
This course is designed to extend students' knowledge of Algebra I with additional algebraic and trigonometric content. Mastery of the content standards for this course is necessary for student 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 in Honors Algebra II is considered an integral part of the course. The recommended graphing calculator is the TI-84 Plus CE. Students enrolled in Pre-AP courses will receive an additional 0.5 quality point per course.

**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**
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. Students enrolled in Pre-AP courses will receive an additional 0.5 quality point per course.

**AP Statistics**

**Prerequisite**: **Completion of Algebra II with Trigonometry and instructor approval**
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. Students enrolled in AP courses will receive an additional 1.0 quality point per course. The AP Exam for this course is required and will be administered in May. A $20 fee is required in all AP courses.

**AP Calculus AB**

**<u>Prerequisite</u>: Completion of Advanced Precalculus and instructor approval**

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. Students enrolled in AP courses will receive an additional 1.0 quality point per course. The AP Exam for this course is required and will be administered in May. A $20 fee is required in all AP courses

# Foreign Language

**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. Course fee is $10.

**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. Course fee is $10.

**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. Course fee is $10.

**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. Course fee is $10.

# Fine Arts

**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.** A $10 fee is required for this class.

**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. A $10 fee is required for this class.

**Instrumental Tech (9-12) (1 semester)**

In this semester 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. A $10 fee is required for this class.

**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. A $10 fee is required for this class.

**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. There is a $20 course fee for this class.

**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. There is a $20 course fee for this class.

**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 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. There is a $20 course fee for this class.

**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. There is a $20 course fee for this class.

**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.

**Visual Arts 1**

This course focuses on art production and art appreciation. Course content features 2-dimensional art including: drawing, value, perspective, design, and color. No previous art experience is necessary. Students will receive a supply list at the beginning of the term. Supplemental materials may be needed throughout the course. The fee for this class is $20.

**Visual Arts 2**

**Prerequisite: Visual Arts 1**
This course is an advanced study with emphasis on drawing and color theory application. Special emphasis is placed on developing individual skills and techniques. Students will purchase necessary materials. The fee for this class is $20.

**Visual Arts 3**

**Prerequisite: Visual Arts 1 & 2 with 70 average**
Visual Arts III is a year long, studio based course covering several disciplines, including photography, painting, sculpture and ceramics. The fee for this class is $25.

**Art Studio**

**Prerequisite: Senior level students – Instructor placement**
Art studio is for the senior art student interested in perhaps continuing the study of art at the college level or interested in an art-related career. Individual expression is encouraged as students begin to search for their own style. Students are encouraged to enter exhibitions, seek scholarships, and continue to build on their portfolio. The fee for this class is $25

**Graphic Arts**

**Prerequisite: Visual Arts 2**
This is a course in which students will brainstorm for creative ideas using functions of Graphic Design i.e. business cards, t-shirts, posters, programs, etc. Computer programs will be used as an artistic medium. Uses of typography will be explored to teach creative manipulation of fonts and type. The fee for this class is $25.

**Art History (1 semester)**

In this course, students explore the characteristics of various periods and styles of art from prehistoric to post-modern time periods. Most of the class is taught through project based activities. There is no prerequisite or artistic ability required to be successful in this course.

**Art Survey (1 semester)**

In this course, students will produce original projects, utilize the creative process, and study elements and principles of organization in dance, music, theatre, and visual arts. Students will also analyze, compare, describe and classify works of art in dance, music, theatre and visual arts. Other topics covered are: art vocabulary, performance and exhibition space, audience behavior, and technology.

**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.

**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.

**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. A $10 fee is required for this course.

# General Electives

**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)**

**Pre-requisite:** ”B” average in English and social studies classes and/or a “B” average in introductory to psychology
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. A course fee of $20 is required for this class.

**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 8th grade will only take the one semester Career Preparedness B course in the 9th grade.

**Career Preparedness B (1 semester)**

For students that took Career Preparedness A during the 8th 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.

# Physical Education

| 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. |

| 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. |

| **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. |

# Career and Technical Electives

**Fashion**

Fashion is a one-credit course that introduces students to the selection and care of clothing and accessories for individuals and families. Course content provides opportunities for students to explore factors that influence apparel choice, apparel history, current fashion trends, proper care and maintenance of apparel, laws and legislation regarding the apparel industry, apparel design, apparel repair and construction, wardrobe planning, technology in the apparel and textiles industry and career options. You will receive hands on experience in up to date basic sewing and construction techniques.

**Food and Nutrition**

This is a one-year course focusing on healthy eating, food management and food preparation. A $20 fee is required for this course.

**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.

**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 scholarshipped 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. |

# Agriculture and Building Construction

**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. A fee of $20 is required for this class.

**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. A fee of $20 is required for this class.

**Advanced Agribusiness**

Advanced Agribusiness is a third year course designed to focus students to effectively manage animal systems in agribusiness settings. A fee of $20 is required for this class.

**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. A fee of $20 is required for this class.

**Building Construction 1**

Building Construction is a two credit two period course taught on the HHS campus open to 11th and 12th grade students. Course content provides students with an overview of building construction principles designed to meet NCCER core credentialing

# Business/Marketing/Finance

**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. A $15 fee is required for this course.

**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. A $15 fee is required for this course.

**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. A $15 fee is required for this course.

**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. A $5 fee is required for this course.

**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 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. A $5 fee is required for this course.

**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. A $5 fee is required for this course.

**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. A $25 fee is required for this course.

**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

**Foundations of Engineering**

**Co-requisites: Algebra 1 and Biology**
Through this class, students use real world problems to understand how math and science are part of their everyday world, and why it is important for every citizen to be technologically and scientifically literate. Students learn what technology truly is and how we, as consumers, shape the direction of technology. Students use first-person textbooks written by engineers in order to fully understand the life and work of an engineer. They complete projects using math, science, physics, as well as other high school subjects. Students also explore the benefits and implications of introducing new technologies to consumers. Students who take this course acquire a greater depth of knowledge concerning how engineering affects our world and also how they will engineer in the future. A $20 fee is required for this course.

**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. A $20 fee is required for this course.

**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. A $20 fee is required for this course.

**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. A $20 fee is required for this course.

# Information Technology

**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.

**Advanced Computer Science with Robotics Certification**

This course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. This yearlong course will prepare students to take future AP courses in Computer Science. During the first semester, the course is based on topics from CS10K's "Exploring Computer Science" consisting of 4 units of study: (1) Human Computer Interaction, (2) Computation Thinking and Problem Solving, (3) Web Design using HTML/CSS, and (4) Computer Programming. During the second semester, students will complete an introduction to robotics programming using VEX robots and materials from Carnegie Mellon's robotics academy along with competing in the University of Alabama's robotics competition. In addition, students will learn how to use program structures in do programming in Python.

**AP Computer Science Principles**

**Prerequisite: PreAP 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 PreAP 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. A course fee of $20 is required for this course.

**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. A course fee of $20 is required for this course.

# 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*

**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. A fee of $20 is required for the course.

**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. A fee of $20 is required for this course.

**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. A fee of $20 is required for this course.

**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. A fee of $40 is required for this course.

**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. A fee of $20 is required for this course.

**Introduction to Pharmacy**

**Prerequisite: Successful completion of Foundations of Medicine**
A one credit course that introduces students to the pharmacy professions. Certified Pharmacy Technician national certification will be incorporated into the curriculum. Students will be required to purchase study materials for national certification preparation. A fee of $20 is required for this course.

**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. A fee of $20 is required for this course.

**Medical Academy Lab**

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

# Education and Training

**Education and Training Foundations**

This one credit course is the 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. A $20 fee is required for 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. A $20 fee is required for 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. A $20 fee is required for 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. A $20 fee is required for this course.

# Military Leadership

**CAP Leadership & Training (Let 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 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 (Let II)**

**Prerequisite: CAP Let 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 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

**Introduction to Manufacturing - (Grade 9)**

Intro to manufacturing is the initial course in the Manufacturing Academy. This course will provide basic conceptual and operational knowledge of manufacturing. Manufacturing processes are studied through project based learning opportunities. Successful completion of Intro to Manufacturing is a prerequisite to dual enrollment Machine Technology courses with Calhoun CC.

**Advanced Manufacturing I- (Grades 10-12)**

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 and a $20 course fee applies.

**Advanced Manufacturing II- (Grades 11-12)**

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.

**Introduction to Precision Machining- (Grades 10-12)**

Intro to precision machining is a two credit class taught at the Hartselle Career Center open to 10th , 11th, and 12th grade students. The course will also be offered as dual enrollment credit through Calhoun CC. Students will use critical thinking skills and principles of science, mathematics, and safety. Employability skills are stressed and reinforced through application in a job-like environment using industry grade machining equipment and tools. Students must provide their own transportation

# Public Safety and Law

| **Introduction to Law and the American Legal System** |
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| 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 - (Grades 10-12)** |
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| 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. |

# Hartselle High School Fees

**General Fees**

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| Locker | $10 |
| PE Locker | $5 |
| Parking | $15 |
| Premium Parking | $75 |
| Drop/Add Class | $10 |

**Academic Course Fees**

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| All Advanced Placement (AP) Courses | $20 |
| Chemistry, Adv Human Anatomy, Physics, & Forensics | $15 |
| Fundamentals of Agriscience | $20 |
| Intermediate Agriscience | $20 |
| Advanced Agriscience | $20 |
| Business Technology Applications | $15 |
| Advanced Business Technology | $15 |
| Multimedia Design | $15 |
| Cooperative Education/Work Based Learning | $15 |
| Personal Finance | $5 |
| Marketing Principles | $5 |
| Sports Marketing | $5 |
| Orientation to Medicine | $20 |
| Foundations of Medicine | $20 |
| Medical Internship | $40 |
| Therapeutic Services | $20 |
| Human Body Structure and Function | $20 |
| Sports Medicine Fundamentals | $20 |
| Introduction to Pharmacy | $20 |
| Fashion | $20 |
| Infant and Toddler Development | $20 |
| Education and Training | $20 |
| Teaching I | $20 |
| Teaching II | $20 |
| Education and Training Internship | $20 |
| Driver's Education | $20 |
| Foundations of Engineering | $20 |
| Engineering Design and Drawing | $20 |

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| Principles of Engineering | $20 |
| Engineering Applications | $20 |
| Adv Computer Science Principles | $20 |
| Introduction to Manufacturing | $15 |
| Advanced Manufacturing I | $20 |
| Advanced Manufacturing II | $20 |
| Spanish | $10 |
| Strength and Conditioning | $10 |
| Marching Band | $10 |
| Instrumental Tech | $10 |
| Color Guard | $10 |
| Concert Chorus | $20 |
| SSA Ensemble | $20 |
| Chamber Choir | $20 |
| Performers | $20 |
| Visual Arts I | $20 |
| Visual Arts II | $20 |
| Visual Arts III | $25 |
| Graphic Arts | $25 |
| Art Studio | $25 |
| Theatre H | $20 |
| Videography | $10 |
| Virtual Course | $30 |