2025-2026

Curriculum Guide and Course Descriptions

Hewitt Trussville High School

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Trussville, AL 35173

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Administrators

Aaron King
Angela Petix
Corey Hall
Dawn Kilgore
Edron Lane
Joy Young

Counselors

Heather Winship - Freshmen
Amy Cane - Sophomores
Jessica Morris - Juniors
Laura Stalls - Seniors

Trussville City Schools

Dr. Patrick Martin, Superintendent
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Board Members

Kim DeShazo, President
Sherrye Tolbert, Vice-President
Kathy Brown
Steve Ward
Jason Daniel

Last updated April 15, 2025

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HTHS Academy Course Descriptions

SCHOOL MISSION

The mission of Hewitt-Trussville High School is to educate students using high standards in a safe, nurturing environment fostering academic and career competencies which prepare them to be productive citizens.

NON-DISCRIMINATORY POLICY

The policy of the Board (Reference 1.04): The Trussville City Board of Education does not discriminate on the basis of race, color, national origin, sex, disability, religion, or age in its programs and activities, and provides equal access to the Boy Scouts and other designated youth groups.

OVERVIEW

It is very important that students and their parents give careful consideration to the courses that are selected each school year. The diploma type toward which the student is working should be considered, as well as the student's past academic record. Each spring, students are advised about courses and given the opportunity to work with a counselor to develop their individual course selections for the following school year.

The number of sections offered for a given course in the school year is determined by the course selections requested by students during the spring pre-registration period. Once the master schedule is developed, changes in course selections may not be possible. A sufficient number of students must select an elective course for it to be offered. A student who selects a course that is not offered will be scheduled into one of his/her alternate courses.

Counselors are available to answer questions about any of the courses that are listed in this document. They are easily accessible by email. If there are still questions, students/parents may make an appointment with the appropriate grade level counselor or request additional information by calling the HTHS Guidance Department at 228-4026.

HTHS Counseling Center

COUNSELORS AND STAFF
(205) 228-4026

Heather Winship - Freshmen

Amy Cane - Sophomores

Jessica Morris - Juniors

Laura Stalls - Seniors

Lisa Smith - Career Coach

Beth Martin - Guidance Office Assistant

Tammy Lee - Job Development Coach

Lauren Cooley – Registrar

Skye
FACILITY DOG

DIPLOMA OPTIONS

COURSE	CREDITS	ALABAMA HIGH SCHOOL DIPLOMA	ADVANCED DIPLOMA	DIPLOMA WITH HONORS
English Language Arts	4	• English 9 • English 10 • English 11 • English 12 *or any Adv/AP/IB/postsecondary equivalent		MUST INCLUDE: 5 AP or Dual Enrollment Courses *(No more than 2 Dual Enrollment Courses)* and at least two years of the same foreign language **OR** Must take seven AP courses *(up to two could be dual enrollment)*
Mathematics	4	• Geometry w/Data Analysis • Algebra I w/Probability (or 7th/8th grade advanced equivalent) • Algebra II w/Statistics • One additional Specialized Course: Precalculus, Applications of Finite Mathematics, Math-credit eligible courses from Career & Technical/Advanced Placement/IB/ postsecondary/SDE-approved courses	One year of math beyond Algebra II with Statistics	
Science	4	• Biology • A physical science (Chemistry, Physics, or Physical Science) • The third and fourth science credits may be used to meet both the science or CTE course requirement and must be chosen from the Alabama Course of Study: Science or Adv/PreAP/AP/IB/postsecondary equivalent option of these courses.)	Must take either Chemistry or Physics and one other science from Tier I or II (see science Tier graph on page 6)	
Social Studies	4	• World History • US History I • US History II • Government/Economics or ADV/AP/IB postsecondary equivalent option of these courses		
Physical Education	1	• Beginning Kinesiology • One JROTC credit may be used to meet this requirement. • Marching Band, Band Auxiliary, AHSAA P.E./Approved Athletic Teams, or Cheerleading may substitute for Beginning Kinesiology Online		
Health	0.5	• Alabama Course of Study: Health Education		
Career Prep	1	• Career Preparedness Course		
CTE and/or Foreign Language and/or Arts Education	3	• Students choosing CTE, Arts Education, and/or Foreign Language are encouraged to complete two courses in sequence.	Three consecutive courses from either an academy, fine art, or foreign language	
Electives	2.5	• See HTHS Curriculum Guide for elective choices. • Online technology enhanced course or experience requirement embedded in coursework.	Must take at least one Advanced Placement course from any core or elective subject area	
Total Credits Required	24	24	24 (Cumulative 2.5 GPA)	24

*Taking Accelerated Math 7 and Accelerated Math 8 in middle school does not earn one of the four math credits required for a high school diploma. Students must take 4 math courses in high school.
**Other Graduation requirements; 1)Seniors must complete FAFSA or complete an opt out waiver, 2)earn a College & Career Readiness Indicator, prior to graduation, and 3)pass the ALSDE Civics Test (See subsequent pages for details on CCRI)

TRUSSVILLE CITY SCHOOLS
DIPLOMA ENDORSEMENT REQUIREMENTS

TCS endorsements are used to recognize student performance beyond the Alabama High School diploma requirements. All requirements for the Alabama Diploma must still be met along with the additional requirements below.

ALABAMA HIGH SCHOOL DIPLOMA WITH ADVANCED ENDORSEMENT:

- Three consecutive courses from either an academy, fine art, or foreign language, and one year of math beyond Algebra II w/Statistics
- Must take either Chemistry or Physics and one other science from Tier I or II (see science Tier graph below and in the science section of the HTHS Curriculum Guide)
- Must take at least one Advanced Placement course from any core or elective subject area
- Must have at least a 2.5 GPA on final high school transcript

ALABAMA HIGH SCHOOL DIPLOMA WITH HONORS ENDORSEMENT:

- Must take five AP courses (up to two could be dual enrollment), and at least two years of the same foreign language

OR

- Must take seven AP courses (up to two could be dual enrollment).

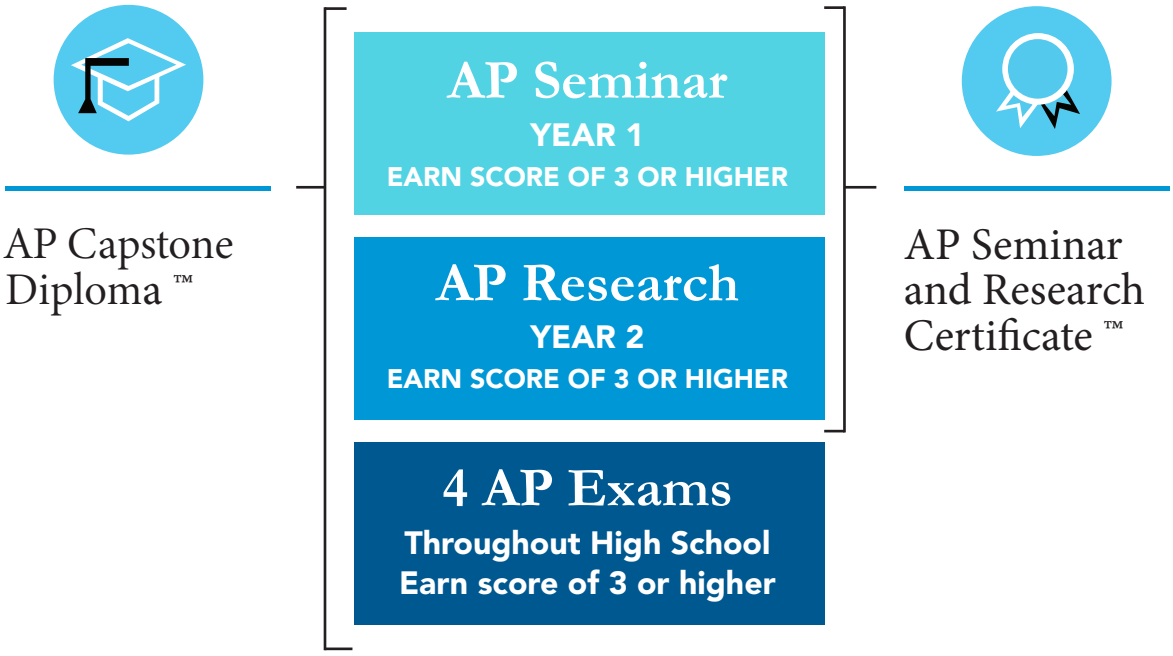
TIER I SCIENCE COURSES	TIER II SCIENCE COURSES	TIER III SCIENCE COURSES
• AP Biology • AP Chemistry • AP Environmental • AP Physics 1 • AP Physics 2 • AP Physics C: Mechanics • AP Physics C: Electricity & Magnetism	• Pre-AP Biology • Pre-AP Chemistry • Physics • AP Computer Science Principles • AP Computer Science A	• Anatomy and Physiology • Biology • Chemistry • Environmental Science • Earth and Space • Physical Science • Programming Foundations

AP CAPSTONE

AP Capstone is a diploma program based on two year-long AP courses: AP Seminar and AP Research. These courses are designed to complement other AP Courses that the AP Capstone student may take. Instead of teaching specific subject knowledge, AP Seminar and AP Research use an interdisciplinary approach to develop the critical thinking, research collaboration, time management, and presentation skills students need for college-level work.

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams receive the AP Seminar and Research Certificate.

Students who earn these awards can view and print their diploma or certificate Online. The award is also acknowledged on any AP score report that is sent to colleges after the award as been conferred.



COLLEGE AND CAREER READY INDICATORS

Per the Alabama State Department of Education, all students must earn AT LEAST ONE College and Career Ready Indicator (CCRI) prior to graduation in order to receive their high school diploma.

CCRIs are listed below:

- ☐ Earning a benchmark score in any subject area on the ACT college entrance exam.
- ☐ Earning a qualifying score of three or higher on an Advanced Placement exam.
- ☐ Earning a qualifying score of four or higher on an international baccalaureate exam.
- ☐ Earning college credit while in high school.
- ☐ Earning a silver or higher level on the ACT WorkKeys exam.
- ☐ Completing an in-school youth apprenticeship program.
- ☐ The student must earn a credential on the approved list for the CTE program declared at the school. The student must be declared in that program.
- ☐ Documented acceptance for enlistment into the military. The student must enlist in a branch of the military before graduating high school. An official letter from the recruiter stating the student has enlisted is required.
- ☐ Attaining career and technical education completer status. The student must complete three courses in one CTE program and have earned a 70 or higher in each of the three courses.
  HTHS C & C Readiness Indicator Course Matrix Link
- ☐ Any additional college and career readiness indicator approved by the State Board of Education.
- ☐ Complete an ALSDE - approved computer science course.

THE ALABAMA STATE SEAL OF BILITERACY

The Alabama State Seal of Biliteracy will be awarded to those high school students who have demonstrated both an indicated level of proficiency in English and an intermediate-mid level of language proficiency in at least one other world language according to the guidelines of the American Council of Teachers of Foreign Languages. Students must also have fulfilled high school graduation requirements. Proficiency levels will be determined in each language through a standardized assessment program, the world language component of which will be first administered during the final semester of the third year of language study. For more details on proficiency requirements, please visit the Alabama Seal of Biliteracy Website. https://theglobalseal.com/alabama-seal-of-biliteracy

GRADING / CREDITS

Grades and .5 credit are awarded at the end of each semester. Progress reports are uploaded to the PowerSchool parent portal at the 9 week point of each semester. HTHS uses a running average for each semester's final grade earned. Exam grades and 80% running average are always rounded up with a 5 or greater number after the decimal. The grades are rounded to the whole number. The rounding is done before averaging the total semester average. See below for each semester's running average components:

1ST SEMESTER:	2ND SEMESTER:
• Term 1 cumulative running average: 80% • 1st semester exam: 20% • Grades calculated to earn .50 credit	• Term 2 cumulative running average: 80% • 2nd semester exam: 20% • Grades calculated to earn .50 credit

Promotion/Grade Classification

- 10th grade student (sophomore)=6 credits earned
- 11th grade student (junior)=12 credits earned
- 12th grade student (senior)=18 credits earned

Parents and students may view their grades at any time through the home portal.

ADVANCED CREDITS

In addition to general level courses, many subjects are offered at the Advanced, Pre-AP, AP, and Dual Enrollment college level. Advanced Placement and Dual Enrollment courses are awarded one additional quality point for grades of 60 or higher. Pre-AP courses are awarded .5 additional quality point for grades of 60 or higher.

Any student who takes an Advanced or AP class will benefit from the challenges offered due to the rigor, high academic standards, inclusion, increased communication and increased preparation for the future. Students who have a strong work ethic and who have demonstrated ability in the given subject, along with students who are driven to attempt college level courses while attending high school should take Pre-AP and AP classes. Please note that these classes are challenging and require an average of an additional 30-60 minutes of homework per night for each course. However, we want to stress the fact that students benefit at both the high school and collegiate levels from these courses regardless of achieving a qualifying score or taking the AP exam at all.

Students who take AP classes will take the associated AP exam at the end of the course. *There is a cost for each AP exam and students are expected to take the exam for each AP course in which they are enrolled. Please refer to College Board's current fee sheet for prices.* College Board and most states provide financial assistance/ fee reductions for students who qualify. An extra quality point will be awarded for each AP course in which a student passes and takes the corresponding AP exam. Students should consult their prospective universities to determine individual course exam qualifying scores. Once enrolled in an AP class, a student is expected to remain in that class until the end of the school year. However, students may be permitted to withdraw from an Advanced Placement course within a specific time frame with the instructor, counselor, and administrator's approval.

Students who drop AP Course(s) will forfeit a refund.

AWARDING OF GRADES AND CREDITS

The Trussville City School System follows the guidelines by the Alabama State Dept. of Education for failed courses. Credit Recovery is based on deficiencies rather than a repeat of the entire course. Course Replacement is for students who have not achieved a baseline average of 40 or above. These students must repeat the entire course. The failing grade earned will remain on the student's transcript. The additional grade(s) earned in credit recovery is also posted to transcript and will not exceed a grade of 70. Please review AHSAA and NCAA academic eligibility requirements.

WHAT IS GPA?

- GPA is an abbreviation for grade point average
- It begins when you take your first high school course
- It is a point system based on all high school credit courses.
- There is a weighted GPA and unweighted GPA
- Weight is accrued by taking Advanced and AP courses, or Dual Enrollment courses
- GPA is posted on to transcript and is cumulative after each semester

HOW IS GPA CALCULATED?

- HTHS uses the standard GPA scale to calculate GPA. The standard scale, awards an A with 4.0 points, a B would get you 3.0 points, a C, 2.0 points and so on.

GPA CONVERSION CHART:

NUMERIC GRADE	4.0 CONVERSION FOR STANDARD-LEVEL COURSES	4.0 CONVERSION FOR PRE-AP COURSES	4.0 CONVERSION FOR DUAL ENROLLMENT & AP COURSES
90 - 100	4.000	4.500	5.000
80 - 89	3.000	3.500	4.000
70 - 79	2.000	2.500	3.000
60 - 69	1.000	1.500	2.000
0 - 59	0.000	0.000	0.000

CONVERSION CHART GPA EXAMPLE:

COURSES	1ST SEMESTER (.5 CREDIT EACH)	QP	2ND SEMESTER (.5 CREDIT EACH)	QP
PRE-AP ALGEBRA I	90	4.5	88	3.5
SPANISH I	90	4.0	95	4.0
PRE-AP ENGLISH 9	92	4.5	96	4.5
BIOLOGY	94	4.0	90	4.0
PRINCIPLES OF BIOMED	91	4.0	95	4.0
LIFE PE	100	4.0	100	4.0
WORLD HISTORY	86	3.0	89	3.0

Adding up total points earned 1st semester =28, Divide by total credits you will earn for the entire year = 7.0 and 1st semester GPA = 4.0; 2nd semester total points earned = 27/7= 3.8571; **so, this student would have a 3.9285 cumulative GPA**

GUIDELINES FOR THE DETERMINATION VALEDICTORIAN, SALUTATORIAN, AND HONOR GRADUATES

BOARD POLICY STATES:

- 7.13.1 Honor Graduates – Students who meet the following requirements shall be classified as honor graduates at high school commencement ceremonies:
    - Enrolled in the school system for a minimum of one full academic semester prior to the date of graduation;
    - Qualify for the most advanced academic diploma offered.
    - Successful completion and passing of any required graduation examinations and other requirements for graduation set forth by the Board; and
    - An overall grade point average (GPA) of 4.00 or higher (on a 4.00-point scale) for all courses taken,
    - Must be maintained for honor recognition.
- 7.13.2 Society of Distinction – Students who meet the following requirements shall be recognized as members of the Society of Distinction at the high school commencement ceremonies:
    - Enrolled in the school system for a minimum of one full academic semester prior to the date of graduation;
    - Qualify for the most advanced academic diploma offered;
    - Successful completion and passing of any required graduation examinations and other requirements for graduation set forth by the Board; and
    - Maintenance of an overall grade point average (GPA) of 4.25 or higher (on a 4.00-point scale) for all courses taken must be maintained.
- 7.13.3 Valedictorian/Salutatorian – To be considered for the position of either valedictorian or salutatorian, a student must qualify for the most advanced academic diploma offered and have been enrolled in the school system for a minimum of 2 full academic semesters prior to the date of graduation. The student with the highest numerical grade average in the graduating class (calculated and weighted as prescribed in Board Policy) will be the class valedictorian. The student with the second highest numerical grade average in the graduating class shall be the class salutatorian. In calculating the numerical grade average, all high school credit will be used. In the case of a tie, students having the same average will be recognized as co-valedictorians and co-salutatorians.

HTHS does not award weight for transfer classes unless the course meets one of the following criteria:

- HTHS offers the same course
- AP College Board Course
- Dual Enrollment (see HTHS Curriculum Guide)

The HTHS weight grade/weight scale will be used for all courses which award credit.

COURSE REQUEST PROCESS

The school master schedule for the next school year is built on the course requests of approximately 1,600 students. Each student will be given a course selection card for their respective grade. Every effort will be made to provide students with the courses for which they have been recommended or have requested. *However, the availability of courses depends upon many factors including: number of students requesting a course, number of sections of a course, and staff availability.* Consequently, some students may have to select alternate elective courses due to scheduling conflicts or cancellation of courses with insufficient enrollment. To maximize a student's priority course, request the courses they want, students should use the following the guidelines:

- Before requesting courses for next year, check all criteria, recommendations, and academic instructional levels listed; Refer to HTHS 2025-2026 curriculum guide per grade level course selections both available online on the HTHS website under *The 2025-2026 Course Selection link*.
- Grade level counselors will be visiting classes to discuss course requests and the process for entering your preferred selections online. Students must complete grade level course selection cards.
- Course selection cards must include Alternate Course choices by priority and with parent signature.
- Return grade level course card with parent/s signature to Guidance Office by February 28th.

STEP 1 : General information and instructions regarding the course scheduling process are provided to all students during large and small group sessions with counselors.

STEP 2 : Students will be required to enter course selections online. Username and passwords are the exact same ones that students use to login to Powerschool each day at school. There will be opportunities at school during lunch study for students to enter courses Online through February 28th. Counselors for 2025-2026 are:

- Heather Winship - Freshmen
- Amy Cane - Sophomores
- Jessica Morris - Juniors
- Laura Stalls - Seniors

STEP 3 : Once course requests are entered online, the grade level course selection card must be signed by parent/guardian and student and turned into the guidance office. The deadline for all course selection cards to be returned is Feb. 28th. Each student will meet with a counselor to review course selections entered. Any student not returning a course selection card signed by parent/guardian and student by the end of Feb. 28th may forfeit the right to choose his or her classes for the 2025-2026 academic year.

ALABAMA COMPREHENSIVE ASSESSMENT PROGRAM

ALL students attending public school must be provided the opportunity to participate in the ACAP. It is the policy of the Alabama State Board of Education and the ALSDE that no student be excluded from participation in, be denied the benefit of, or be subjected to discrimination in any program or activity on the basis of sex, race, color, creed, religion, belief, national origin, ethnic group, or disability.

Supports that are universally available for everyone ensures that every student has an opportunity to demonstrate his/her knowledge. Students receiving services as part of an IEP/Section 504 Plan or I-ELP may be eligible for accessibility supports and/or accommodations on state assessments. Students may receive accommodations according to their individualized plan. Accommodations must be approved by ACT and College Board in advance of testing.

Students are required to take all required state standardized tests for the grade level to which they have earned credits.

9th Grade Credit Requirement- 0-5 total credits earned
10th Grade Credit Requirement- 6-11 total credits earned
11th Grade Credit Requirement- 12-17 total credits earned
12th Grade Credit Requirement- 18-24+ total credits earned

***PSAT/NMSQT is the only optional standardized test administered to students in grade levels 10th and 11th at HTHS. Students who would like to request accommodations for this test must notify their case manager and/or grade level counselor no later than the second full week of the school year so that the request can be submitted to College Board Services for Students with Disabilities for final approval.*

DUAL ENROLLMENT

The Dual Enrollment Program allows high school students to enroll in college courses and receive both high school and college credit for the same course. Such arrangements allow students to meet the requirements for high school graduation while simultaneously earning college credit. Students must have a minimum cumulative grade point average of 3.0, or 2.5 for a Career Tech dual enrollment course, and meet any other requirements for specific courses in order to participate in this program. Students should consult their prospective colleges and universities to determine if the credit is accepted by that college or university. Students are required to pay college tuition for dual enrollment classes. There will be several dual enrollment courses offered on the HTHS campus for the 2025 - 2026 academic school year. Grades earned count towards the student's high school and college GPA.

TRUSSVILLE CITY SCHOOLS DUAL ENROLLMENT POLICY 7.06

Upon recommendation of the Superintendent, the Board may establish guidelines in accordance with the regulations of the State Department of Education by which qualified high school students are allowed to take post-secondary college courses for high school credit.

[Reference: Ala. Admin. Code 290-3-1-.02(11)] [Approved: August 18, 2016] Procedure: Trussville City Schools supports and encourages Dual Enrollment (DE) through agreements with Jefferson State Community College. In addition, agreements with additional in-state and early college programs may be considered. Approved Dual Enrollment (DE) courses will be given additional weight of one quality point

BEFORE ENROLLMENT IN A DUAL ENROLLMENT COURSE, STUDENTS ARE RESPONSIBLE FOR

1. Verifying the amount of credit(s) and grade point average calculation adjustment that will be received for the course, affecting academic records at both the college/university and with Trussville City Schools.
2. Completing requirements for enrollment from the college/university and working with the dual enrollment coordinator at Hewitt-Trussville High School to complete the dual enrollment pre-approval process.

Please note the following requirements:

- Only courses that are not offered at HTHS will be considered for approval. DE Courses count as a weighted elective for high school credit and are also posted to the student's college transcript.
- Once a Dual Enrollment course is completed, the cooperating college or university will provide official documentation of the end-of-course grade to the counselor/registrar by the end of the semester. Those grades will then be posted to the high school transcript. Students must have submitted any official dual enrollment pre-approval forms from their college/university and this HTHS Dual Enrollment Pre-Approval Form.
- Courses not dropped prior to the add/drop date will be transcribed to the student's high school transcript.
- Completed Dual Enrollment courses will not replace core course credit unless approved by the counselor/administrator prior to enrollment in the course. Students are required to take all four high school core classes each year.
- No more than twelve college credit hours may be considered for high school GPA calculation. Please be aware that more than twelve hours may make a student ineligible for freshman status, thus resulting in loss of college freshman scholarship eligibility. Student/Parent is responsible for any eligibility and/or status information.
- Currently TCS has MOU's with Jefferson State Community College, UA Early College, Auburn First, Wallace State, and UAH.

Dual Enrollment tuition is paid directly to each college prior to each semester. It is also necessary that students complete an online registration for each semester enrolled. DE Courses prices range between $500 - $700 for each 3 credit-hour course.
Visit each college's website for current tuition, scholarship, and program information.

Hewitt-Trussville High School's Dual Enrollment Coordinator for 2025-26 is
Jessica Morris | jessica.morris@trussvillecityschools.com

CLICK HERE FOR THE 2025-26 HTHS DUAL ENROLLMENT PRE-APPROVAL FORM

For More Dual Enrollment Information Visit: https://secure.smore.com/n/5dbj7

ADVANCED PLACEMENT AND DUAL ENROLLMENT COURSES OFFERED AT HTHS FOR 2025-2026:

- AP English 10 Seminar
- AP Research
- AP English 11- Language & Composition
- AP English 12- Literature & Composition
- AP Precalculus
- AP Statistics
- AP Calculus AB
- AP Calculus BC
- AP Computer Science Principles
- AP Computer Science A
- AP Biology
- AP Chemistry
- AP Environmental Science
- AP Physics 1
- AP Physics 2
- AP Physics C: Mechanics
- AP Physics C: Electricity and Magnetism
- AP World History
- AP European History
- AP Human Geography
- AP US History
- AP Government
- AP Economics
- AP Art Studio Drawing
- AP Art Studio 2D
- AP Art Studio 3D
- AP Music Theory
- AP Latin IV
- AP Spanish V
- AP Psychology

- Dual Enrollment English 12 (English 101 & 102)- with Jeff State (Eng 101 .50 & Eng 102 .50)
- Emergency Medical Technician EMS 118- with Jeff State (.50 at HTHS, 1.0 course at JSCC)
- Emergency Medical Technician Clinical EMS 119- with Jeff State (.50 at HTHS)
- Students will be allowed to enroll in a dual enrollment opportunity in conjunction with Jefferson State Community College, the University of Alabama Early College and Auburn First.

For Dual Enrollment courses not taken at HTHS:

- Any 3 to 4 hour college credit courses equate to .50 high school credit on HTHS transcript. Example: Psychology 200 (3 college credit hours) = .5 credit of PSY 200

**It is the parents/student's responsibility to review college course exemption/credit policies as they continue to evolve and may vary by post-secondary institutions. Before enrolling in Dual Enrollment or AP courses, it is important to note that some colleges may award course credit based on ACT or SAT subject test scores. Your review of these policies may impact your decision for enrollment in Dual Enrollment AP courses while in high school. You must request that your test scores be sent to colleges to which you will be applying.*

ENGLISH DEPARTMENT

All English classes will require summer reading. Additionally, AP English classes may require summer written assignments.

Summer reading lists and instructions for summer written assignments will be given out in May of the current school year. These can also be found on the school's website, each English teacher's website, the library's website, the main office, and the guidance office.

ENGLISH COURSE OPTIONS BY GRADE LEVEL		
9th Grade Options:	English 9	(01001G1001)
	Pre-AP English 9	(01005E10PR)
10th Grade Options:	English 10	(01002G1000)
	English 10 AP Seminar	(01013E1001)
11th Grade Options:	English 11	(01003G1000)
	AP English 11 – Language & Composition	(01005H1000)
12th Grade Options:	English 12	(01004G1000)
	AP English 12 Literature & Composition	(01006H1000)
	Dual Enrollment English Composition I AND Dual Enrollment English Composition II	(01999C1001) (01999C1002)

ENGLISH 9 (01001G1001)

9

YEAR-LONG / 1 CREDIT — GRADE 9

RECOMMENDED PREREQUISITES: NONE

NO COURSE FEE REQUIRED

This course focuses on English Language Arts skills, such as writing, speaking, and listening, that are necessary for students to be successful in high school and beyond, with an emphasis on analyzing and interpreting informational and literary texts. Students will develop reading skills through an emphasis on early world literature including *The Odyssey* and *Romeo and Juliet*.

** NCAA Approved Course*

PRE-AP ENGLISH 9 (01001E10PR)

9

YEAR-LONG/ 1 CREDIT — GRADE 9

RECOMMENDED PREREQUISITES: B AVERAGE IN ADVANCED ENGLISH 8 OR TEACHER APPROVAL

NO COURSE FEE REQUIRED

Pre-AP English 9 is an accelerated English course that focuses on reading, writing, and language skills that are relevant to students' current work and essential for students' future coursework in both high school and college. Texts from early world literature (pre-1600) take center stage, preparing students for close, critical reading and analytical writing. The course trains readers to observe small details in a text to arrive at a deeper understanding of the whole. It also trains writers to create complex sentences—building this foundational skill en route to sophisticated, longer-form analyses. This course provides the foundation for future success in AP Seminar, AP Language and Composition, and AP Literature and Composition.

** NCAA Approved Course*

ENGLISH 10 (01002G1000)

10

YEAR-LONG / 1 CREDIT — GRADE 10

RECOMMENDED PREREQUISITES: NONE

NO COURSE FEE REQUIRED

English 10 students will build on the skills learned in English 9. Students will be exposed to a variety of texts that will help in advancing their critical thinking, comprehensive, and application skills. Students will be expected to take part in whole-class, group, and individual assignments. Students will combine these skills to produce projects, presentations, and a research paper. This course will assist students in further developing the reading, writing, and listening skills necessary for college and career readiness.

** NCAA Approved Course*

ENGLISH 10 AP SEMINAR (01013E1001)

10

YEAR-LONG / 1 CREDIT — GRADE 10

RECOMMENDED PREREQUISITES: B AVERAGE IN ADVANCED ENGLISH 9 OR ENGLISH 9, AND TEACHER APPROVAL

COURSE FEE REQUIRED

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing relevant, reliable, and credible sources. Students are tasked with creating research-based multimedia presentations, both individually and as part of a team, that synthesize information from multiple sources and evaluate potential problems and solutions. Students are also expected to write research reports and extended essays that effectively analyze an author's claims and line of reasoning.

AP Seminar is the first course in College Board's AP Capstone Diploma Program, which, along with AP Research, allows students to earn the prestigious AP Capstone Diploma by demonstrating advanced research and presentation skills. To learn more about the AP Capstone Diploma, please refer to page 7.

** NCAA Approved Course*

ENGLISH 11 (01003G1000)

11

YEAR-LONG / 1 CREDIT — GRADE 11

RECOMMENDED PREREQUISITES: NONE

NO COURSE FEE REQUIRED

This course focuses on developing the skills necessary to comprehend, analyze, and communicate, both orally and in writing, the themes that emerge through a survey of American literature (fiction and nonfiction) reflected in various genres such as the novel, short story, drama, poetry, and nonfiction essay and biography. This course provides the student with various aspects of communication involving grammar and standard practices in speaking and writing (paragraphs, themes, and research papers). Students will write in-class, timed essays frequently. Research paper is required.

** NCAA Approved Course*

AP ENGLISH 11 – LANGUAGE & COMPOSITION (01005H1000)

11

YEAR-LONG / 1 CREDIT — GRADE 11

RECOMMENDED PREREQUISITES: B AVERAGE IN ADVANCED ENGLISH 9 AND ADVANCED ENGLISH 10, AND TEACHER APPROVAL

COURSE FEE REQUIRED

This is an introductory college-level course that focuses on the art of rhetoric and effective argumentation. As such, most of the course readings will be nonfiction, including speeches, journalism, personal essays, and novel-length works. This course will also give students the practice necessary to make them flexible writers who can compose in a variety of modes and for a variety of purposes. The standards are established by the College Board, and students may earn college credit (usually in English 101 and/or 102) based on an AP Exam at the end of the year. Score requirements for credit are determined by individual colleges/universities.

** NCAA Approved Course*

ENGLISH 12 (01004G1000)

12

YEAR-LONG / 1 CREDIT — GRADE 12

RECOMMENDED PREREQUISITES: NONE

NO COURSE FEE REQUIRED

In this course, students review the core components of an English class – reading, writing, speaking and listening, and vocabulary – through the lens of British literature. In addition, they are given the opportunity to progress toward the more elaborate means of oral and written communication and toward a better understanding of carefully selected nonfiction literature, informational texts, plays, novels, and poetry. Research paper required to graduate.

** NCAA Approved Course*

AP ENGLISH 12 LITERATURE & COMPOSITION (01006H1000)

12

YEAR-LONG / 1 CREDIT GRADE 12

RECOMMENDED PREREQUISITES: B AVERAGE IN AP ENGLISH 11, A MINIMUM SCORE OF 24 ON THE ENGLISH SUBTEST ON THE ACT, TEACHER APPROVAL..

COURSE FEE REQUIRED

This is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis. The course standards are established by the College Board, and students may earn college credit (usually in English 101, 102, or a humanities elective) based on their score on an AP exam at the end of the year. Score requirements for credit are determined by individual colleges/universities.

** NCAA Approved Course*

DUAL ENROLLMENT ENGLISH COMPOSITION I (01999C1001) AND DUAL ENROLLMENT ENGLISH COMPOSITION II (01999C1002)

12

SEMESTER / .5 CREDIT GRADE 12

REQUIRED PREREQUISITES: SENIOR STATUS, MINIMUM CUMULATIVE GPA OF 3.0, MINIMUM SCORE OF 18 ON THE ENGLISH SUBTEST OF THE ACT. CONTINUED ENROLLMENT IN ENG 102 REQUIRES A GRADE OF C OR HIGHER IN ENG 101.

COLLEGE TUITION FEE REQUIRED

Students registering for this course will earn high school credit for English 12 and will complete six semester hours of college credit in English Composition I and II through a dual enrollment agreement with Jefferson State Community College. The curricula for these courses are interlaced in order to meet all of the requirements for each course component. Dual Enrollment English 12 is designed for the student with above average abilities in English. Both English Composition 101 and 102 provide instruction and practice in the writing of at least four extended compositions per semester, as well as the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. Students are required to pay the college tuition for this course on the first day of school and the again in January.

**See college course credit policies of colleges in which you are applying before enrollment in these courses. See Page 12*

** NCAA Approved Course*

MATHEMATICS DEPARTMENT

MATHEMATICS COURSE OPTIONS BY GRADE LEVEL		
9th Grade Options:	Geometry with Data Analysis	(02073G1000)
	Pre-AP Geometry with Statistics	(02073E10PR)
10th Grade Options:	Algebra I with Probability	(02052G1000)
	Pre-AP Algebra I	(02052E10PR)
	Algebra II with Statistics	(02056G1000)
	Pre-AP Algebra 2	(02056E10PR)
11th Grade Options:	Algebra II with Statistics	(02056G1000)
	Pre-AP Algebra II	(02056E10PR)
	Precalculus	(02110G1000)
	AP Precalculus	(02110E1001)
	AP Statistics	(02203E1000)
	AP Calculus (AB Level)	(02124E1000)
	AP Calculus (BC Level)	(02125E1000)
12th Grade Options:	Career Mathematics	(02153G1001)
	Applications of Finite Mathematics	(02136G1000)
	Precalculus	(02110G1000)
	AP Precalculus	(02110E1001)
	AP Statistics	(02203E1000)
	AP Calculus (AB Level)	(02124E1000)
	AP Calculus (BC Level)	(02125E1000)

MATHEMATICS DEPARTMENT

STUDENTS MUST BE ENROLLED IN A MATHEMATICS COURSE EACH YEAR OF HIGH SCHOOL.

All math courses require the signature of your present math teacher. If your selection is not approved, your teacher will indicate "not recommended." Students must have completed the prerequisites as indicated below:

The following criteria are considered when recommending students for math courses:

1. Advanced Courses
    - A. Grade of A or B in previous Advanced courses
    - B. Grade of A in previous general math courses
    - C. Teacher recommendation
2. AP Courses
    - A. Teacher recommendation
    - B. AP Calculus AB: a minimum of 22 on the math portion of the ACT, and an A or B average in advanced precalculus, or a minimum grade of 95 or higher for the year in general precalculus.
    - C. AP Calculus BC: a minimum of 25 on the math portion of the ACT, and an A average in advanced precalculus.
    - D. AP Statistics: Successful completion of Advanced Algebra II with Statistics or Advanced Algebra II with Statistics with grade of 80 or higher, Advanced Precalculus with grade of 70 or higher, or Precalculus with grade or 80 or higher, or teacher recommendation.

THE COURSES LISTED BELOW MAY BE USED TO FULFILL A STUDENT'S FOURTH CREDIT IN MATHEMATICS.

- 10152G1001 Programming Foundations
- 10019E1000 Computer Science Principles, AP
- 10157E1000 Computer Science A, AP (teacher recommendation required)

Note: A student attempting to enroll in non-recommended mathematics course may be required to submit an override letter to the grade level counselor

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GEOMETRY WITH DATA ANALYSIS (02073G1000)

9

YEAR-LONG / 1 CREDIT — GRADE 9

RECOMMENDED PREREQUISITES: SUCCESSFUL COMPLETION OF MIDDLE SCHOOL MATH

NO COURSE FEE REQUIRED

In Geometry with Data Analysis, students will build upon their understanding of geometric relationships and begin formulating mathematical arguments. There is a strong emphasis on reasoning and proof throughout the course as students will learn to write formal proofs to support their solutions. Course topics include reasoning, proof, and the creation of sound mathematical arguments; points, lines, and angles; triangles and trigonometry; quadrilaterals and other polygons; circles; congruence, similarity, transformations, and constructions; coordinate geometry; three-dimensional solids; descriptive statistics; and data and mathematical modeling.

** NCAA Approved Course*

PRE-AP GEOMETRY WITH STATISTICS (02073E10PR)

9

YEAR-LONG / 1 CREDIT

GRADE 9

REQUIRED PREREQUISITES: SUCCESSFUL COMPLETION OF ACCELERATED MATH 7 & 8 OR GENERAL MIDDLE SCHOOL MATH

RECOMMENDED PREREQUISITES: PASSED ACCELERATED MATH 7 & 8 WITH A GRADE OF 80 OR HIGHER OR GENERAL MIDDLE SCHOOL MATH WITH A GRADE OF 90 OR HIGHER AND TEACHER RECOMMENDATION

NO COURSE FEE REQUIRED

(See Geometry with Data Analysis description above)

Pre-AP Geometry with Statistics provides students with a conceptual bridge between algebra and geometry that deepens their understanding of mathematics. The course includes a unit of statistics and probability to support students' understanding of concepts essential to quantitative literacy. Throughout the course, students solve problems across the domains of algebra, geometry, and statistics.

** NCAA Approved Course*

ALGEBRA I WITH PROBABILITY (02052G1000)

10

YEAR LONG / 1 CREDIT

GRADE 10

REQUIRED PREREQUISITES: SUCCESSFUL COMPLETION OF GEOMETRY

**Students who have completed Accelerated Math 7 and 8 in middle school may enroll in Advanced Algebra II w/ Statistics*

NO COURSE FEE REQUIRED

Algebra I with Probability is designed to build upon algebraic concepts studied in the middle grades. It teaches students the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. Emphasis is placed on functions: linear, absolute value, quadratic, and exponential; and functions as explicit and recursive. Students will be taught the following properties of algebra to simplify expressions and solve equations: factoring, completing the square, rules of powers, and radicals. Since graphing is an important part of Algebra I with Probability, students will find points of intersection to solve equations and transform graphs of functions through translation, reflection, rotation, and dilation. Probability will also be covered in this course which will enhance students' ability to organize information and improve decision-making. Some of the probability topics include: quantitative literacy, visualizing and summarizing data, and conditional probabilities. This course serves as the cornerstone for all high school mathematics courses.

** NCAA Approved Course*

PRE-AP ALGEBRA I (02052E10PR)

10

YEAR LONG / 1 CREDIT

GRADES 10

REQUIRED PREREQUISITES: SUCCESSFUL COMPLETION OF GEOMETRY OR ADVANCED GEOMETRY

RECOMMENDED PREREQUISITES: PASSED ADVANCED GEOMETRY WITH A GRADE OF 80 OR HIGHER OR GEOMETRY WITH A GRADE OF 90 OR HIGHER

**Students who have completed Accelerated Math 7 and 8 in middle school may enroll in Advanced Algebra II w/ Statistics*

NO COURSE FEE REQUIRED

The Pre-AP Algebra 1 course is designed to deepen student's understanding of linear relationships by emphasizing patterns of change, multiple representations of functions and equations, modeling real world scenarios with functions, and methods for finding and representing solutions of equations and inequalities. Taken together, these ideas provide a powerful set of conceptual tools that students can use to make sense of their world through mathematics. This course focuses on the foundational algebraic knowledge and skills that matter most for college and career readiness.

** NCAA Approved Course*

ALGEBRA II WITH STATISTICS (02056G1000)

10 11

YEAR LONG / 1 CREDIT

GRADES 10-11

RECOMMENDED PREREQUISITES: SUCCESSFUL COMPLETION OF GEOMETRY AND ALGEBRA I OR ACCELERATED MATH 7 & 8

NO COURSE FEE REQUIRED

Algebra II with Statistics is designed to build students' algebra and graphing skills. Algebra II with Statistics teaches students how to graph functions, interpret graphs, and evaluate functions including quadratics, polynomial functions, exponential, logarithmic, radical, trigonometric (sine, cosine, tangent), and general piecewise functions. Students will be introduced to matrices, Data analysis, statistics, and probability which are topics that can be studied more in college careers. Algebra II with Statistics is required for all students to complete a high school diploma and for NCAA Athletes. This course is designed to help students learn content that is assessed on the ACT and SAT and is a general requirement for college admission.

** NCAA Approved Course*

PRE-AP ALGEBRA II (02056E10PR)

10 11

YEAR-LONG / 1 CREDIT

GRADES 10-11

REQUIRED PREREQUISITES: SUCCESSFUL COMPLETION OF ADVANCED GEOMETRY OR GEOMETRY AND ADVANCED ALGEBRA 1 WITH PROBABILITY OR ALGEBRA 1 WITH PROBABILITY OR ACCELERATED MATH 7 & 8.

RECOMMENDED PREREQUISITES: PASSED ADVANCED GEOMETRY AND ADVANCED ALGEBRA 1 WITH PROBABILITY WITH AN 80 OR HIGHER OR GEOMETRY AND ALGEBRA 1 WITH PROBABILITY WITH A 90 OR HIGHER.

NO COURSE FEE REQUIRED

In Pre-AP Algebra 2, students solidify and extend the understanding of functions and data analysis developed in prior courses. Students build upon linear, quadratic, and exponential functions as they work to define logarithmic, polynomial, rational, square root, cube root, and trigonometric functions. Quantitative literacy is developed by weaving data sets, contextual scenarios, and mathematical modeling throughout the course. The course creates more equitable opportunities for students to take AP STEM courses.

** NCAA Approved Course*

PRECALCULUS (02110G1000)

11 12

YEAR-LONG / 1 CREDIT

GRADES 11-12

REQUIRED PREREQUISITES: SUCCESSFUL COMPLETION OF ADVANCED ALGEBRA II WITH STATISTICS OR ALGEBRA II WITH STATISTICS

RECOMMENDED PREREQUISITES: PASSED ALGEBRA II WITH STATISTICS WITH A GRADE OF 75 OR HIGHER.

NO COURSE FEE REQUIRED

Precalculus is designed primarily for students interested in pursuing postsecondary programs of study. Precalculus builds on the content from Algebra II with Statistics, adding rational functions, all trigonometric functions, and general piecewise-defined functions to the families of functions considered. In addition to focusing on the families of functions, Precalculus takes a deeper look at functions as a system, both algebraically and graphically. Precalculus also expands on the study of trigonometry in previous courses and considers vectors and their operations.

** NCAA Approved Course*

AP PRECALCULUS (02110E1001)

11 12

YEAR-LONG / 1 CREDIT

GRADES 11-12

REQUIRED PREREQUISITES: SUCCESSFUL COMPLETION OF ADVANCED ALGEBRA II WITH STATISTICS OR ALGEBRA II WITH STATISTICS

RECOMMENDED PREREQUISITES: PASSED ADVANCED ALGEBRA II WITH STATISTICS WITH GRADE OF 80 OR HIGHER OR ALGEBRA II WITH STATISTICS WITH GRADE OF 90 OR HIGHER AND TEACHER RECOMMENDATION

COURSE FEE REQUIRED

AP Precalculus is designed primarily for students interested in pursuing postsecondary programs of study. AP Precalculus builds on the content from Algebra II with Statistics focusing on four units of function investigation: Polynomial and Rational, Exponential and Logarithmic, Trigonometric and Polar, and Functions Involving Parameters, Vectors, and Matrices. Students may earn college credit by passing the AP exam taken at the end of the year. Score requirements for credit are determined by individual colleges/universities. This course is intended to prepare students for AP Calculus or a Calculus course at their college or university, as well as other math and science courses.

** NCAA Approved Course*

APPLICATIONS OF FINITE MATHEMATICS (02136G1000)

12

YEAR-LONG / 1 CREDIT

GRADE 12

REQUIRED PREREQUISITES: ALGEBRA II WITH STATISTICS

NO COURSE FEE REQUIRED

Applications of Finite Mathematics is a logic-based course that introduces students to concepts that can apply to computer science, real world applications, and other fields. Applications of Finite students will study content varying from Circuits, Voting Methods, Spanning Trees, Fractals, and more. Students who are interested in postsecondary programs of study that do not require calculus (Elementary Education, English, technical certifications) would benefit from taking this discrete-based course. This course will meet the requirements for a fourth high school mathematics credit.

** NCAA Approved Course*

AP STATISTICS (02203E1000)

11 12

YEAR-LONG / 1 CREDIT

GRADES 11-12

REQUIRED PREREQUISITES: SUCCESSFUL COMPLETION OF ADVANCED ALGEBRA II WITH STATISTICS OR ALGEBRA II WITH STATISTICS AND TEACHER RECOMMENDATION.

COURSE FEE REQUIRED

In this course, students will learn about the major concepts and tools for collecting, analyzing, and drawing conclusions from data through discussion, activities, and simulation. The four broad themes include: Exploring and collecting data; Describing patterns, trends, associations, and relationships in data; Using probability and simulation to describe probability distributions and define uncertainty in statistical inference; and Using statistical reasoning to draw appropriate conclusions and justify claims. The course content is established by College Board and students may earn college credit equivalent to a one-semester, introductory, non-calculus-based college course in statistics by passing the AP exam taken at the end of the year. Score requirements for credit are determined by individual colleges/universities. Students that are interested in postsecondary programs of study that do not require calculus, such as nursing, business, and social science, could benefit from this course.

** NCAA Approved Course*

AP CALCULUS (AB LEVEL) (02124E1000)

11 12

YEAR-LONG / 1 CREDIT — GRADES 11-12

RECOMMENDED PREREQUISITES: SUCCESSFUL COMPLETION OF AP PRECALCULUS WITH AN 80 OR HIGHER OR PRECALCULUS WITH A 90 OR HIGHER AND A SCORE OF 22 OR HIGHER ON THE MATH PORTION OF THE ACT.

COURSE FEE REQUIRED

This course includes the intense study of differentiation and integration of algebraic, trigonometric, exponential, and logarithmic functions with applications. The course content is established by the College Board and students may earn college credit based on an AP exam taken at the end of the year. Score requirements for credit are determined by individual colleges/universities. Students and parents should be prepared for the rigor of the Advanced Placement curriculum; an extensive amount of outside work is required for this course.

** NCAA Approved Course*

AP CALCULUS (BC LEVEL) (02125E1000)

11 12

YEAR-LONG / 2 CREDITS CLASS OF 2025+ — GRADES 11-12

REQUIRED PREREQUISITES: SUCCESSFUL COMPLETION OF AP PRECALCULUS WITH A 90 OR HIGHER OR PRECALCULUS WITH A 90 OR HIGHER AND A SCORE OF 25 OR HIGHER ON THE MATH PORTION OF THE ACT.

LUNCH-STUDY COURSE

COURSE FEE REQUIRED

This course includes the intense study of the topics covered in AP Calculus AB: differentiation and integration of algebraic, trigonometric, exponential, and logarithmic functions with applications plus additional topics in differentiation and integration, specifically with respect to parametric, polar, and vector equations as well as series. The course content is established by the College Board and students may earn college credit based on an AP exam taken at the end of the year. Score requirements for credit are determined by individual colleges/universities. Students that are successful in the course will be ready to start Calculus III as a freshman.

** NCAA Approved Course*

CAREER MATHEMATICS (02153G1001)

12

YEAR-LONG / 1 CREDIT — GRADE 12

REQUIRED PREREQUISITES: SUCCESSFUL COMPLETION OF ALGEBRA II WITH STATISTICS

COUNSELOR APPROVAL REQUIRED

NO COURSE FEE

A one-credit course that provides students with the foundational knowledge and processes needed to apply mathematic concepts in a career setting. Emphasis is placed on financial applications as they relate to algebraic concepts. Concepts of measurement and entrepreneurial economics are also emphasized. This course is designed for non college bound students.

PROGRAMMING FOUNDATIONS (10152G1001)

9 10 11 12

YEAR-LONG / 1 MATH, 1 SCIENCE, OR 1 ELECTIVE OR CORE CREDIT — GRADES 9-12

RECOMMENDED PREREQUISITES: NONE

COURSE FEE REQUIRED

Programming Foundations introduces students to coding fundamentals through an approachable, block-based programming language. After sharpening their computational thinking skills, they will transition into text-based programming. They are introduced to the Python® programming language. The course engages students in computational thinking practices and collaboration strategies, as well as industry standard tools authentic to how computer science professionals work. Students will learn about professional opportunities in computer science and how computing can be an integral part of all careers today.

** NCAA Approved Course*

AP COMPUTER SCIENCE PRINCIPLES (10013G1000)

10 11 12

YEAR-LONG / 1 MATH, 1 SCIENCE, OR 1 ELECTIVE OR CORE CREDIT

GRADES 10 -12

RECOMMENDED PREREQUISITE: GEOMETRY AND TEACHER RECOMMENDATION

COURSE FEE REQUIRED

College-level advanced course following the curriculum established by the college board advanced placement (AP) program for computer science; focuses on the innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives; introduces students to the creative aspects of programming abstractions algorithms, large data sets, the Internet, cyber security concerns, and computing impacts.*For seniors who have completed Algebra II, this course can count as their final math course for graduation and this course can also be taken as an elective for qualified students.

** NCAA Approved Course*

AP COMPUTER SCIENCE A (10157E1000)

11 12

YEAR-LONG / 1 MATH, 1 SCIENCE, OR 1 ELECTIVE OR CORE CREDIT

GRADES 11- 12

REQUIRED PREREQUISITE: COMPLETION OF AP COMPUTER SCIENCE PRINCIPLES OR TEACHER RECOMMENDATION REQUIRED

COURSE FEE REQUIRED

AP Computer Science A is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP CSA course curriculum is compatible with many CS1 courses in colleges and universities. *For seniors who have completed Algebra II, this course can count as their final math course for graduation and this course can also be taken as an elective for qualified students.

** NCAA Approved Course*

SCIENCE DEPARTMENT

SCIENCE COURSE OPTIONS BY GRADE LEVEL		
9th Grade Options:	Biology	(03051G1000)
	Pre-AP Biology	(03051E1000)
	AP Biology Research and Design in Biology (Lab)	(03056E10P2) (03097G1000)
10th Grade Options:	Chemistry	(03101G1000)
	Pre-AP Chemistry	(03101E1000)
	AP Chemistry Research and Design in Chemistry (Lab)	(03106E10P2) (03108G10DB)
	AP Biology Research and Design in Biology (Lab)	(03056E10P2) (03097G1000)
	Physics	(03151G1000)
	AP Physics 1 with APC: Mechanics Extension AND Research and Design in Physics (Lab)	(03165E10P2) (03162G10DB)
	Physical Science	(03159G1000)
11th Grade Options:	Any AP Science Course	
	Anatomy and Physiology	(03053E1000)
	Environmental Science	(03003G1000)
	Earth & Space Science	(03008G1000)
	Any Computer Science Course	
	Any Physical Science*	
12th Grade Options:	Any AP Science Course	
	Anatomy and Physiology	(03053E1000)
	Environmental Science	(03003G1000)
	Earth & Space Science	(03008G1000)
	Any Computer Science Course	
	Any Physical Science*	

*** Physical science courses include any level of Chemistry, Physics or Physical Science**

SCIENCE COURSE TIERS

TIER I SCIENCE COURSES	TIER II SCIENCE COURSES	TIER III SCIENCE COURSES
• AP Biology • AP Chemistry • AP Environmental • AP Physics 1 • AP Physics 2 • AP Physics C: Mechanics • AP Physics C: Electricity & Magnetism	• Pre-AP Biology • Pre-AP Chemistry • Physics • AP Computer Science Principles • AP Computer Science A	• Anatomy and Physiology • Biology • Chemistry • Environmental Science • Earth and Space • Physical Science • Programming Foundations

All students shall earn the required four science credits for the Alabama High School Diploma. Two credits must include:

- A life science - (any level of Biology)
- A physical science - (which may include any level of Chemistry, Physics, or Physical Science)
- Any other two science courses of their choice to fulfill the requirements.

THE COURSES LISTED BELOW MAY BE USED TO FULFILL A STUDENT'S FOURTH CREDIT IN MATHEMATICS OR SCIENCE:

- 10019E1000 Computer Science Principles, AP
- 10157E1000 Computer Science A, AP (teacher recommendation required)
- 10152G1001 Programming Foundations

BIOLOGY (03051G1000)

9

YEAR-LONG / 1 CREDIT

GRADE 9

RECOMMENDED PREREQUISITES: NONE

COURSE LAB FEE REQUIRED

This life science course is designed to teach students about living organisms and vital processes. Topics to be covered include scientific skills, biochemistry, cellular biology, genetics, taxonomy, evolution, and ecological systems. The course will include laboratory activities and experiments designed to reinforce the course content. This course aligns with the state course of study requirements for science.

** NCAA Approved Course*

PRE-AP BIOLOGY (03051E1000)

9

YEAR-LONG / 1 CREDIT

GRADE 9

REQUIRED PREREQUISITE: TEACHER RECOMMENDATION

COURSE LAB FEE REQUIRED

Students who are in Advanced Biology are encouraged to continue with future AP-level science. This course covers all the concepts taught in Biology, but in more depth and at a more rigorous pace. The course work is planned so that laboratory and student-produced activities are an additional means of enhancing information, and it follows the Pre-AP Bio curriculum through College Board.

** NCAA Approved Course*

AP BIOLOGY (03056E10P2)
RESEARCH AND DESIGN IN BIOLOGY (LAB) (03097G1000)

9 10 11 12

YEAR-LONG / 2 CREDITS

GRADES 9-12

RECOMMENDED PREREQUISITE: SUCCESSFUL COMPLETION OF ADVANCED BIOLOGY OR TEACHER APPROVAL

LUNCH-STUDY COURSE (2 CREDITS)

AP SCIENCE LAB FEE REQUIRED

AP Biology is a college level course recommended for students interested in medicine, health-related careers, and life science majors. The course content is established by the College Board and students may earn college credit based on an AP exam taken at the end of the year. Score requirements for credit are determined by individual colleges/universities. Students and parents should be prepared for the rigor of the Advanced Placement curriculum with its extensive amount of reading and independent learning. There are 8 units covering the AP Biology Curriculum with emphasis placed on integrating knowledge, principles, and processes of biology across units and understanding how hypotheses are generated, biological information is collected and analyzed leading to biologically supported conclusions and predictions. An understanding that science is a human endeavor with social consequences is emphasized throughout the course.

** NCAA Approved Course*

ENVIRONMENTAL SCIENCE (03003G1000)

11 12

YEAR-LONG / 1 CREDIT

GRADES 11-12

RECOMMENDED PREREQUISITE: BIOLOGY AND A PHYSICAL SCIENCE (PHYSICAL SCIENCE, CHEMISTRY OR PHYSICS)

COURSE LAB FEE REQUIRED

Introduction to basic terms and concepts of environmental science. This course will focus on human activities that degrade our environment and reduce biodiversity through pollution and climate change. Examples of these activities include energy extraction, agriculture and forestry. Special focus will be given to these issues and potential solutions at the state and national levels. College preparatory skills such as ACT and science writing are embedded in the course. This course satisfies the state requirements of a life science course.

** NCAA Approved Course*

AP ENVIRONMENTAL SCIENCE (03207E1000)

11 12

YEAR-LONG / 1 CREDIT

GRADES 11-12

RECOMMENDED PREREQUISITE: ADVANCED BIOLOGY, ADVANCED CHEMISTRY, OR ADVANCED PHYSICS

LUNCH-STUDY COURSE (1 CREDIT)

AP SCIENCE LAB FEE REQUIRED

AP Environmental is a college level course recommended for students who plan to major in an applied science field. This 9-unit course uses concepts of ecology, chemistry, physics, and earth science to weigh the economic, societal, and environmental effects of human activities such as mining, food production, energy use, water use and global change. The course content is established by the College Board and students may earn college credit based on an AP exam taken at the end of the year. Score requirements for credit are determined by individual colleges/universities. Students and parents should be prepared for the rigor of the AP curriculum with an extensive amount of reading and independent learning.

** NCAA Approved Course*

CHEMISTRY (03101G1000)

10 11 12

YEAR-LONG / 1 CREDIT

GRADES 10-12

RECOMMENDED PREREQUISITE: SUCCESSFUL COMPLETION OF ALGEBRA I OR CONCURRENT ENROLLMENT

COURSE LAB FEE REQUIRED

This is a laboratory course designed to help students see how chemical principles and concepts are developed from experimental observations and data. The student should be able to master certain skills, such as writing formulas, solving mole problems, and predicting reactions. This course satisfies the state requirements of a physical science course.

** NCAA Approved Course*

PRE-AP CHEMISTRY (03106E05PR)

10 11 12

YEAR-LONG / 1 CREDIT

GRADES 10-12

RECOMMENDED PREREQUISITE: SUCCESSFUL COMPLETION OF ALGEBRA I OR CONCURRENT ENROLLMENT

COURSE LAB FEE REQUIRED

As stated in the College Board Pre-AP Chemistry curriculum guide, Pre-AP courses allow students to focus on the most essential and relevant concepts and skills. Students have opportunities to engage deeply with texts, sources, and data as well as compelling higher order questions and problems. Pre-AP Chemistry is designed as an enrichment course, emphasizing the same basic concepts as the general chemistry course, but extending them in depth and scope. In addition to the regular requirements, the advanced course requires more mathematical problem solving and independent study. This course serves as the science prerequisite to all AP science courses.

AP CHEMISTRY (03106E10P2)
RESEARCH AND DESIGN IN CHEMISTRY (LAB) (03108G10DB)

10 11 12

YEAR-LONG / 2 CREDITS

GRADES 10-12

RECOMMENDED PREREQUISITE: TEACHER RECOMMENDATION OR SUCCESSFUL COMPLETION OF ANY PRE-AP OR AP SCIENCE COURSE; CURRENT ENROLLMENT IN ALGEBRA II OR HIGHER-LEVEL MATH COURSE.

LUNCH-STUDY COURSE (2 CREDITS)

AP SCIENCE LAB FEE REQUIRED

AP Chemistry is a college-level course recommended for student interested in medicine, engineering, or science. The course content is established by the College Board and students may earn college credit based on an AP exam taken at the end of the year. Score requirements for credit are determined by individual colleges and universities. Students and parents should be prepared for the rigor of the AP curriculum and some degree of independent learning. Emphasis is placed on laboratory exercises. The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as atomic structure and properties, compound structure and properties, properties of substances and mixtures, chemical reactions, kinetics, thermochemistry, equilibrium, acids and bases, thermodynamics, and electrochemistry. The course is designed to enable students to view chemical phenomena through a variety of conceptual lenses, and at various levels: macroscopic, microscopic, sub-microscopic, and symbolic.

** NCAA Approved Course*

ANATOMY AND PHYSIOLOGY (03053E1000)

11 12

YEAR-LONG / 1 CREDIT

GRADES 11-12

RECOMMENDED PREREQUISITE: CHEMISTRY OR BIOLOGY

COURSE LAB FEE REQUIRED

This is a rigorous science course that covers the structure and functions of the various organ systems of the human body. Hands on laboratory activities & dissections are included in this course. This course is recommended for those students who plan to pursue a career in health-related sciences in college, especially for those who are interested in the medical field. This course aligns with the state course of study requirements, and this course the state requirements of a life science course.

** NCAA Approved Course*

PHYSICAL SCIENCE (03159G1000)

10

YEAR-LONG / 1 CREDIT — GRADE 10

RECOMMENDED PREREQUISITE: NONE

COURSE LAB FEE REQUIRED

Physical Science is a conceptual, inquiry-based course that provides students with an investigation of the basic concepts of chemistry and physics. Students use evidence from their own investigations as well as the investigations of others to develop and refine knowledge of core ideas. The standards provide a depth of conceptual understanding that will adequately prepare them for college, career, and citizenship with an appropriate level of scientific literacy.

** NCAA Approved Course*

EARTH & SPACE SCIENCE (03008G1000)

11 12

YEAR-LONG / 1 CREDIT — GRADES 11-12

RECOMMENDED PREREQUISITE: BIOLOGY AND A PHYSICAL SCIENCE (PHYSICAL SCIENCE, CHEMISTRY OR PHYSICS)

COURSE LAB FEE REQUIRED

This course will emphasize the laboratory application and field study of biological, chemical, and physical principles to the study of selected topics in astronomy, meteorology, geology, oceanography, and associated sciences. Students should be able to apply mathematical skills and computations.

** NCAA Approved Course*

PHYSICS (03151G1000)

10 11 12

YEAR-LONG / 1 CREDIT — GRADES 10 -12

RECOMMENDED PREREQUISITE: SUCCESSFUL COMPLETION OF ALGEBRA I OR HIGHER-LEVEL MATH COURSE

COURSE LAB FEE REQUIRED

Physics is an algebra-based, introductory physics course that focuses on conceptual understanding of topics such as motion (constant velocity, uniform acceleration, and projectile motion), balanced and unbalanced forces, energy transformations, linear momentum, and waves and their applications. Inquiry-based and project-based instruction will allow students to learn through hands-on lab experimentation. This course is designed for the student who enjoys hands-on activities but has not yet mastered the required mathematical skills for AP Physics. This course also satisfies the state requirements of a physical science course.

** NCAA Approved Course*

AP PHYSICS 1 (03165E10P2) WITH APC: MECHANICS EXTENSION AND RESEARCH AND DESIGN IN PHYSICS (LAB) (03162G10DB)

10 11 12

YEAR-LONG/ 2 CREDITS — GRADES 10 -12

RECOMMENDED PREREQUISITES: COMPLETION OR CONCURRENT ENROLLMENT IN ALGEBRA II OR HIGHER-LEVEL MATH COURSE

LUNCH-STUDY COURSE (2 CREDITS)

AP SCIENCE LAB FEE REQUIRED

This is a rigorous double-period college-level course recommended for students interested in medicine, engineering, or any other STEM-related field. The course content is established by the College Board and students may earn college credit based on an AP exam taken at the end of the year. Score requirements for credit are determined by individual colleges and universities. Students and parents should be prepared for the rigor of the AP curriculum. AP Physics 1 is an algebra-based physics course that explores topics of Newtonian mechanics (including forces, linear motion, projectile motion, uniform circular motion, simple harmonic motion and rotational motion); work, energy, and power; linear and angular momentum, and fluid mechanics. Inquiry-based learning and extensive laboratory experiments are used to help students develop science reasoning skills.

** NCAA Approved Course*

AP PHYSICS C: MECHANICS (03164E1000) AND INDEPENDENT STUDY COURSE (1 CREDIT)

11 12

YEAR-LONG / 1 CREDIT

GRADES 11-12

RECOMMENDED PREREQUISITES: COMPLETION OR CONCURRENT ENROLLMENT IN AP CALCULUS

COURSE LAB FEE REQUIRED

This is a college-level, independent-study course. AP Physics C: Mechanics is a calculus-based introductory physics course. It is designed to prepare students for the AP Physics C: Mechanics Exam. The course content is established by the College Board and students may earn college credit based on an AP exam taken at the end of the year. Score requirements for credit are determined by individual colleges and universities. The Physics C: Mechanics course is equivalent to a one-semester, calculus-based, college-level physics course and is especially appropriate for students planning to specialize or major in engineering or one of the physical sciences. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus are used throughout the course. At HTHS, this course is typically taken as an optional, embedded extension for AP Physics 1 students.

** NCAA Approved Course*

AP PHYSICS 2 (03166E1000)

11 12

YEAR-LONG / 1 CREDIT

GRADES 11-12

REQUIRED PREREQUISITES: SUCCESSFUL COMPLETION OF AP PHYSICS 1

AP SCIENCE LAB FEE REQUIRED

This is a college-level course recommended for students interested in medicine, engineering, or science. The course content is established by the College Board and students may earn college credit based on an AP exam taken at the end of the year. Score requirements for credit are determined by individual colleges and universities. AP Physics 2 is an algebra-based course that explores topics such as thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; waves and sound; and modern physics. Inquiry-based learning and extensive laboratory experiments are used to help students further develop science reasoning skills.

** NCAA Approved Course*

AP PHYSICS C: ELECTRICITY AND MAGNETISM (03163E1000) INDEPENDENT STUDY COURSE

11 12

YEAR-LONG / 1 CREDIT

GRADES 11-12

REQUIRED CO-REQUISITE: COMPLETION OR CONCURRENT ENROLLMENT IN CALCULUS

AP SCIENCE LAB FEE REQUIRED

This is a rigorous college-level course recommended for students interested in engineering or science. The course content is established by the College Board and students may earn college credit based on an AP exam taken at the end of the year. Score requirements for credit are determined by individual colleges and universities. Students and parents should be prepared for the rigor of the AP curriculum and independent learning. The course explores topics of Electric Charges, Fields, and Gauss's Law; Electric Potential; Conductors and Capacitors; Electric Circuits; Magnetic Fields and Electromagnetism; and Electromagnetic Induction. Introductory differential and integral calculus are used throughout the course.

** NCAA Approved Course*

PROGRAMMING FOUNDATIONS (10152G1001)

9 10 11 12

YEAR-LONG / 1 MATH, OR 1 SCIENCE, OR 1 ELECTIVE CREDIT

GRADES 9 -12

REQUIRED PREREQUISITE: NONE

COURSE FEE REQUIRED

Programming Foundations introduces students to coding fundamentals through an approachable, block-based programming language. After sharpening their computational thinking skills, they will transition into text-based programming. They are introduced to the Python® programming language. The course engages students in computational thinking practices and collaboration strategies, as well as industry standard tools authentic to how computer science professionals work. Students will learn about professional opportunities in computer science and how computing can be an integral part of all careers today.

** NCAA Approved Course*

AP COMPUTER SCIENCE PRINCIPLES (10013G1000)

10 11 12

YEAR-LONG / 1 MATH, OR 1 SCIENCE, OR 1 ELECTIVE CREDIT

GRADES 10 -12

RECOMMENDED PREREQUISITE: GEOMETRY AND TEACHER RECOMMENDATION

COURSE FEE REQUIRED

AP Computer Science Principles is a college-level course following the curriculum established by the College Board advanced AP program for computer science. It focuses on the innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives. The course also introduces students to the creative aspects of programming abstractions algorithms, large data sets, the Internet, cyber security concerns, and computing impacts. **NOTE:** For seniors who have completed Algebra II, this course can count as their final math course for graduation, *or* this course can be taken as an elective for qualified students.

** NCAA Approved Course*

AP COMPUTER SCIENCE A (10157E1000)

11 12

YEAR-LONG / 1 MATH, OR 1 SCIENCE, OR 1 ELECTIVE CREDIT

GRADES 11-12

REQUIRED PREREQUISITE: COMPLETION OF AP COMPUTER SCIENCE PRINCIPLES OR TEACHER RECOMMENDATION REQUIRED

COURSE FEE REQUIRED

AP Computer Science A is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP CSA course curriculum is compatible with many CS1 courses in colleges and universities. **NOTE:** For seniors who have completed Algebra II, this course can count as their final math course for graduation, *or* this course can be taken as an elective for qualified students.

** NCAA Approved Course*

SOCIAL STUDIES DEPARTMENT

SOCIAL STUDIES COURSE OPTIONS BY GRADE LEVEL		
9th Grade Options:	World History 1500 to Present	(04053G1000)
	AP World History	(04057E1000)
10th Grade Options:	US History I	(04102G1000)
	AP US History	(04104E1000)
11th Grade Options:	US History II	(04103G1000)
IMPORTANT NOTE FOR STUDENTS WHO COMPLETED AP US HISTORY IN 10TH GRADE: Instead of taking US History II for 11th Grade, students who have already taken and passed AP US History will choose one of the AP Electives to fulfill their 11th-grade social studies requirement.		
12th Grade Options:	Government *0.5 credit / Semester Course	(04151G0500)
	Economics *0.5 credit / Semester Course	(04201G0500)
	AP Government & Politics *0.5 credit / Semester Course	(04157E1000)
	AP Economics *0.5 credit / Semester Course	(04202E1000)
Elective Options 10th-12th:	AP European History	(04056E1000)
	AP Human Geography	(04004E1000)
	AP Psychology	(04256E1000)
	AP World History	(04057E1000)

SOCIAL STUDIES DEPARTMENT

Welcome to the High School Social Studies curriculum at Hewitt-Trussville High School. Our curriculum is designed to foster critical thinking, promote civic engagement, and provide students with a deep understanding of historical events, cultural diversity, and the principles of government.

Through engaging and interactive lessons, students will explore the rich tapestry of human history, from ancient civilizations to contemporary global issues. They will analyze primary sources, debate conflicting perspectives, and develop the skills necessary to become informed and active citizens in our democratic society.

Our curriculum is aligned with Alabama State Standards, ensuring that students acquire the knowledge and skills essential for success in college, careers, and civic life. By examining the past, students will gain insights into the complexities of the present and develop the tools to shape the future.

Throughout their journey in high school social studies, students will explore key themes such as:

- Historical Inquiry and Analysis: Investigating primary and secondary sources to construct well-supported arguments about historical events and developments.
- Civic Participation and Responsibility: Understanding the rights, responsibilities, and obligations of citizenship in a diverse and interconnected world.
- Cultural Diversity and Global Awareness: Recognizing and appreciating the contributions of diverse peoples and cultures to human history and society.
- Economic Literacy: Exploring fundamental economic concepts and principles to understand the dynamics of markets, trade, and globalization.

Our dedicated educators are committed to providing students with engaging and rigorous instruction that prepares them for success in the 21st century. Together, we will embark on a journey of discovery, inquiry, and growth as we explore the past, understand the present, and envision the future.

WORLD HISTORY 1500 TO PRESENT (04053G1000)

9
GRADE 9

YEAR-LONG / 1 CREDIT
RECOMMENDED PREREQUISITES: NONE
NO COURSE FEE REQUIRED

World History: 1500 to the Present is the required study of world history for students in the ninth grade. The course is organized chronologically with content topics that focus on critical issues in history during recent times. Students study and analyze global issues regarding politics, economics, society, and the environment.

** NCAA Approved Course*

AP WORLD HISTORY (04057E1000)

9 10 11 12
GRADE 9 AS CORE CREDIT
GRADES 10-12 AS ELECTIVE CREDIT

YEAR-LONG / 1 CREDIT
RECOMMENDED PREREQUISITES: TEACHER APPROVAL
NO COURSE FEE REQUIRED

AP World History focuses on developing students' abilities to think conceptually about world history from approximately 8000 BCE to the present and apply historical thinking skills as they learn about the past. Five themes of equal importance — focusing on the environment, cultures, state-building, economic systems, and social structures — provide areas of historical inquiry for investigation throughout the course. AP World History encompasses the history of the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and processes that cross multiple regions.

** NCAA Approved Course*

US HISTORY I (04102G1000)

10

YEAR-LONG / 1 CREDIT

GRADE 10

RECOMMENDED PREREQUISITES: NONE

NO COURSE FEE REQUIRED

U S History to 1877 is the required study of history for the tenth grade. This course involves the study of the earliest peoples and their progress through the creation of Colonial America, the Civil War, and Reconstruction. The geography, economics, government, and literature of this time frame will be stressed using a chronological survey of major issues, movements, people, and events in Alabama as well as United States history.

** NCAA Approved Course*

AP US HISTORY (04104E1000)

10

YEAR-LONG / 1 CREDIT

GRADE 10

RECOMMENDED PREREQUISITE: SUCCESSFUL COMPLETION OF ADVANCED US HISTORY I AND/OR GOOD ACADEMIC STANDING IN ADVANCED OR AP WORLD HISTORY

COURSE FEE REQUIRED

This is a college level course designed to provide students with the analytical skills and factual knowledge necessary to deal critically with events and themes in United States history. Students will learn to assess historical documents, weigh evidence, analyze interpretations of events, and write scholarly analyses of historical information. Well-developed writing and reading comprehension skills are necessary for success. Students will take the AP U S History exam at the end of the course, and a score of 3 or better on the AP exam may earn college credit.

** NCAA Approved Course*

US HISTORY II (04103G1000)

11

YEAR-LONG / 1 CREDIT

GRADE 11

RECOMMENDED PREREQUISITES: NONE

NO COURSE FEE REQUIRED

U S History 1877 to Present is the required study of history for the eleventh grade. This course focuses on critical issues and events that encompass historic, geographic, economic, and political literacy. The 20th century is examined through a variety of critical thinking and writing exercises. Relevant Alabama history and world geography are incorporated in the course.

** NCAA Approved Course*

AP EUROPEAN HISTORY (04056E1000)

10 11 12

YEAR-LONG / 1 CREDIT

GRADE 11 AS CORE CREDIT

RECOMMENDED PREREQUISITES: SUCCESSFUL COMPLETION OF AP U.S. HISTORY

GRADE 12 AS ELECTIVE CREDIT

COURSE FEE REQUIRED

In AP European History, students investigate significant events, individuals, developments, and processes from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world, economic and commercial development, cultural and intellectual development, states and other institutions of power, social organization and development, national and European identity, and technological and scientific innovations. AP European History is designed to be the equivalent of an introductory college or university survey of modern European history.

** NCAA Approved Course*

AP HUMAN GEOGRAPHY (04004E1000)

10 11 12

YEAR-LONG / 1 CREDIT

GRADES 10 -12 AS ELECTIVE CREDIT

RECOMMENDED PREREQUISITES: SUCCESSFUL COMPLETION OF AP U.S. HISTORY

COURSE FEE REQUIRED

AP Human Geography introduces high school students to college-level introductory human geography or cultural geography. The content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human–environment relationships on places, regions, cultural landscapes, and patterns of interaction. The goal for the course is for students to become more geoliterate, more engaged in contemporary global issues, and more informed about multicultural viewpoints. They will develop skills in approaching problems geographically, using maps and geospatial technologies, thinking critically about texts and graphic images, interpreting cultural landscapes, and applying geographic concepts such as scale, region, diffusion, interdependence, and spatial interaction, among others. Students will see geography as a discipline relevant to the world in which they live; as a source of ideas for identifying, clarifying, and solving problems at various scales; and as a key component of building global citizenship and environmental stewardship.

For more information about this course see this video : https://www.youtube.com/shorts/jjp3Kp30sJY

** NCAA Approved Course*

GOVERNMENT (04151G0500) AND ECONOMICS* (04201G0500)

12

SEMESTER / .5 CREDIT

GRADE 12

RECOMMENDED PREREQUISITE: NONE

NO COURSE FEE REQUIRED

PAIRED TOGETHER IN SCHEDULE

Career Preparedness B will be added to schedule if requirement has not been previously met. (22153G0522)

American Government and Economics are required of all twelfth-grade students. Each course is one semester in length.

The American Government course is oriented towards developing students who can participate effectively in civic life in America. Towards this end, students will examine a variety of topics to include fundamental constitutional principles; the organization of the national government; the rights and responsibilities of citizenship; the policy-making process; political parties and elections, and civil liberties. Students will be asked to apply their understanding of government concepts to the analysis of contemporary foreign and domestic issues. Throughout the course, students will work to develop the reading and writing skills emphasized in the Career and College Ready Standards.

Economics incorporates both micro and macroeconomic principles and theory. Emphasis is given to the dynamic forces at work in the economic system of the United States. Through their study of American economic structure, students will acquire an appreciation of the opportunities provided by the free enterprise system. A broad conceptual approach to the study of economics is mandated for this course.

Civics exam requirement effective 2018-2019 school year. Students are required to earn a passing score of 60 or higher on the Civics Exam, this exam is generally administered by a US Government instructor in a Government course.

** NCAA Approved Course*

AP GOVERNMENT & POLITICS (04157E1000)
AP ECONOMICS (04202E1000)

12

SEMESTER / .5 CREDIT

GRADE 12

RECOMMENDED PREREQUISITE: SUCCESSFUL COMPLETION OF AP U S HISTORY

COURSE FEE REQUIRED

PAIRED TOGETHER IN SCHEDULE

American Government and Economics are required of all twelfth-grade students. Each course is one semester in length.

Career Preparedness B will be added to schedule if requirement has not been previously met. (22153G0522)

The course content is established by the College Board and students may earn college credit based on an AP exam taken at the end of the year. Score requirements for credit are determined by individual colleges/universities. Students and parents should be prepared for the rigor of the Advanced Placement curriculum; an extensive amount of outside reading and writing is required for each of these courses. These courses are taught simultaneously throughout the entire school year resulting in a total of .50 credit for each course.

AP American Government & Politics is designed to provide students with an in-depth understanding of the American political system with emphasis on current government policies and issues. Students are expected to analyze information and apply it to current issues and situations.

AP Economics places emphasis on macroeconomic principles and theory and the application of these in a classroom situation. Critical and analytical thinking skills are emphasized.

Civics exam requirement effective 2018-2019 school year. Students are required to earn a passing score of 60 or higher on the Civics Exam, this exam is generally administered by a US Government instructor in a Government course.

** NCAA Approved Course*

AP PSYCHOLOGY (04256E1000)

10 11 12

YEAR-LONG/ 1 CREDIT

GRADES 10-12

RECOMMENDED PREREQUISITES: NONE

COURSE FEE REQUIRED

AP Psychology is designed to introduce students to the scientific study of behavior and mental processes of humans and other animals. The course provides instruction in each of the following fourteen content areas: History and Approaches, Research Methods, Biological Bases of Behavior, Sensation and Perception, States of Consciousness, Learning, Cognition, Motivation and Emotion, Developmental Psychology, Personality, Testing and Individual Differences, Abnormal Psychology, Treatment of Psychological Disorders, and Social Psychology. This course includes lecture, discussion, research, guest speakers, field trips, and requires higher level thinking and advanced reading and writing skills. The course content is established by the College Board and students may earn college credit based on a student's score on an AP exam at the end of the year. Score requirements for credit are determined by individual colleges/ universities

** NCAA Approved Course*

CAREER PREPAREDNESS

CAREER PREPAREDNESS (22153G1000)
ZERO PERIOD CAREER PREPAREDNESS (22153G1000)

10 11 12

YEAR-LONG / 1 CREDIT

GRADE 10-12

NO COURSE FEE REQUIRED

This state required course prepares students with content knowledge and skills in the areas of career development and academic planning, computer skill application, and financial literacy. Also, this course is designed to meet the required 20-hour Online experience.

CAREER PREPAREDNESS A - IN PERSON CLASS (22153G0512)

9 10 11 12

SEMESTER /.5 CREDIT

GRADE 9 - 12

NO COURSE FEE REQUIRED

A one-half credit course that is taught in grades 9-12. Career Preparedness focuses on three integrated areas of instruction: academic planning and career development, financial literacy, and technology. Course content includes college and career preparation, computer literacy skills, and personal finance. Technology topics are interwoven throughout course instruction. These standards are designed to provide a strong foundation for student acquisition of the skills, attitudes, and knowledge that enable them to achieve success in school, at work, and across the life span. Other topics addressed in Career Preparedness are business and industry, continuing education, and lifelong learning. Partnerships and alliances between educational institutions, governmental entities and employers can support these standards and connect students to potential career opportunities. This course is a prerequisite to Career Preparedness-B.

ZERO PERIOD SCHOOL CAREER PREPAREDNESS A (NEED CODE)
SUMMER SCHOOL CAREER PREPAREDNESS A (NEED CODE)

9 10 11 12

SEMESTER /.5 CREDIT

GRADE 9-12

NO COURSE FEE REQUIRED

See Career Preparedness A description above.

CAREER PREPAREDNESS B (22153G0522)
ZERO PERIOD CAREER PREPAREDNESS B (22153G0522)

10 11 12

SEMESTER /.5 CREDIT

GRADE 10-12

NO COURSE FEE REQUIRED

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

PHYSICAL EDUCATION AND ATHLETICS

No more than one P.E. course may be taken in a school year. Only one P.E. course per year may be counted towards AHSAA (athletic) eligibility. Every course listed in this section counts as a P.E. course except Health and Driver Education.

BEGINNING KINESIOLOGY (08017G10AA)

9 10 11 12
GRADES 9 – 12

YEAR-LONG/1 CREDIT

RECOMMENDED PREREQUISITES: NONE

LOCKER FEE REQUIRED

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

BEGINNING KINESIOLOGY ONLINE (08017G10OL)

9 10 11 12
GRADES 9 – 12

YEAR-LONG/1 CREDIT

RECOMMENDED PREREQUISITES: NONE

NO FEE REQUIRED

**This course must be taken with non-sanctioned high school sports*

Beginning Kinesiology is the physical education course required for graduation. It is a stand-alone course which encompasses the basic concepts of athletics and fitness; it also introduces students to the basic physiological, psychological, sociological, and mechanical principles of human movement. Students will be empowered to make choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime. It is highly recommended that students take Beginning Kinesiology in Grade 9. It is the prerequisite for all physical education elective courses. This course must be taken with non- sanctioned high school sports which includes Lacrosse and Mountain Biking.

TEAM SPORTS (08003G10LF)

10 11 12
GRADES 10 – 12

YEAR-LONG/1 CREDIT

REQUIRED PREREQUISITES: BEGINNING KINESIOLOGY

FEE REQUIRED

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

TEAM SPORTS (08003G10LF)

10 11 12

SEMESTER-LONG/ .50 CREDIT

GRADES 10 – 12

REQUIRED PREREQUISITES: BEGINNING KINESIOLOGY

FEE REQUIRED

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

WEIGHT TRAINING
WEIGHT TRAINING BASEBALL (08005G10BB)
WEIGHT TRAINING BASKETBALL BOYS (08005G10BK)
WEIGHT TRAINING BASKETBALL GIRLS (08005G10GB)
WEIGHT TRAINING FOOTBALL (08005G10FB)
WEIGHT TRAINING SOFTBALL (05G10SB800)

10 11 12

YEAR-LONG/1 CREDIT

GRADES 10 – 12

REQUIRED PREREQUISITES: LIFE COURSE

FEE REQUIRED

This class is designed for students who would like to learn the proper techniques and exercise routines to attain their physical goals. This class would also use different conditioning techniques to help achieve a well-balanced physical workout. Class will be conducted using the HTHS weight room and the Field-house weight room. The state physical fitness test is part of this course's requirements.

STRENGTH AND CONDITIONING SEMESTER 1 (08005G10S1)
STRENGTH AND CONDITIONING SEMESTER 2 (08005G10S2)

10 11 12

SEMESTER-LONG/ .50 CREDIT

GRADES 10 – 12

REQUIRED PREREQUISITES: BEGINNING KINESIOLOGY

NO FEE REQUIRED

This course will give students the tools and resources needed to be physically fit and healthy for a lifetime. This course is a stand-alone course open to all students. It is not part of, nor may it be combined with varsity athletics. Students will be scheduled in class sections by gender or as designated by instructor.

STRENGTH AND CONDITIONING (08005G10F1)

11 12

YEAR-LONG/ 1 CREDIT

GRADES 11 – 12

REQUIRED PREREQUISITES: BEGINNING KINESIOLOGY

NO FEE REQUIRED

This course will give students the tools and resources needed to be physically fit and healthy for a lifetime. This course is a stand-alone course open to all students. It is not part of, nor may it be combined with varsity athletics. Students will be scheduled in class sections by gender or as designated by instructor.

NCAA INFORMATION FOR PROSPECTIVE COLLEGE STUDENT ATHLETES
NCAA CONTACT INFORMATION FOR HTHS: HEATHER WINSHIP

All prospective student-athletes intending to enroll in an NCAA Division I or II institution must register with the NCAA Eligibility Center. Please visit www.ncaa.org for detailed information and instructions. All courses approved by the NCAA as core courses are designated with the following symbol.

Student athletes must earn at least a minimum 2.3 core GPA to be eligible.

AHSAA
ALABAMA HIGH SCHOOL ATHLETIC ASSOCIATION
TRADITIONAL STUDENT:

Students entering the 10th and 11th and 12th grades must have passed during the last two semesters in attendance and summer school, if applicable, at least six new Carnegie units with a minimum composite numerical average of 70 in those six units. Four core curriculum courses must be included in those units passed and averaged. (English, Math, Science and Social Studies are core curriculum courses. Any combination of these courses is accepted.) Any student that accumulates more than four units of core courses during the next school year and be eligible as long as the students remains on track for graduation with his/her class.

Students entering the 8th and 9th grades must have passed during the last two semesters in attendance and summer school, if applicable, at least five new subjects with a minimum composite numerical average of 70 in those five subjects and must have been promoted to the next grade level.

Additional guidelines and information can be reviewed in detail by clicking the link below to the:

AHSAA 24-25 HANDBOOK

NON-TRADITIONAL STUDENTS "TIM TEBOW":

Non-traditional students will adhere to all AHSAA rules applicable to academic accountability. Home School Students will be required to submit four core course grades from their home school program to the school at the end of the school year for academic eligibility beginning with grade 7 through the end of the first semester in grade 12. Note: All electives must be taken through the school. Only core courses may be accepted from the home school program. Home School Students (9-12) must: Enroll in two electives through the school. For detailed up-to-date information, refer to the current AHSAA Handbook regarding Home School Students and Academic Accountability.

ATHLETIC PROGRAMS

Students have an opportunity to try out for the following organized sports programs: football, baseball, basketball, volleyball, softball, soccer, tennis, wrestling, cross country, track, cheerleading, swimming, and golf.

COURSE NAME	COURSE #	LENGTH/CREDIT	PREREQUISITE
BASEBALL	08013G10	YEAR-LONG / 1 CREDIT	COACH APPROVAL
BASKETBALL	08013G10BA	YEAR-LONG / 1 CREDIT	COACH APPROVAL
BOWLING	08015G10	YEAR-LONG / 1 CREDIT	COACH APPROVAL
CHEERLEADER	08006G10	YEAR-LONG / 1 CREDIT	COACH APPROVAL
CROSS COUNTRY	08013G10C2	YEAR-LONG / 1 CREDIT	COACH APPROVAL
FOOTBALL	08013G10VF	YEAR-LONG / 1 CREDIT	COACH APPROVAL
GOLF	08013G10H5	YEAR-LONG / 1 CREDIT	COACH APPROVAL
LACROSSE	22994X10S5	YEAR-LONG / 1 CREDIT	COACH APPROVAL
MOUNTAIN BIKING	22994X10SR	YEAR-LONG / 1 CREDIT	COACH APPROVAL
SOCCER	08013G10S2	YEAR-LONG / 1 CREDIT	COACH APPROVAL
SOFTBALL	08005G10SB	YEAR-LONG / 1 CREDIT	COACH APPROVAL
SWIMMING	08010G10	YEAR-LONG / 1 CREDIT	COACH APPROVAL
TENNIS	08011G10	YEAR-LONG / 1 CREDIT	COACH APPROVAL
TRACK	08013G10T2	YEAR-LONG / 1 CREDIT	COACH APPROVAL
VOLLEYBALL	08013G10V2	YEAR-LONG / 1 CREDIT	COACH APPROVAL
WEIGHT TRAINING	08005G10W1	YEAR-LONG / 1 CREDIT	COACH APPROVAL
WRESTLING	08013G1012	YEAR-LONG / 1 CREDIT	COACH APPROVAL

HEALTH EDUCATION

HTHS offers students three options for taking the required semester-long Health course: regular school day class, zero period class, and a summer class. If students are taking Health and Driver Education during the regular school day class, the courses will be paired together. The zero period and summer classes are offered primarily for students who may have difficulty making room in their schedules for all the courses they need/ desire to take during their sophomore year. These courses are not paired together during summer term. This is a web-based option, but students may need to attend sessions on-campus for their assessments. Please read the Driver Education course description for more information about permit requirements and age limits, to determine which semester you will need to take Health & Driver Education.

HEALTH (08051G05S1)

10 11 12
GRADES 10-12

SEMESTER / .5 CREDIT

RECOMMENDED PREREQUISITE: NONE

NO COURSE FEE REQUIRED

Note: This course is one semester in length and is worth one-half credit. Health is a requirement for graduation and is generally taken in the tenth grade.

Health provides adolescents with the knowledge, skills, and understandings that will enable them to make healthier decisions throughout life. Topics include: mental health and violence prevention; drug, tobacco, and alcohol abuse; safety, first aid and CPR; chronic diseases; STD's, HIV and AIDS; nutrition, physical fitness; family issues; technology's role in health; and global environmental issues. Students also will learn to access health information, products, and services for current and future health needs.

ZERO PERIOD HEALTH (08051G05ZP)

10 11 12
GRADES 10-12

SEMESTER / .5 CREDIT

RECOMMENDED PREREQUISITE: NONE

COURSE FEE REQUIRED

Course work must be completed at home.

SUMMER SCHOOL HEALTH (REGISTER THROUGH HTHS WEBSITE BEGINNING MAY)

10 11 12
GRADES 10-12

SEMESTER / .5 CREDIT

RECOMMENDED PREREQUISITE: NONE

COURSE FEE REQUIRED

All tests may need to be taken on campus.

The summer school Health course is an online course with independent student work. The same topics that are covered during the regular school year course will be covered during the summer course. Other topics include: developing health skills, mental health and violence prevention; drug, tobacco and alcohol abuse; STD's, HIV and Aids; nutrition and physical fitness; family issues; technology's role in health; global environmental issues. Specific dates and times TBA. Visit HTHS website for updates.

DRIVER EDUCATION

Link to additional Driver Education information:
https://sites.google.com/trussvillecityschools.org/hths-driver-ed/home

Driver Education is offered as an elective course primarily for the tenth-grade students who are fifteen years of age or older. An Alabama Learner License is REQUIRED to be registered for this course. If students are taking Health and Driver Education during the regular school day, the courses will be paired together. Some students may not take the Driver and traffic Safety Education course during their sophomore year due to scheduling difficulties. Students are encouraged to schedule the course during their final two years of high school. (Alabama Department of Education)

HTHS offers students three options for taking the semester-long Driver Education course: regular school day class, zero period class, and a summer class. Summer school and zero period is offered primarily for students who may have difficulty making room in their schedules for all the courses they need/desire to take during their sophomore year.

**Freshmen are NOT eligible to take Driver Education regardless of age.*

DRIVER EDUCATION FOR STUDENTS
(08152G10S1) 1ST SEMESTER (TURN 16 BEFORE FEBRUARY 13, 2025)
(08152G10S2) 2ND SEMESTER(TURN 16 ON OR AFTER FEBRUARY 14, 2025)

10 11 12

SEMESTER / .5 CREDIT — GRADES 10-12

RECOMMENDED PREREQUISITE: IT IS RECOMMENDED STUDENTS HAVE 30 HOURS OF DRIVING EXPERIENCE BEFORE ENROLLING IN CLASS.

COURSE FEE REQUIRED

Note: This course is one semester in length and is worth one-half credit.

Driver Education provides the student with basic skills that will make him/her a safer driver. Classroom work and actual on-the-road driving comprise the two-phase program of this course.

Students must show proof of a driver's permit or license in order to enroll in the course.
Driver License: Students must be 16 and have held their learner license (Permit) for 180 days to be eligible to receive their license.

ZERO PERIOD DRIVER'S EDUCATION
1ST SEMESTER (08152G10Z1) (TURN 16 BEFORE FEBRUARY 13, 2025)
2ND SEMESTER (08152G10Z2) (TURN 16 ON OR AFTER FEBRUARY 14, 2025)

10 11 12

SEMESTER / .5 CREDIT — GRADES 10-12

RECOMMENDED PREREQUISITE: IT IS RECOMMENDED STUDENTS HAVE 30 HOURS OF DRIVING EXPERIENCE BEFORE ENROLLING IN CLASS.

COURSE FEE REQUIRED

Students must show proof of a driver's permit or license in order to enroll in the course.
Driver License: Students must be 16 and have held their learner license (Permit) for 180 days to be eligible to receive their license.

Driver Education instructors will hold a meeting to discuss course information. Once course work is complete, students will be assigned two to three driving times to complete their road test.

SUMMER SCHOOL DRIVER EDUCATION (REGISTER ON HTHS WEBSITE MAY 1ST)
SUMMER SCHOOL (TURN 16 BEFORE SEPTEMBER 14TH)

10

SEMESTER / .5 CREDIT — GRADE 10

REQUIRED PREREQUISITE: COACH CARLILE AND COACH BROMLEY WILL HAVE A MANDATORY MEETING WITH REGISTERED SUMMER SCHOOL DRIVER'S EDUCATION STUDENTS BEFORE END OF SCHOOL YEAR. REGISTERED AND APPROVED STUDENTS WILL COMPLETE ASSIGNED WORK IN SCHOOLOGY AND WILL BE ASSIGNED DRIVING DAYS IN JUNE.

RECOMMENDED PREREQUISITE: IT IS RECOMMENDED STUDENTS HAVE 30 HOURS OF DRIVING EXPERIENCE BEFORE ENROLLING IN CLASS.

COURSE FEE REQUIRED

Students must show proof of a driver's permit or license in order to enroll in the course.
Driver License: Students must be 16 and have held their learner license (Permit) for 180 days to be eligible to receive their license.

HTHS FINE ARTS

DEPARTMENT

FINE ARTS DEPARTMENT.

VISUAL ARTS I (05154G1001)

9 10 11 12

GRADES 9-12

YEAR-LONG / 1 CREDIT

RECOMMENDED PREREQUISITE: NONE

COURSE FEE REQUIRED

This is a beginner art course that teaches basic mark-making techniques and compositional development through the use of various drawing, painting, and sculpting mediums. Students will learn a variety of art making processes and be introduced to a variety of styles. Students will learn how to apply the basic elements and principles of art to their own designs as well as actively learn how to judge and improve on their own artistic skills as they progress through the course. This course is recommended for students that enjoy creative thinking!

INTRO TO 3D DESIGN (05195G1031)

9 10 11 12

GRADES 9 -12

YEAR-LONG / 1 CREDIT

RECOMMENDED PREREQUISITE: MIDDLE SCHOOL ART OR TEACHER RECOMMENDATION

COURSE FEE REQUIRED

This one credit course, novice level, it is the first of a sequential high school course focusing directly on three-dimensional design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how three-dimensional design communicates ideas and allows for self-expression. Through exploration and experimentation, this course introduces core concepts of spatial visual design and provides students with a foundation in the three-dimensional design processes, art criticism, aesthetics, and art history. Students will address spatial design problems to express ideas using a variety of traditional and contemporary media, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.

VISUAL ARTS II (05154G1002)

10 11 12

GRADES 10-12

YEAR-LONG / 1 CREDIT

REQUIRED PREREQUISITE: ART I AND TEACHER RECOMMENDATION

COURSE FEE REQUIRED

Art II is for students seeking to further their foundation of art skills developed in Art I. This course will continue to present students with a variety of mediums (drawing, painting, printmaking, sculpture, ceramic, etc.) Project prompts will leave room for student choice and direction as we continue to develop their individual skills and style. This course is recommended for students who enjoy a creative outlet and want to further develop their artistic skills. This is seen as an advanced art course.

INTRO TO 2D DESIGN (05195G1021)

10 11 12

YEAR-LONG / 1 CREDIT

GRADES 10-12

REQUIRED PREREQUISITE: ART I AND TEACHER RECOMMENDATION

COURSE FEE REQUIRED

This course focuses directly on two-dimensional design. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how two-dimensional design communicates ideas and allows for self-expression. Through exploration and experimentation, this course introduces core concepts of design and provides students with a foundation in the two-dimensional design processes, art criticism, aesthetics, and art history. Students will address design problems to express ideas using a variety of traditional and contemporary media, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.

AP STUDIO ART TWO-DIMENSIONAL DESIGN (05195G1021)

10 11 12

YEAR-LONG / 1 CREDIT

GRADES 10-12

REQUIRED PREREQUISITE: ART 1 AND TEACHER SIGNATURE

COURSE FEE REQUIRED

College-level advanced course approved by the College Board Advanced Placement (AP) Program for art. Students will explore artistic processes and ideas visually and within writing to prepare a cohesive visual art portfolio that explores an artistic investigation of a specific topic or idea. AP drawing students will demonstrate mastery of 2-dimensional design in a concept, composition, and execution. Students will use a variety of concepts and approaches in 2D design, ranging from traditional to experimental. The course emphasizes the importance of documenting the development of ideas, practice, revision, among other artistic processes to show evidence of a creative process. The course would suit students who have creative ambition and an inquisitive mind!

AP STUDIO ART DRAWING (05172E1000)

11 12

YEAR-LONG / 1 CREDIT

GRADES 11-12

REQUIRED PREREQUISITE: AP 2D DESIGN PASSING SCORE AND TEACHER SIGNATURE

COURSE FEE REQUIRED

College-level advanced course approved by the College Board Advanced Placement (AP) Program for art. Students will explore artistic processes and ideas visually and within writing to prepare a cohesive visual art portfolio that explores an artistic investigation of a specific topic or idea. AP drawing students will demonstrate mastery of drawing in concept, composition, and execution. Students will use a variety of concepts and approaches in drawing, ranging from traditional to experimental. The course emphasizes the importance of documenting the development of ideas, practice, revision, among other artistic processes to show evidence of a creative process. The course would suit students who have creative ambition and an inquisitive mind!

AP STUDIO ART 3-DIMENSIONAL DESIGN (05175E1000)

11 12

YEAR-LONG / 1 CREDIT

GRADES 11-12

REQUIRED PREREQUISITE: AP 2D DESIGN PASSING SCORE AND TEACHER APPROVAL

COURSE FEE REQUIRED

This advanced-level class is designed for passionate artists seeking to push the boundaries of their creativity while focusing specifically on the versatile medium of clay. The course is structured to align with the rigor and expectations of the AP Studio Art program, providing students with the opportunity to develop a portfolio that reflects their artistic growth and individual style. The curriculum emphasizes the development of a strong conceptual foundation, encouraging students to explore themes and narratives through their 3D creations. Students will also learn to articulate the intention and meaning behind their work through written reflections

CERAMICS I (05154G10CE)

10 11 12

YEAR-LONG / 1 CREDIT

GRADES 10-12

REQUIRED PREREQUISITE: ART 1 AND TEACHER SIGNATURE

COURSE FEE REQUIRED

This intermediate level, one credit course explores the medium of clay through a variety of hand-building and wheel throwing techniques. This course provides students with an in-depth foundation in the ceramic studio processes, art criticism, and aesthetics through exploration and experimentation. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary ceramic processes while learning about the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.

CERAMICS II (05159G1002)

11 12

YEAR-LONG / 1 CREDIT

GRADES 11-12

REQUIRED PREREQUISITE: ART 1 AND TEACHER SIGNATURE

COURSE FEE REQUIRED

This intermediate level, one credit course explores the medium of clay through a variety of hand-building and wheel throwing techniques. Students will create artworks responding to open-ended creative prompts through their choice of ceramics techniques. Students will document their creative process through developing a digital portfolio. Students will utilize the elements and principles of 3D design to enhance their artworks and develop their artistic voice.

CERAMICS III (05159G1003)

12

YEAR-LONG / 1 CREDIT

GRADE 12

REQUIRED PREREQUISITE: CERAMICS II AND TEACHER APPROVAL

COURSE FEE REQUIRED

Building upon the foundational knowledge acquired in Ceramics I and II, this advanced program delves deeper into the art and science of working with clay. Throughout the course, participants will explore advanced hand-building and wheel-throwing techniques, mastering the intricacies of form and function. Emphasis will be placed on refining craftsmanship, experimenting with complex shapes, and developing a personal aesthetic.

DIGITAL PHOTOGRAPHY I (05167G10D1)

10 11 12

YEAR-LONG / 1 CREDIT

GRADES 10-12

RECOMMENDED PREREQUISITE: TEACHER RECOMMENDS ART I AND THATS STUDENTS CAN DRIVE

COURSE FEE REQUIRED & ANY BRAND WORKING DIGITAL CAMERA REQUIRED

This is a beginning level introductory course for students who are genuinely interested in and passionate about photography to the technical and artistic aspects of digital photography. Students will be challenged through project-based assignments that will require some outside of class work. Students will in addition learn about the history of photography and photographers. They will learn to create aesthetically strong photographs and how photography communicates ideas and allows for self-expression. We will work frequently in a computer lab in Adobe Photoshop, and will briefly touch on InDesign and Illustrator as well. A digital camera is required to take the class, but no prior experience is required.

CHORAL DEPARTMENT.

MIXED CHORUS
YEAR I (05110G10FR)
YEAR II (05110G10SO)
YEAR III (05110G10JR)
YEAR IV (05110G10SR)

9 10 11 12
GRADES 9-12

YEAR-LONG / 1 CREDIT

RECOMMENDED PREREQUISITE: NONE

COURSE FEE REQUIRED

The primary focus in this choir is the continuous development of the singing voice and concentration on fundamental musical skills. Students will be taught to read music. This is a performance-based elective and requires purchasing a uniform and three performances during the year. If you have a desire to improve your singing voice, enjoy performing in a group, and have a positive attitude and a good work ethic, you will be successful in this course.

WOMEN'S CHORUS
YEAR I (05111G10FR)
YEAR II (05111G10SO)
YEAR III (05111G10JR)
YEAR IV (05111G10SR)

9 10 11 12
GRADES 9-12

YEAR-LONG / 1 CREDIT

REQUIRED PREREQUISITE: DIRECTOR APPROVAL

COURSE FEE REQUIRED AND REQUIRED PURCHASE OF A UNIFORM.

Women's Chorus is a group of young ladies who will be challenged to rehearse and perform quality choral music in three parts (Soprano I, Soprano II, and Alto) There will be daily emphasis on sight-singing as well. There will be several performance opportunities including participation in the Alabama Vocal Association's State Choral Assessment.

CHAMBER CHORUS
YEAR I (05111G1001)
YEAR II (05111G1002)
YEAR III (05111G1003)
YEAR IV (05111G1004)

9 10 11 12
GRADES 9-12

YEAR-LONG / 1 CREDIT

REQUIRED PREREQUISITE: INTERVIEW/AUDITION WITH CHORAL DIRECTOR AND DIRECTOR'S SIGNATURE

COURSE FEE REQUIRED

In Chamber Choir, students use skills developed in Mixed Choir and take them to a higher level. Repertoire is more advanced and challenging. This is a performance-based elective and requires purchasing a uniform and many performances during the year. Some travel, competition, and after-school practice will be required. Students who have not taken Choir previously at HTHS need to see Dr. Cook for an interview/audition.

MEDIA ARTS, INDEPENDENT STUDY I (VOCAL LAB) (05297G1001)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADES 9-12

REQUIRED PREREQUISITE: PARTICIPATION IN MIXED CHORUS, WOMEN'S CHORUS, OR CHAMBER CHORUS IS REQUIRED FOR THIS COURSE.

COURSE FEE REQUIRED

In this collaborative environment, students will receive individual and small-group instruction in singing technique and artistry. Students will have the opportunity to work on repertoire for their choral classes as well as forming small ensembles and preparing solo repertoire for personal study and performance.

BAND DEPARTMENT.

CONCERT BAND
YEAR I (05102G10FR)
YEAR II (05102G10SO)
YEAR III (05102G10JR)
YEAR IV (05102G10SR)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADES 9-12

REQUIRED PREREQUISITE: PARTICIPATION IN MARCHING BAND, SELECTION IS BASED ON AUDITION

COURSE FEE REQUIRED

The Concert Band is the third performing concert ensemble. Membership is based on audition results and selection by the band directors. Participation in all performances is required. The Concert Band will perform several concerts, as well as at the state performance assessment.

SYMPHONIC BAND
YEAR I (05103G1009)
YEAR II (05103G1010)
YEAR III (05103G1011)
YEAR IV (05103G1012)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADES 9-12

REQUIRED PREREQUISITE: PARTICIPATION IN MARCHING BAND, SELECTION IS BASED ON AUDITION

COURSE FEE REQUIRED

The Symphonic Band is the second performing concert ensemble. Membership is based on audition results and selection by the band directors. Participation in all performances is required. The Symphonic Band will perform several concerts, as well as at the state performance assessment.

WIND ENSEMBLE
YEAR I (05109G1001)
YEAR II (05109G1002)
YEAR III (05109G1003)
YEAR IV (05109G1004)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADES 9-12

REQUIRED PREREQUISITE: PARTICIPATION IN MARCHING BAND, SELECTION IS BASED ON AUDITION

COURSE FEE REQUIRED

The Wind Ensemble is the top performing concert ensemble, made up of mostly upperclassmen. Membership is based on audition results and selection by the band directors. Participation in all performances is required. The Wind Ensemble will perform several concerts, as well as at the state performance assessment.

JAZZ ENSEMBLE 1
YEAR I (05105G10FR)
YEAR II (05105G10SO)
YEAR III (05105G10JR)
YEAR IV (05105G10SR)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADES 9-12

REQUIRED PREREQUISITE: PARTICIPATION IN CONCERT BAND, SYMPHONIC BAND, OR WIND ENSEMBLE. SELECTION IS DETERMINED BY AUDITION OR PRIOR JAZZ EXPERIENCE.

COURSE FEE REQUIRED

Jazz Band 1 is the top performing Jazz Band. Membership is based on audition, or selection by the band directors. Prior jazz experience is required. This group performs at numerous community events and concerts throughout the year, all performances are required.

JAZZ ENSEMBLE 2
YEAR I 05105G10FR)
YEAR II (05105G10SO)
YEAR III (05105G10JR)
YEAR IV (05105G10SR)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADES 9-12

REQUIRED PREREQUISITE: PARTICIPATION IN CONCERT BAND, SYMPHONIC BAND, OR WIND ENSEMBLE.

COURSE FEE REQUIRED

Jazz Band 2 is an intermediate/beginner level jazz ensemble. No jazz experience is required. This group performs at numerous events throughout the year and participation in all performances is required. Membership is based on the selection by the band directors and is open to all high school instrumentalists. Audition may be required.

PERCUSSION ENSEMBLE
YEAR I (05109G10P1)
YEAR II (05109G10P2)
YEAR III (05109G10P3)
YEAR IV (05109G10P4)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADES 9-12

REQUIRED PREREQUISITE: PARTICIPATION IN CONCERT BAND, SYMPHONIC BAND, OR WIND ENSEMBLE.

COURSE FEE REQUIRED

This class is an optional additional class for percussion students. Percussion Ensemble literature will be performed and all performances are required. Participation in this class requires that a student be currently enrolled in a concert band class, as these are considered core music classes. Membership is based on audition results and selection by the band directors.

BAND AIDE/STUDENT ASSISTANT (22051X1000)

11 12

YEAR-LONG/NON-CREDIT COURSE GRADES 11-12

REQUIRED PREREQUISITE: PARTICIPATION IN CONCERT BAND, SYMPHONIC BAND, OR WIND ENSEMBLE. SELECTION IS DETERMINED BY THE BAND DIRECTOR. ONLY OPEN TO JUNIORS & SENIORS.

NO COURSE FEE REQUIRED

Band Aides are student assistants that can register for a band class to serve as ensemble/director assistants. These students are appointed and approved by the directors. Interested students need to see a director for approval. Students are not awarded a grade or credit for this course. This course is only open to Juniors and Seniors.

MARCHING BAND – AUXILIARY
YEAR I (05103G10FR)
YEAR II (05103G10SO)
YEAR III (05103G10JR)
YEAR IV (05103G10SR)

9 10 11 12

YEAR-LONG / 1 CREDIT GRADES 9-12

REQUIRED PREREQUISITE: SELECTION IS MADE THROUGH OPEN TRYOUTS HELD EACH SPRING FOR AUXILIARY POSITIONS IN THE NEXT MARCHING SEASON.

COURSE FEE REQUIRED

Students registering for this course must have been selected as a member of the HTHS Color Guard or the HTHS High-steppers. All students selected for HTHS Color Guard or HTHS High-steppers must register for this course. This course will be used to teach and refine all aspects of color guard and dance line (High-steppers), including flag routines, dance routines, and physical fitness. Marching Band Auxiliary may be taken along with the Online Life PE Course to satisfy the physical education requirement for graduation.

THEATRE DEPARTMENT

THEATRE I (05052G1001)

9 10 11 12
GRADES 9-12

YEAR-LONG / 1 CREDIT

RECOMMENDED PREREQUISITE: NONE

COURSE FEE REQUIRED

Theatre I is a one credit course introducing students to the art of theatre, methods of acting, eras of theatre history and fundamentals of technical theatre. Students will begin to develop the basic vocal and physical work necessary for acting. Students learn through creative, hands-on projects as well as individual and group activities. Class activities include improvisation, movement, monologues, scene work, pantomime, script analysis, character development and theatrical design. Students are expected to demonstrate what they have learned in a variety of ways including performing their work in class. Students are encouraged to attend or participate in HTHS theatre productions. Students will be invited to enter state theatre competitions such as the Alabama Trumbauer Theatre Festival and the State Thespian Festival.

THEATRE II (ACTING/DIRECTING) (05052G1002)

10 11 12
GRADES 10-12

YEAR-LONG / 1 CREDIT

REQUIRED PREREQUISITE: THEATRE I

COURSE FEE REQUIRED

This one credit course continues the study of theatre. Students will begin to figure out their "type" and build a book of solo, duet, and group scenes that fit that type. Students will explore the process of writing monologues, scenes, and plays. Students will further explore the various techniques and methods in acting on how to develop a character. Students will learn methods of directing and put those methods to use by directing 3 scenes per semester as well as a 10-minute play. Students will be encouraged to attend or participate in HTHS musical theatre productions and will be invited to enter state theater competitions such as the Alabama Trumbauer Theatre Festival and the State Thespian Festival.

ACTING TECHNIQUE II (SHOW PRODUCTION FIRST YEAR) (05053G1002)

10 11 12
GRADES 10-12

YEAR-LONG / 1 CREDIT

RECOMMENDED PREREQUISITE: TEACHER APPROVAL

COURSE FEE REQUIRED

This production driven course will consist of working on all the elements that go into producing our shows for the year. Students will be working on blocking, choreography, lighting, sound, costumes, props, sets, fly system, publicity, stage management, and stage hands. All students will be expected to serve as a performer or tech crew member for all HTHS theatre productions.

ACTING TECHNIQUE III (SHOW PRODUCTION SECOND YEAR) (05053G1003)

11 12

YEAR-LONG / 1 CREDIT

GRADES 11-12

REQUIRED PREREQUISITE: TEACHER APPROVAL

COURSE FEE REQUIRED

This advanced production driven course will consist of working on all the elements that go into producing our shows for the year. Students will be working on blocking, choreography, lighting, sound, costumes, props, sets, fly system, publicity, stage management, and stage hands. All students will be expected to serve as a performer or tech crew member for all HTHS theatre productions.

MUSICAL THEATRE I (ACTING AND DANCING) (05060G1001)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADES 9-12

REQUIRED PREREQUISITE: THEATRE I OR TEACHER APPROVAL

COURSE FEE REQUIRED

Learn what it takes to get a standing ovation half way through your big solo. Here's a hint: it'll take more than perfect pitch! Students will get acting tools to examine music and lyrics as a way to strengthen their musical storytelling. In this class you will focus on basic, Broadway-style dance steps. Classes incorporate the style of dance one would typically see on a Broadway stage. This form of dancing emphasizes learning performance skills such as connecting with the audience and facial expressions.

MUSICAL THEATRE II (ACTING AND DANCING) (05060G1002)

10 11 12

YEAR-LONG / 1 CREDIT

GRADES 10-12

REQUIRED PREREQUISITE: MUSICAL THEATRE I

COURSE FEE REQUIRED

Learn what it takes to get a standing ovation half way through your big solo. Here's a hint: it'll take more than perfect pitch! Students will get acting tools to examine music and lyrics as a way to strengthen their musical storytelling. In this class you will focus on basic, Broadway-style dance steps. Classes incorporate the style of dance one would typically see on a Broadway stage. This form of dancing emphasizes learning performance skills such as connecting with the audience and facial expressions.

ADDITIONAL FINE ARTS COURSES

AP MUSIC THEORY (05114E1000)

10 11 12

YEAR-LONG / 1 CREDIT

GRADES 10-12

RECOMMENDED PREREQUISITE: PROSPECTIVE STUDENTS SHOULD BE ABLE TO READ AND WRITE MUSICAL NOTATION AND HAVE BASIC PERFORMANCE SKILLS WITH VOICE OR AN INSTRUMENT.

COURSE FEE REQUIRED

The AP Music Theory course corresponds to one-to-two semesters of typical, introductory college music theory coursework that covers topics such as musicianship, theory, and musical materials and procedures. Musicianship skills, including dictation and listening skills, sight singing, and harmony, are an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural (listening) skills is a primary objective.

INTRODUCTION TO DANCE I (05003G10D1)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADES 9-12

REQUIRED PREREQUISITE: NONE

COURSE FEE REQUIRED

This is a one credit course at the proficient dance level. Novice students progress to a proficient level through a rigorous understanding of the elements of dance. Students create and perform while exploring movement through improvisation and choreographic devices, and develop technical dance skills through correct alignment, nutrition and injury prevention. They obtain an introductory ability to analyze movement for artistic intent, using a knowledge of dance and production elements, genres and style, cultural context and evaluative criteria.

WORLD LANGUAGES DEPARTMENT

FRENCH, LATIN, AND SPANISH

Although students are no longer required to take a World Language course to fulfill basic graduation requirements, your student's post-secondary goals may require them to have taken one or more high school World Language course. Additionally, through completing advancing language courses for three or more years, students may earn endorsements and possibly college credit. Foreign Language may be used as core credit for NCAA eligibility.

FRENCH I (24102G10HS)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADE 9-12

RECOMMENDED PREREQUISITES: C AVERAGE IN THE PREVIOUS YEAR'S ENGLISH COURSE

COURSE FEE REQUIRED

This course is an introduction to the French language and the culture of French-speaking countries. Students will experience the French language through stories, both spoken and written and other techniques in order to provide input in mainly the present tense that is understandable to the students at their current level of language development. Certain aspects of francophone culture will be addressed including where French is spoken in the world and geographical and cultural snapshots of these places. Certain needed vocabulary, such as numbers and family member names will be taught. After completing Level I, a student should have a basic ability to speak, read, write, and listen to French.

** NCAA Approved Course*

ADVANCED FRENCH I (24102G10AD)

9 10 11 12

YEAR-LONG/ 1 CREDIT

GRADE 9-12

RECOMMENDED PREREQUISITES: B AVERAGE IN THE PREVIOUS YEAR'S ENGLISH COURSE.

COURSE FEE REQUIRED

This course is an introduction to the French language and the culture of French-speaking countries. Students will experience the French language through stories, both spoken and written and other techniques in order to provide input in mainly the present tense that is understandable to the students at their current level of language development. Certain aspects of francophone culture will be addressed including where French is spoken in the world and geographical and cultural snapshots of these places. Certain needed vocabulary, such as numbers and family member names will be taught. More vocabulary will also be covered for greater overall reading and listening comprehension. To prepare students for the AP Exam, there will be a specific focus on speaking and writing in French as compared to the general class. The students will be asked to be able to do various tasks in the language, for example: tell what they did over the summer or tell or write an original story modeled after the ones in class. There will also be more novels assigned for the students to read compared to the general class. After completing Level I, a student should have a basic ability to speak, read, write, and listen in French. This course will be designed to benefit students working toward earning the Alabama Seal of Biliteracy, which is a recognition that can be achieved as early as the end of the third year of language learning through a standardized assessment program.

** NCAA Approved Course*

FRENCH II (24103G10H1)

9 10 11 12
GRADE 9-12

YEAR-LONG / 1 CREDIT

RECOMMENDED PREREQUISITES: C AVERAGE IN FRENCH I

COURSE FEE REQUIRED

This course is a continuation of French I. The experience of the French language and the culture of French-speaking countries is continued using understandable language through stories and other means. The present tense will be reviewed, but other tenses will be explored with an emphasis on the past tense. More vocabulary will also be covered for greater overall reading and listening comprehension. The students will be asked to be able to do various tasks in the language, for example: tell what they did over the summer or tell or write an original story modeled after the ones in class. After completing Level II, a student should have a basic ability to speak, read, write and listen to French. Some students may be moving toward the intermediate ability.

** NCAA Approved Course*

ADVANCED FRENCH II (24103G10AD)

9 10 11 12
GRADE 9-12

YEAR-LONG / 1 CREDIT

RECOMMENDED PREREQUISITES: B AVERAGE IN FRENCH I

COURSE FEE REQUIRED

This course is a continuation of French I. The experience of the French language and the culture of French-speaking countries is continued using understandable language through stories and other means. The present tense will be reviewed, but other tenses will be explored with an emphasis on the past tense. More vocabulary will also be covered for greater overall reading and listening comprehension. To prepare students for the AP Exam, there will be a specific focus on speaking and writing in French as compared to the general class. The students will be asked to be able to do various tasks in the language, for example: tell what they did over the summer or tell or write an original story modeled after the ones in class. There will also be more novels assigned for the students to read compared to the general class. After completing Advanced Level II, a student should have a basic ability to speak, read, write, and listen to French. Some students may be moving toward an intermediate ability. This course will be designed to benefit students working toward earning the Alabama Seal of Biliteracy, which is a recognition that can be achieved as early as the end of the third year of language learning through a standardized assessment program.

** NCAA Approved Course*

ADVANCED FRENCH III (24104G10AD)

10 11 12
GRADE 10 -12

YEAR-LONG / 1 CREDIT

RECOMMENDED PREREQUISITES: B AVERAGE IN FRENCH II

COURSE FEE REQUIRED

This course is a continuation of French II. It encourages students to continue to develop their speaking and writing ability, as well as their listening and reading comprehension. There will be more advanced vocabulary. The experience of the French language and the culture of French-speaking countries is continued using understandable language through stories and other means. The present and past tense will be reviewed, but other tenses, like the future, will be seen. Some grammar instruction will also be included on the past tense. To prepare students for the AP Exam, there will be a specific focus on speaking and writing in French as compared to the general class. The students will be asked to be able to do various tasks in the language, for example: tell what they did over the summer or tell or write an original story modeled after the ones in class. There will also be more reading assigned for the students to read compared to the general class. After completing Advanced Level III, a student should have an intermediate ability to speak, read, write, and listen to French. This course will be designed to benefit students working toward earning the Alabama Seal of Biliteracy, which is a recognition that can be achieved as early as the end of the third year of language learning through a standardized assessment program.

** NCAA Approved Course*

AP FRENCH LANGUAGE (24114E10FR)

11 12

YEAR-LONG / 1 CREDIT

GRADE 11-12

REQUIRED PREREQUISITES: TEACHER APPROVAL AND COMPLETION OF SUMMER READING LIST.

COURSE FEE REQUIRED

The AP French Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP French Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in French. The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions)

** NCAA Approved Course*

LATIN I (24342G10H1)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADE 9-12

RECOMMENDED PREREQUISITES: C AVERAGE IN THE PREVIOUS YEAR'S ENGLISH COURSE

COURSE FEE REQUIRED

Latin Level I content standards provide students the framework to begin the study of a foundational language and the culture in which it originated. Basic pronunciation, grammar, vocabulary, and culture (including history and mythology) are included. Acquiring knowledge and skills at Level I also helps students to understand the English language and to use it more effectively.

** NCAA Approved Course*

ADVANCED LATIN I (24342G10AD)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADE 9-12

RECOMMENDED PREREQUISITES: B AVERAGE IN THE PREVIOUS YEAR'S ENGLISH COURSE

COURSE FEE REQUIRED

Latin Level I content standards provide students the framework to begin the study of a foundational language and the culture in which it originated. Basic pronunciation, grammar, vocabulary, and culture (including history and mythology) are included. Acquiring knowledge and skills at Level I also helps students to understand the English language and to use it more effectively. This course will be designed to benefit students working toward earning the Alabama Seal of Biliteracy, which is a recognition that can be achieved as early as the end of the third year of language learning through a standardized assessment program.

** NCAA Approved Course*

LATIN II (24343G10H1)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADE 9-12

REQUIRED PREREQUISITES: C AVERAGE IN THE PREVIOUS YEAR'S LATIN I

COURSE FEE REQUIRED

In Latin Level II, students build upon what they have learned in Level I, and begin a more advanced study of Roman life, history, and mythology. Level II includes the study of advanced grammar, an expansion of students' Latin vocabulary, and the reading of authentic Roman writers. As students progress from adapted to authentic texts, they deepen and expand their familiarity and knowledge of the ancient world.

** NCAA Approved Course*

ADVANCED LATIN II (24343G10AD)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADE 9-12

REQUIRED PREREQUISITES: B AVERAGE IN PREVIOUS YEAR'S LATIN I

COURSE FEE REQUIRED

In Latin Level II, students build upon what they have learned in Level I, and begin a more advanced study of Roman life, history, and mythology. Level II includes the study of advanced grammar, an expansion of students' Latin vocabulary, and the reading of authentic Roman writers. As students progress from adapted to authentic texts, they deepen and expand their familiarity and knowledge of the ancient world.

Students in advanced-level classes will have a different experience than those from general. There will be a greater focus on improving and applying transition skills. Comprehension and proficiency practice will also be more rigorous. Assessments will be more complex and will require that the student organize thoughts more efficiently. This course will be designed to benefit students working toward earning the Alabama Seal of Biliteracy, which is a recognition that can be achieved as early as the end of the third year of language learning through standardized assessment programs.

** NCAA Approved Course*

ADVANCED LATIN III (24344G10AD)

10 11 12

YEAR-LONG / 1 CREDIT

GRADE 10-12

REQUIRED PREREQUISITES: B AVERAGE IN PREVIOUS YEAR'S LATIN II

COURSE FEE REQUIRED

Level III world languages content standards focus on continuing the development of communicative competence in the target language and on building a deeper understanding of the cultures of those who speak the language. Students are able to use basic language structures with an increased level of accuracy and recombine learned material to express their thoughts. They study more complex features of the language, progressing from concrete to abstract concepts.

Students in advanced-level classes will have a different experience than those from general. There will be a greater focus on improving and applying transition skills. Comprehension and proficiency practice will also be more rigorous. Assessments will be more complex and will require that the student organize thoughts more efficiently. This course will be designed to benefit students working toward earning the Alabama Seal of Biliteracy, which is a recognition that can be achieved as early as the end of the third year of language learning through standardized assessment programs.

** NCAA Approved Course*

AP LATIN (24355E1000)

11 12

YEAR-LONG / 1 CREDIT

GRADE 11-12

REQUIRED PREREQUISITES: COMPLETION OF SUMMER READING LIST.

RECOMMENDED PREREQUISITES: B AVERAGE IN PREVIOUS YEAR'S LATIN III OR TEACHER APPROVAL

COURSE FEE REQUIRED

The AP Latin course focuses on the in-depth study of selections from two of the greatest works in Latin literature: Vergil's Aeneid and Selected Letters of Pliny. The course requires students to prepare and translate the readings and place these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. Throughout the course, students consider themes in the context of ancient literature and bring these works to life through classroom discussions, debates, and presentations. Additional English readings from both of these works help place the Latin readings in a significant context.

Course Expectations and Assessments: Outside reading, books, articles, and texts. Mastery of a large body of historical knowledge, especially relating to Vergil's Aeneid and Augustan Rome.

Daily translation assignments from the College Board required Latin texts. Analytical skills or evaluation such as literary devices, advanced grammatical constructions and historical interpretation.

** NCAA Approved Course*

SPANISH I (24052G10AA)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADE 9-12

RECOMMENDED PREREQUISITES: C AVERAGE IN THE PREVIOUS YEAR'S ENGLISH COURSE

COURSE FEE REQUIRED

Level I Spanish students learn basic pronunciation, vocabulary, grammar, and culture. They will attempt to learn within the target language 50% of the time and will be assessed utilizing all language modes (reading, writing, speaking and listening). Student learning will center around the following themes: introductions, school schedules, calendar, weather, countries, family and friends, home, daily life, shopping for food and clothing, and eating at a restaurant. Students will also work toward mastering the following key grammar concepts in addition to other nuances of the language: subject pronouns, present tense verb conjugation, and adjective agreement. Students will focus on the cultures of Mexico, Puerto Rico, Columbia, Guatemala, and Spain.

** NCAA Approved Course*

ADVANCED SPANISH I (24052G10AD)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADE 9-12

RECOMMENDED PREREQUISITES: B+ AVERAGE IN ADVANCED ENGLISH OR A+ AVERAGE IN GENERAL ENGLISH

COURSE FEE REQUIRED

Advanced Level I Spanish students will learn the same themes, grammatical, and cultural concepts as General Spanish I students. However, students in the advanced-level class will have a different learning experience. The teacher will strive to immerse students in the Spanish language for 60% of the class period so that students are preparing to use the recommended target of 90% by the end of their high school language learning career. Assessments will be more complex and will require that the student make connections and organize thoughts more efficiently. This course will be designed to benefit students working toward earning the Alabama Seal of Biliteracy, which is a recognition that can be achieved as early as the end of the third year of language learning through a standardized assessment program.

** NCAA Approved Course*

SPANISH II (24053G1000)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADE 9-12

RECOMMENDED PREREQUISITES: C AVERAGE IN SPANISH I

COURSE FEE REQUIRED

Level II Spanish students further their pronunciation, vocabulary, grammar, and culture. They will use the target language 60% of the time and be assessed utilizing all language modes (reading, writing, speaking, and listening). Student learning will center around the following themes: family and friends/personal relationship, health, home life/leisure activities, airport and train travel, childhood activities, cultural celebrations, technology, and shopping. Students will also work toward mastering the following key grammar concepts in addition to other nuances of the language: the present preterite and imperfect tense verb conjugations and adjective agreement. Students will also work toward mastery in these key grammar concepts: present, preterite and imperfect verb tenses, as well as other nuances of the language. They will also learn about various cultural elements in the Spanish-speaking world.

** NCAA Approved Course*

ADVANCED SPANISH II (24053G10AD)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADE 9-12

RECOMMENDED PREREQUISITES: B+ AVERAGE IN ADVANCED SPANISH I OR A+ AVERAGE IN GENERAL SPANISH I

COURSE FEE REQUIRED

Advanced Level II Spanish students will learn the same themes, grammatical, and cultural concepts as General Spanish II students. However, students in this advanced-level class will have a different learning experience. Assessments will be more complex and will require that the student make connections and organize thoughts more efficiently. They will use target language 70% of the time and be assessed utilizing all language modes (reading, writing, speaking, and listening). This course will be designed to benefit students working toward earning the Alabama Seal of Biliteracy, which is a recognition that can be achieved as early as the end of the third year of language learning through a standardized assessment program.

** NCAA Approved Course*

ADVANCED SPANISH III (24054G10AD)

10 11 12

YEAR-LONG / 1 CREDIT

GRADE 10-12

RECOMMENDED PREREQUISITES: B+ AVERAGE IN ADVANCED SPANISH II OR A+ AVERAGE IN GENERAL SPANISH II

COURSE FEE REQUIRED

Level III Spanish students will deepen their understanding of grammatical structures and expand their vocabulary. Advanced Spanish III students will master present, preterite, imperfect, future, conditional perfect, and subjunctive tenses. They will speak in the target language 80% of the time and demonstrate proficiency on more complex assessments utilizing all language modes (reading, writing, speaking and listening). Students in Advanced Spanish III will be able to read, write, listen and speak within the following themes: legends, storytelling, networking, personal relationships, landmarks, natural disasters, future goals, and personal finance. They will contrast their own culture to that of Spanish-speaking cultures and be able to communicate those differences in Spanish. This course is required for students interested in continuing their Spanish education towards Advanced Spanish IV and AP Spanish. This course will be designed to benefit students working toward earning the Alabama Seal of Biliteracy, which is a recognition that can be achieved as early as the end of the third year of language learning through a standardized assessment program.

** NCAA Approved Course*

ADVANCED SPANISH IV (24055G10AD)

11 12

YEAR-LONG / 1 CREDIT

GRADES 11-12

RECOMMENDED PREREQUISITES: B+ AVERAGE IN ADVANCED SPANISH III

COURSE FEE REQUIRED

Level IV Spanish students continue to develop their speaking and writing ability, as well as their listening and reading comprehension. There will be more advanced vocabulary. They will speak in the target language 90% of the time and demonstrate proficiency on more complex assessments utilizing all language modes (reading, writing, speaking, and listening). The course will cover the following themes: traveling (both for leisure and with purpose), protecting the world/the environment, art, medical illness/healthcare and learning about traditions within the Spanish culture such as weddings, quinceañeras, etc. Students will review indirect object pronouns, direct object pronouns, the present, preterite, imperfect, future, conditional present perfect, and the subjunctive tense. They will also master double object pronouns, the pluperfect and imperfect subjunctive tense. This course will be designed to benefit students working toward earning the Alabama Seal of Biliteracy, which is a recognition that can be achieved as early as the end of the third year of language learning through a standardized assessment program

** NCAA Approved Course*

AP SPANISH LANGUAGE (24064E1000)

12

YEAR-LONG / 1 CREDIT

GRADE 12

REQUIRED PREREQUISITES: B+ AVERAGE IN ADVANCED SPANISH III/IV, RISING SENIOR STATUS, OR TEACHER APPROVAL

COURSE FEE REQUIRED AND EXAM FEE REQUIRED

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions)

** NCAA Approved Course*

ADDITIONAL ELECTIVES

PSYCHOLOGY (04254G1000)

10 11 12

YEAR-LONG / 1 CREDIT

GRADE 10-12

RECOMMENDED PREREQUISITES: NONE

COURSE FEE REQUIRED

This course offers the student an opportunity to explore human behavior, to examine positive ways to interact with others, and to form healthy methods of coping with typical adolescent problems. It provides an introduction to the entire realm of psychology, including experimental, abnormal, learning, developmental, and social. Student involvement and community awareness are encouraged through field trips, guest speakers, and role-playing discussion activities in the classroom.

** NCAA Approved Course*

AP PSYCHOLOGY (04256E1000)

10 11 12

YEAR-LONG/ 1 CREDIT

GRADE 10-12

RECOMMENDED PREREQUISITES: NONE

COURSE FEE REQUIRED

AP Psychology is designed to introduce students to the scientific study of behavior and mental processes of humans and other animals. The course provides instruction in each of the following fourteen content areas: History and Approaches, Research Methods, Biological Bases of Behavior, Sensation and Perception, States of Consciousness, Learning, Cognition, Motivation and Emotion, Developmental Psychology, Personality, Testing and Individual Differences, Abnormal Psychology, Treatment of Psychological Disorders, and Social Psychology. This course includes lecture, discussion, research, guest speakers, field trips, and requires higher level thinking and advanced reading and writing skills. The course content is established by the College Board and students may earn college credit based on a student's score on an AP exam at the end of the year. Score requirements for credit are determined by individual colleges/ universities

** NCAA Approved Course*

CREATIVE WRITING (01104G1000)

10 11 12

YEAR-LONG/ 1 CREDIT

GRADE 10-12

RECOMMENDED PREREQUISITES: NONE

This course will delve into the fundamental elements of storytelling, including character development, plot structure, dialogue, and setting. Through a series of engaging lessons and prompts, students will have the opportunity to experiment with different genres and styles in order to develop their own narrative voice. Students will also participate in writing workshops where they will offer both feedback and encouragement in order to grow as writers.

** NCAA Approved Course*

SCHOOL PUBLICATIONS (YEARBOOK) (11104X10YB)

9 10 11 12

YEAR-LONG/ 1 CREDIT

GRADE 9 -12

REQUIRED PREREQUISITES: APPLICATION APPROVAL REQUIRED BEFORE ENROLLING IN COURSE.

LINK TO APPLICATION: APPLICATION FOR 2025 - 2026 SCHOOL YEAR

This is a year-long course in which students will produce the school yearbook. Students are required to sell ads and yearbooks, take pictures, design layouts using LabDesign, and write captions and articles. Basic computer skills are required. Some after school and weekend work will be required.

OFFICE ASSISTANT (SENIORS ONLY) (22051X10OF)

12

YEAR-LONG/ NO CREDIT

GRADE 12

REQUIRED PREREQUISITES: 3.0+ GPA, NO CLASS II OR III DISCIPLINARY OFFENSES, NO MORE THAN 3 UNEXCUSED ABSENCES FOR THE CURRENT SCHOOL YEAR, CCRI OBTAINED, & ON TRACK TO GRADUATE. APPROVED COMPLETED APPLICATION.

LINK TO APPLICATION: APPLICATION FOR 2025 - 2026 SCHOOL YEAR

Students will be required to perform office duties such as sorting mail, copying, and delivering information to classrooms. A general service-oriented attitude toward faculty and students who need assistance in the office areas is essential. Students may earn community service hours or service hours for National Honor Society.

TCS STUDENT TECH TEAM (JUNIORS AND SENIORS ONLY) (22051X10OF)

11 12

YEAR-LONG/ NO CREDIT

GRADE 11 - 12

REQUIRED PREREQUISITES: 3.0+ GPA, NO CLASS II OR III DISCIPLINARY OFFENSES, NO MORE THAN 3 UNEXCUSED ABSENCES FOR THE CURRENT SCHOOL YEAR, CCRI OBTAINED, & ON TRACK TO GRADUATE. APPROVED COMPLETED APPLICATION..

LINK TO APPLICATION: APPLICATION FOR 2025 - 2026 SCHOOL YEAR

Join the front line of school tech support with our new TCS Student Tech Team course, an exclusive opportunity for 12th graders to become tech-savvy leaders in our school. In this small, hands-on class, students will be introduced to the art of troubleshooting hardware problems in Chromebooks, gaining practical skills that are in high demand in today's digital world. Work alongside one of Trussville's professional technicians, learn some new skills, and help support your peers at Hewitt-Trussville High School!

LIBRARY ASSISTANT (JUNIOR AND SENIORS ONLY) (22051X10OF)

11 12

YEAR-LONG / NO CREDIT

GRADE 11 - 12

REQUIRED PREREQUISITES: 3.0+ GPA, NO CLASS II OR III DISCIPLINARY OFFENSES, NO MORE THAN 3 UNEXCUSED ABSENCES FOR THE CURRENT SCHOOL YEAR, CCRI OBTAINED, & ON TRACK TO GRADUATE. APPROVED COMPLETED APPLICATION.

LINK TO APPLICATION: APPLICATION FOR 2025 - 2026 SCHOOL YEAR

Students will be required to perform library duties such as checking out books to students, printing things for students, shelving books, and delivering items. A general service-oriented attitude toward faculty and students who need assistance in the library is essential. Students may earn community service hours or service hours for National Honor Society.

AP RESEARCH (22112E1000)

11

YEAR-LONG / 1 CREDIT

GRADE 11

REQUIRED PREREQUISITES: COMPLETION OF AP SEMINAR

RECOMMENDED PREREQUISITES: B AVERAGE IN AP SEMINAR, TEACHER APPROVAL

COURSE FEE REQUIRED

NOT A CORE COURSE

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

AP Research is the second course in College Board's AP Capstone Diploma Program, which, along with AP Seminar, allows students to earn the prestigious AP Capstone Diploma by demonstrating advanced research, analysis, and presentation skills. To learn more about the AP Capstone Diploma and other diploma requirements, please refer to page 7.

ACT PREP (23992X1000)

10 11

YEAR-LONG (LUNCH STUDY) / 0.5 CREDIT

GRADE 10-11

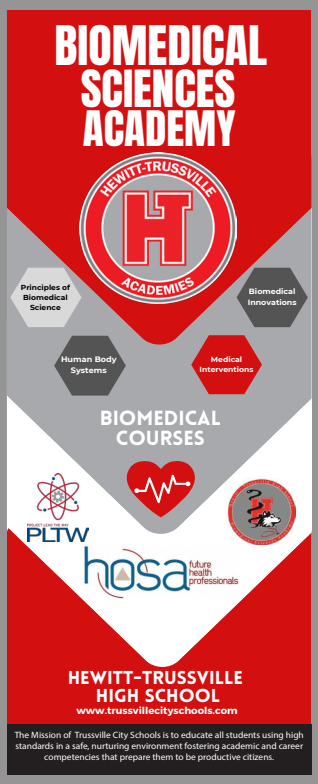
RECOMMENDED PREREQUISITES: SELECTED BY DATA

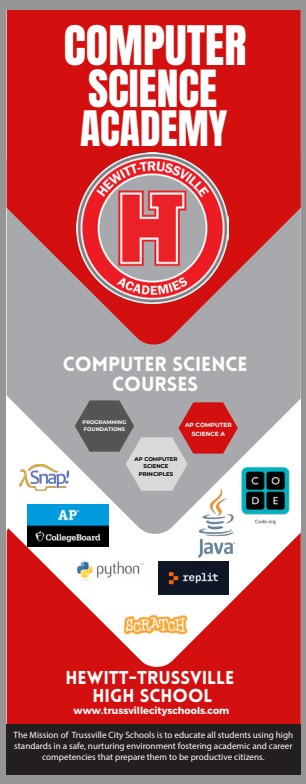
NO COURSE FEE REQUIRED

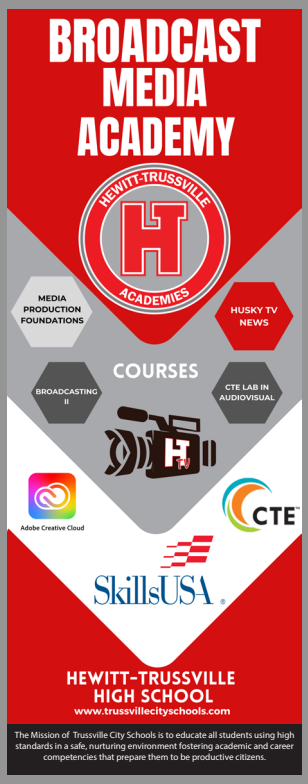
The ACT Prep course will emphasize ACT test-taking strategies, specifically math skills, grammar and punctuation skills, reading skills, and science-reasoning skills. Students will study and practice test taking strategies, information retrieval, recognition of test patterns, reading in the content areas, and vocabulary development with the central goal to increase both subtest scores and composite scores. All four ACT subtests will be reviewed: English, Math, Reading, and Science Reasoning. Students are required to register and take the ACT twice during this course to meet course requirements.

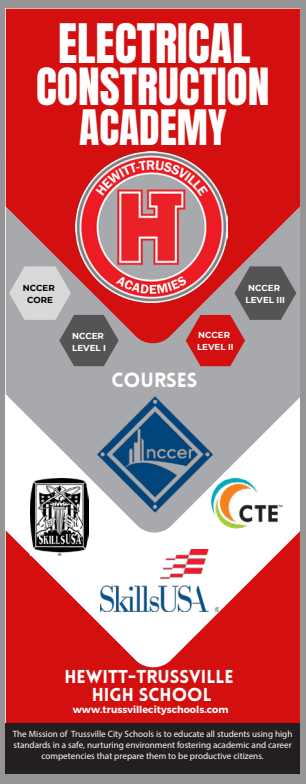
Hewitt Trussville High School

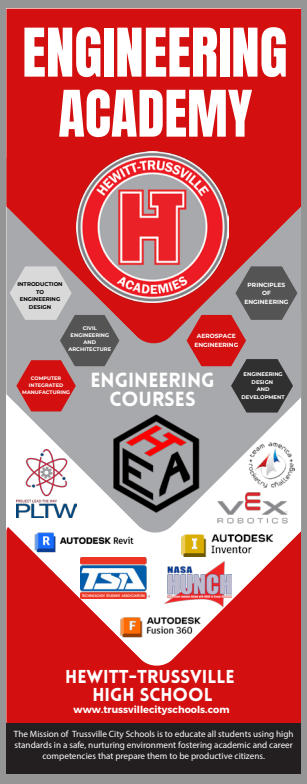
ACADEMIES











BROADCAST MEDIA ACADEMY

MEDIA PRODUCTION FOUNDATIONS - REQUIRED COURSE (11153G1010)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADE 9 - 12

REQUIRED PREREQUISITES: BY APPLICATION ONLY

COURSE FEE REQUIRED

LINK TO APPLICATION: HTTPS://FORMS.GLE/3FKB2BTYT5GGTM1V6

Media Production Foundations presents the basic elements of radio, television, and web-based broadcasting for the dissemination of information or for entertainment through standard journalistic practices. Students learn scriptwriting, storyboarding, camera and microphone techniques, video and audio editing, and on-camera presentation. Content also includes the history of broadcasting, various broadcast mediums, and the roles and responsibilities of professionals in the industry. The course provides hands-on experience creating and producing broadcast projects in multiple formats and incorporates creativity and important communication and critical thinking skills. Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Arts, A-V Technology, and Communications cluster affiliate with SkillsUSA.

May earn Adobe Certified Professional Premiere Pro, InDesign, Illustrator or AfterEffects

BROADCASTING PRODUCTION II (11051G1013)

10 11 12

YEAR-LONG / 1 CREDIT

GRADE 10 - 12

REQUIRED PREREQUISITES: MEDIA PRODUCTION FOUNDATIONS AND TEACHER APPROVAL

COURSE FEE REQUIRED

Television/Broadcasting Production II builds on concepts presented in Media Production Foundations by providing expanded broadcasting skills and opportunities. Topics include audience research, developing a creative vision for programming, advanced video production techniques, and broadcast journalism. Students will also have the opportunity to work on larger-scale projects and explore their own creative interests within the broadcasting field.

May earn Adobe Certified Professional Premiere Pro, InDesign, Illustrator or AfterEffects

CTE LAB IN ARTS, A-V TECHNOLOGY AND COMMUNICATIONS (11197G1002)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADE 9 - 12

REQUIRED PREREQUISITES: BY APPLICATION ONLY

PRE OR COREQUISITE: MEDIA PRODUCTION FOUNDATIONS OR BROADCASTING PRODUCTION

COURSE FEE REQUIRED

LINK TO APPLICATION: HTTPS://FORMS.GLE/3FKB2BTYT5GGTM1V6

Career Pathway Project (CPP) in Arts, A-V Technology, and Communications is a course which allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education. This class does not meet during the school day. Lab experience outside of school hours.

MODERN MANUFACTURING CENTER FOR EXCELLENCE ACADEMY

The Modern Manufacturing Center for Excellence Academy will prepare students for entry level manufacturing careers with Mercedes-Benz, Honda, Mazda-Toyota, Toyota, Hyundai, and suppliers. Participants will learn basic employability skills, safety, technical skill, and manufacturing principles needed to be successful in today's manufacturing environment. The program includes instruction in machine operations, production line operations, systems analysis, instrumentation, physical controls, automation, manufacturing planning, quality control, and informational infrastructure.

COURSE SEQUENCE		
1st Course:	Manufacturing 101	(CODE)
2nd Course:	Manufacturing 102	(CODE)
3rd Course:	Manufacturing 103	(CODE)

MANUFACTURING 101 (TBD)

9 10 11 12

GRADE 9 - 10

YEAR-LONG / 1 CREDIT

RECOMMENDED PREREQUISITES: NONE

COURSE FEE REQUIRED

REQUIRED FOUNDATION COURSE | SINGLE PERIOD CLASS

Microcredentials earned: Concepts & Terminology of Smart Manufacturing, Basic setup, adjustment and operation of automated machines, safety and hand tools, blueprint and schematic reading, precision measuring, basic electrical control, pneumatic and sensor systems operation, basic robot operation and terminology, production monitoring via HMI, Internet, Ethernet and Smart Phones. Credentials earned: Certified Industry 4.0 Associate I - Basic Operations; Alabama Career Essentials (ACE); OSHA - 10 Certification.

MANUFACTURING 102 (TBD)

10 11 12

GRADE 10 - 12

YEAR-LONG / 1 CREDIT

REQUIRED PREREQUISITES: MANUFACTURING I

COURSE FEE REQUIRED

SINGLE PERIOD CLASS

Microcredentials earned: Smart manufacturing system metrics & optimization; set-up, adjustment and operation of computer controlled machines; basic ethernet network operation, basic programmable controller programming and operation; basic mechanical and hydraulics system operation and adjustment; basic mechatronic systems programming and operation; basic robotics and CNC programming operation; HMI interface and operation; high voltage safety training. Credential Earned: Certified Industry 4.0 Associate II - Advance Operations

MANUFACTURING 103 (TBD)

11 12

YEAR-LONG / 1 CREDIT

GRADE 11 - 12

REQUIRED PREREQUISITES: MANUFACTURING I AND II

COURSE FEE REQUIRED

SINGLE PERIOD CLASS

Credential earned: Electrical Systems 1

COMPUTER SCIENCE ACADEMY

At a time when computer science affects how we work and live, the HTHS Computer Science Academy empowers students to become creators, instead of merely consumers, of the technology all around them.

The Academy's interdisciplinary courses engage students in compelling, real-world challenges. As students work together to design solutions, they learn computational thinking – not just how to code - and become better thinkers and communicators. Students take from the courses in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take.

THE COURSES LISTED BELOW MAY BE USED TO FULFILL A STUDENT'S FOURTH MATH CREDIT OR THIRD AND/OR FOURTH CREDIT IN SCIENCE:

- 10152G1001 Programming Foundations
- 10019E1000 Computer Science Principles, AP
- 10157E1000 Computer Science A, AP (teacher recommendation required)

PROGRAMMING FOUNDATIONS (10152G1001)

9 10 11 12

YEAR-LONG / 1 MATH, OR 1 SCIENCE, OR 1 ELECTIVE OR CORE CREDIT

GRADE 9 - 12

RECOMMENDED PREREQUISITES: NONE

COURSE FEE REQUIRED

Programming Foundations introduces students to coding fundamentals through an approachable, block-based programming language. After sharpening their computational thinking skills, they will transition into text-based programming. They are introduced to the Python® programming language. The course engages students in computational thinking practices and collaboration strategies, as well as industry standard tools authentic to how computer science professionals work. Students will learn about professional opportunities in computer science and how computing can be an integral part of all careers today.

** NCAA Approved Course*

AP COMPUTER SCIENCE PRINCIPLES (10019E1000)

10 11 12

YEAR-LONG/ 1 MATH, OR 1 SCIENCE, OR 1 ELECTIVE OR CORE CREDIT

GRADE 10-12

REQUIRED PREREQUISITES: COMPLETION OF GEOMETRY AND TEACHER RECOMMENDATION

COURSE FEE REQUIRED

Open doors in any career with computer science! Students develop creative programs, automate tasks in a variety of languages, find patterns in data, and interpret simulations. Students collaborate to create and present solutions that can improve people's lives. How will computing and connectivity transform your world?

Computer Science Principles (CSP) implements the College Board's AP CS Principles framework. Students work in teams to develop computational thinking and solve problems. The course does not aim to teach mastery of a single programming language but aims instead to develop computational thinking, to generate excitement about the field of computing, and to introduce computational tools that foster creativity. The course also aims to build students' awareness of the tremendous demand for computer specialists and for professionals in all fields who have computational skills. Each unit focuses on one or more computationally intensive career paths. The course also aims to engage students to consider issues raised by the present and future societal impact of computing.

** NCAA Approved Course*

AP COMPUTER SCIENCE A (10157E1000)

11 12

YEAR-LONG/ 1 MATH OR ELECTIVE OR CREDIT

GRADE 11-12

REQUIRED PREREQUISITES: COMPLETION OF CS PRINCIPLES OR TEACHER RECOMMENDATION

COURSE FEE REQUIRED

AP Computer Science A is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP CSA course curriculum is compatible with many CS1 courses in colleges and universities. *For seniors who have completed Algebra II, this course can count as their final math course for graduation and this course can also be taken as an elective for qualified students.

** NCAA Approved Course*

BUSINESS LEADERSHIP ACADEMY

The Business Leadership Academy is designed to give high school students an opportunity to prepare for collegiate studies and careers in the fields of business, management, marketing, insurance, and accounting. In addition, The Business Academy offers students that have entrepreneurial spirits the opportunity to explore the demands of starting and owning your own business. Finally, The Business Academy provides vital information to those, in any career field, that hope to serve as a leader in an organization.

Emphasis is placed on a college preparatory curriculum that is directly linked to the business world. Students have the opportunity to earn certifications for Adobe Creative Suite, Entrepreneurship & Small Business, and Microsoft Office. Courses offer a variety of competitions through Future Business Leaders of America (FBLA), Junior Achievement, and others.

Completer Status *(earns honor cords to wear at graduation)* = Three Business Leadership Academy program credits in two or more Business Leadership Academy program courses. Courses have to be in the same program to earn Completer Status.

National Business Honor Society *(Induction Ceremony and earns honor cords to wear at graduation)* = Three Business Courses (Excludes Co-Op) 3.0 overall & 3.5 Business Academy.

BUSINESS INFORMATION TECHNOLOGY PROGRAM

9TH – 12TH	• DIGITAL PUBLICATIONS DESIGN - ADOBE PHOTOSHOP CERTIFICATION • BUSINESS SOFTWARE APPLICATIONS - MICROSOFT OFFICE CERTIFICATIONS
10TH – 12TH	• DIGITAL MEDIA DESIGN - ADOBE CERTIFICATION (DIGITAL PUBLICATION PREREQUISITE) • AP COMPUTER SCIENCE PRINCIPLES (COMPLETION OF GEOMETRY AND TEACHER RECOMMENDATION)

11TH – 12TH	• AP COMPUTER SCIENCE A (COMPLETION OF CS PRINCIPLES OR TEACHER RECOMMENDATION)
	• LEADERSHIP HT (APPLICATION REQUIRED)
	  • LIST WILL BE SENT TO COUNSELOR FOR PLACEMENT.
	  • APPLICATIONS WERE SENT TO STUDENTS WHO WERE NOMINATED.
	  • SELECTION PROCESS INCLUDES APPLICATION AND INTERVIEW.
	• CO-OP/WORK-BASED LEARNING (APPLICATION REQUIRED)
	  • INCLUDES FIRE SCIENCE AND TCS ELEMENTARY INTERNSHIP
	  • PREREQUISITE: CAREER PREP OR COMPLETED ACADEMY COURSE
	  • LIST WILL BE SENT TO COUNSELOR FOR PLACEMENT.

BUSINESS MARKETING PROGRAM

9TH – 12TH	• BUSINESS SOFTWARE APPLICATIONS – MICROSOFT OFFICE CERTIFICATIONS
10TH – 12TH	• MARKETING - GUEST SERVICE PROFESSIONAL CERTIFICATION

11TH – 12TH	• ENTREPRENEURSHIP – ENTREPRENEURSHIP AND SMALL BUSINESS CERTIFICATION
	• LEADERSHIP HT (APPLICATION REQUIRED)
	  • LIST WILL BE SENT TO COUNSELOR FOR PLACEMENT.
	  • APPLICATIONS WERE SENT TO STUDENTS WHO WERE NOMINATED.
	  • SELECTION PROCESS INCLUDES APPLICATION AND INTERVIEW.
	• CO-OP/WORK-BASED LEARNING (APPLICATION REQUIRED)
	  • INCLUDES FIRE SCIENCE AND TCS ELEMENTARY INTERNSHIP
	  • PREREQUISITE: CAREER PREP OR COMPLETED ACADEMY COURSE
	  • LIST WILL BE SENT TO COUNSELOR FOR PLACEMENT.

BUSINESS SOFTWARE APPLICATIONS I (10005G1001)

9 10 11 12

GRADE 9 - 12

YEAR-LONG / 1 CREDIT

RECOMMENDED PREREQUISITES: NONE

COURSE FEE REQUIRED

The Microsoft Imagine Academy gives students the opportunity to learn The Microsoft Office Suite of programs and earn the highly valued Microsoft Office Specialist Certification in Microsoft Word, Excel, PowerPoint and Outlook. Students will utilize software training resources and GMetrix practice testing to prepare for the certification exams. This software training would benefit every HTHS student helping them be prepared for collegiate level work using Microsoft products and for their future career.
May earn Microsoft Office Specialist (MOS) Associate in Microsoft Word, Excel, PowerPoint and Outlook

DIGITAL PUBLICATIONS DESIGN (11153G1002)

9 10 11 12

GRADE 9-12

YEAR-LONG/ 1 CREDIT

RECOMMENDED PREREQUISITES: NONE

COURSE FEE REQUIRED

Digital Publications Design is a one credit course that guides students through learning the use of Adobe Photoshop and InDesign. Students will learn how to edit and alter photographs, create engaging publications, and develop skills to create all types of artwork. This course is geared for students to earn industry recognized certifications in Adobe Photoshop and InDesign.
May earn Adobe Certified Professional- Photoshop; Adobe Certified Professional- InDesign

DIGITAL MEDIA DESIGN (11153G1001)

10 11 12

GRADE 10-12

YEAR-LONG/ 1 CREDIT

REQUIRED PREREQUISITES: DIGITAL PUBLICATIONS DESIGN COURSE PREVIOUSLY COMPLETED

COURSE FEE REQUIRED

Digital Media Design provides a creative, hands-on environment in which students utilize various software to produce a variety of digital media projects. Students use various hardware, peripherals, software, and web-based tools to learn skills involving graphic design, digital photography, web design, and digital video production. This course is geared for students to earn industry recognized certifications in Adobe Illustrator and Premiere Pro.
May earn Adobe Certified Professional Illustrator; Adobe Certified Professional Premiere Pro

MARKETING PRINCIPLES (12164G1001)

10 11 12

GRADE 10-12

YEAR-LONG/ 1 CREDIT

RECOMMENDED PREREQUISITES: NONE

COURSE FEE REQUIRED

Marketing Principles is designed to provide students with an overview of marketing concepts. The course addresses ways in which marketing satisfies consumer and business needs and wants for products and services. Areas emphasized include economics, entrepreneurship, information management, finance, marketing, product and service planning, promotion, pricing, selling, interpersonal skills, and international marketing. Students will have the opportunity to earn the Certified Guest Service Professional certification in this course.
May earn Certified Guest Service Professional.

ENTREPRENEURSHIP (12053G1000)

11 12

YEAR-LONG/ 1 CREDIT

GRADE 11-12

RECOMMENDED PREREQUISITES: NONE

COURSE FEE REQUIRED

Entrepreneurship provides students with an understanding of the critical role played by entrepreneurs in the national and global economy. Students learn not only the skills necessary to become entrepreneurs, but also the attitudes, characteristics, and techniques found in successful entrepreneurs that students will need to succeed.

Students explore the steps necessary to starting a business, including financing, forms of organization, and business plans. They learn about the operational issues that new businesses are faced with, such as taxation, licensing, and liabilities, as well as the financial risks of starting a business. Students examine ethical issues and develop a framework for managing them. Finally, students submit completed business plans and elevator pitches in the Junior Achievement Business Plan Challenge, as they compete in a local pitch competition hosted by Junior Achievement of Greater Birmingham. Students will have the opportunity to earn an Entrepreneurship and Small Business industry recognized certification.

May earn Certiport Entrepreneurship and Small Business Certification

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LEADERSHIP HEWITT-TRUSSVILLE (12047G1002 FOR BUSINESS MANAGEMENT PATHWAY) (12197G1002 FOR MARKETING PATHWAY)

11 12

YEAR-LONG/ 1 CREDIT

GRADE 11-12

REQUIRED PREREQUISITES: FACULTY NOMINATION, COMPLETED APPLICATION AND INTERVIEW SELECTION PROCESS

COURSE FEE REQUIRED

LUNCH-STUDY COURSE

Leadership Hewitt-Trussville is a one-credit course (two semesters) designed to provide students with skills needed to effectively organize, develop, create, and present a project proposal based on the needs of the Trussville community. This highly visible leadership building class is coordinated by the City of Trussville, the Trussville Chamber of Commerce, and Hewitt-Trussville High School. This extraordinary partnership offers students the opportunity to develop leadership skills, gain knowledge of business management, city government, and community service, and to apply these skills within the Trussville area. Each student will participate in a variety of activities planned to give students training in areas such as project management, business plan writing, team building, and proposal presentations. These skills will transfer easily into college and adult life and help students become the leaders of tomorrow.

LEADERSHIP HEWITT-TRUSSVILLE SELECTION PROCESS

- HTHS faculty members nominate students early Spring
- Nominated students are reviewed
- Applications will be sent to select students who meet course requirements
- Each application received will be evaluated and scored
- Highest scoring applicants will be invited to interview with the selection team
- Interviews are evaluated and scored
- References are contacted if more information is needed

BIOMEDICAL SCIENCES ACADEMY

Biomedical Sciences is a broad field encompassing many different medical and health care disciplines. These include biochemistry, biomedical engineering, dentistry, forensics, microbiology, immunology, pharmacology, physiology, radiological sciences and more. The HTHS Biomedical Sciences Academy uses the nationally recognized Project Lead the Way (PLTW) curriculum which gives students the academic foundation to enter any of these fields.

THE BIOMEDICAL SCIENCES PROGRAM IS A SEQUENCE OF FOUR COURSES TAKEN IN PROGRESSION:

- Principles of Biomedical Sciences
- Human Body Systems
- Medical Interventions
- Biomedical Innovations

PLTW - PRINCIPLES OF BIOMEDICAL SCIENCES (14252G1002)

9 10 11 12
GRADE 9 - 12

YEAR-LONG / 1 CREDIT

RECOMMENDED PREREQUISITES: NONE

COURSE FEE REQUIRED

This course introduces medical field careers and basic biomedical sciences through exciting "hands-on" projects and problems. It provides an overview of scientific knowledge needed for the subsequent courses. Students are scientists as they work through a Medical Investigation unit and solve the mysterious death of a fictional person. Students will then learn hands-on skills and how to work with patients in the Clinical Care unit. Students will also solve mysteries involving Outbreaks and Emergencies. Technical skills, Career Learning, Laboratory skills, and Professional Practices are embedded into each unit as the course prepares students for a large variety of biomedical careers. If you have interest in becoming a professional in healthcare, forensics or biomedical sciences this class is for you!

PLTW - HUMAN BODY SYSTEMS (14299G1002)

10 11 12
GRADE 10 - 12

YEAR-LONG / 1 CREDIT

RECOMMENDED PREREQUISITES: SUCCESSFUL COMPLETION OF THE PRINCIPLES OF BIOMEDICAL SCIENCES CLASS OR INSTRUCTOR APPROVAL.

COURSE FEE REQUIRED

During this course, students will study the processes, structures, and interactions of the human body systems. The focus of the class will be basic human anatomy and physiology that shows how the body systems work together to keep the amazing human machine functioning.

Students will use "hands-on" activities to design experiments, investigate the structures and functions of body systems with clay manikins, and create patient profiles through a virtual patient portal to diagnose and treat simulated patients. Students are put in the role of doctors, nurses, physical therapists, geneticists, lab technicians, athletic trainers and much more. Students will have a chance to dive into the anatomy of the Human body in a way they have never before.

PLTW - MEDICAL INTERVENTIONS (14299G1003)

11 12

YEAR-LONG / 1 CREDIT

GRADE 11 - 12

RECOMMENDED PREREQUISITES: SUCCESSFUL COMPLETION OF THE PRINCIPLES OF BIOMEDICAL SCIENCES CLASS, HUMAN BODY SYSTEMS, OR INSTRUCTOR APPROVAL.

COURSE FEE REQUIRED

In the Medical Interventions course, students will investigate the variety of interventions involved in the prevention, diagnosis and treatment of diseases as they follow the lives of a fictitious family. Thus, this course explores the design and development of various medical interventions, including vascular stents, DNA analysis, cancer treatment, cochlear implants, and prosthetic limbs. In addition, students review the history of organ transplants and gene therapy. Additionally, students will experience cutting-edge medical developments through current technology and scientific literature.

Student projects investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. Using 3D imaging, data acquisition software, and current scientific research, students will design a product that can be used as a medical intervention. This means that students will be able to apply scientific thinking and design for critical medical situations.

BIOMEDICAL INNOVATIONS (14255G1000)

12

YEAR-LONG / 1 CREDIT

GRADE 12

RECOMMENDED PREREQUISITES: MEDICAL INTERVENTIONS OR INSTRUCTOR APPROVAL

COURSE FEE REQUIRED

In the final course of the PLTW Biomedical Science sequence, students build on and combine the knowledge and skills gained from previous biomedical courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. It is a project based class designed for students to showcase their biomedical knowledge and skills. May earn Certified Clinical Medical Assistant.

Students will also have the opportunity to job shadow at various healthcare sites in the Trussville and Birmingham areas.

SPORTS MEDICINE ACADEMY

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

FOUNDATIONS OF HEALTH SCIENCE (14002G1001)

9 10 11 12

GRADE 9 - 12

YEAR-LONG / 1 CREDIT

RECOMMENDED PREREQUISITES: NONE

REQUIRED FOUNDATION COURSE

COURSE FEE REQUIRED

Foundations of Health Science, the foundational course for the Health Science cluster, introduces students to a wide range of health careers. This course is designed to provide students with a solid basis for moving ahead in any healthcare field they may choose. The topics covered include safety, infection control, legal and ethical practices, career exploration, employability skills, medical math, healthcare delivery systems, health and wellness, communication and teamwork, medical terminology, body organization, basic anatomy and physiology of each major body system, and entry level technical skills. This course is the prerequisite for all other health science courses. It is recommended for students who want to prepare for further study at the postsecondary level for a broad array of health-related fields.

Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Health Science cluster affiliate with HOSA–Future Health Professionals.

This course can count as a student's required health class.

SPORTS MEDICINE I (14062G1010)

10 11 12

GRADE 10 - 12

YEAR-LONG / 1 CREDIT

REQUIRED PREREQUISITES: FOUNDATIONS OF HEALTH SCIENCE

COURSE FEE REQUIRED

Sports Medicine I introduces students to the field of sports medicine and its important goals of managing risk and preventing and treating sports-related injuries. The course presents basic concepts and skills regarding legal and ethical considerations, anatomy and physiology, safety, nutrition, assessment, therapeutic exercise, and physical modalities.

Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Health Science cluster affiliate with HOSA–Future Health Professionals.

SPORTS MEDICINE II (14062G1011)

11 12

YEAR-LONG / 1 CREDIT

GRADE 11 - 12

REQUIRED PREREQUISITES: SPORTS MEDICINE I

COURSE FEE REQUIRED

Sports Medicine II extends the content of Sports Medicine I with strong emphasis on musculoskeletal injuries and on psychological and sociological responses to injuries and illness. The course also emphasizes critical thinking, oral and written communication of anticipated outcomes, and patient care skills related to prevention, rehabilitation, and management. Course content incorporates basic pathophysiology, kinesiology, and principles of treatment. Analysis of a variety of health situations related to the sports medicine pathway is also included through project-based learning, laboratory activities, and simulation.

Career and Technical Student Organizations are integral, co-curricular components of each career and technical education course. These organizations enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and access opportunities for personal and professional growth. Students in the Health Science cluster affiliate with HOSA–Future Health Professionals.

CTE LAB IN HEALTH SCIENCE (14999G10000)

11 12

YEAR-LONG / 1 OR 2 CREDITS

GRADE 11 - 12

RECOMMENDED PREREQUISITES: SPORTS MEDICINE I OR INSTRUCTOR APPROVAL

COURSE FEE REQUIRED

The CTE Lab in Health Science will be a completely “hands on” learning experience during 7th and/or 8th periods. Students will be involved in every aspect of evaluating and treating injuries from the Athletic Training Room, physician, and physical therapy perspective.

EMERGENCY MEDICAL TECHNICIAN TRAINING PROGRAM
DUAL ENROLLMENT SCHOLARSHIPS PROVIDED

Recommended for students who are planning collegiate studies in nursing, pre-medicine, pre-dentistry, pre-pharmacy, pre-physician assistant and other professional health occupation studies or students interested in a career as a firefighter or EMT.

Participating students must take the EMT National Registry Exam before graduation.

JSCC-EMS 118 EMERGENCY MEDICAL TECHNICIAN (14999C1004)

12

EACH SEMESTER: .5 CREDIT | 9 SEMESTER HOURS OF COLLEGE CREDIT — GRADE 12

REQUIRED PREREQUISITES: COURSE OPEN TO ALL STUDENTS IN GRADE 12 WITH 2.5 UNWEIGHTED GPA OR HIGHER. QUALIFYING BIOMEDICAL AND FIRE AND EMERGENCY SERVICES ACADEMY STUDENTS WILL BE GIVEN PREFERENCE BUT PRIOR PARTICIPATION IN THESE PROGRAMS IS NOT REQUIRED.

COURSE FEE REQUIRED

MEETING: DAILY DURING SCHOOL HOURS

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

JSCC-EMS 119 EMERGENCY MEDICAL TECHNICIAN CLINICAL (14999C0505)

12

SEMESTER / .5 CREDIT | 1 SEMESTER HOUR — GRADE 12

REQUIRED PREREQUISITES: COURSE OPEN TO STUDENTS IN GRADE 12 WITH 2.5 UNWEIGHTED GPA OR HIGHER. STUDENTS MUST BE ADMITTED INTO THE EMS PROGRAM PRIOR TO REGISTRATION AT JEFFERSON STATE COMMUNITY COLLEGE. STUDENTS MUST MAINTAIN A "C" OR HIGHER IN ANY EMS 118 TO BE ELIGIBLE FOR CLINICAL ROTATIONS.

COURSE FEE REQUIRED

MEETING: SCHEDULED BY APPOINTMENT OFF CAMPUS AT CLINICAL ROTATION SITES.

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

Scholarship tuition funds may be awarded to students based upon the following criteria:

- Completed and accepted application to the Jefferson State Community College Emergency Medical Services Program.
- Qualifying Biomedical and Fire and Emergency Services Academy students will be given preference but prior participation in these programs is not required. Interviews will instructors may be required.
- ACT and GPA may be used to rank qualifying applicants for awarding of available scholarship funds.
- Qualified students who are not awarded a scholarship may self-pay the tuition class if class seats are available. Class sizes are subject to JSCC class size policy

The cost of fees, class supplies, clinical uniforms, health screenings, required immunizations and background checks may be the responsibility of the student if scholarship funds are not available.

ENGINEERING ACADEMY

The Hewitt-Trussville Engineering Academy will prepare our students for the increasing technological demands of the global environment. The students enrolled in this program will utilize math, science, technical writing, and computer skills as they explore different areas of engineering. This program will serve as a platform for students who wish to pursue an engineering or technical degree after high school.

Students work as a team, utilizing the latest engineering software to design products and solve problems. Students develop their problem-solving skills as they progress through the curriculum. The program is structured to meet the needs of regional, state and local industries.

The Project Lead the Way Engineering Curriculum (www.pltw.org) is a nationally recognized engineering curriculum for high school level students designed to increase the quantity and quality of engineers. The high school program is a four-year sequence of courses which, when combined with college preparatory mathematics and science courses in high school, introduces students to the scope, rigor and discipline of engineering prior to entering a four-year college engineering program.

COURSE SEQUENCE		
1st Course:	Introduction to Engineering Design (IED)	(21017G1000)
2nd Course:	Principles of Engineering (POE)	(21018G1000)
3rd Course Options:	Civil Engineering and Architecture (CEA)	(21021G1000)
	Computer Integrated Manufacturing (CIM) / Robotics	(21022G1000)
	Aerospace Engineering (AE)	(21019G1000)
	Engineering Design and Development (EDD) SENIORS ONLY	(21025G1000)
4th Course Options:	Civil Engineering and Architecture (CEA)	(21021G1000)
	Computer Integrated Manufacturing (CIM) / Robotics	(21022G1000)
	Aerospace Engineering (AE)	(21019G1000)
	Engineering Design and Development (EDD) SENIORS ONLY	(21025G1000)

INTRODUCTION TO ENGINEERING DESIGN (IED) (21017G1000)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADE 9 - 12

RECOMMENDED PREREQUISITES: NONE

COURSE FEE REQUIRED

Introduction to Engineering Design (IED) is a high school level course that is appropriate for 9th or 10th grade students who are interested in design and engineering or another technical career. The major focus of the IED course is to expose students to a design process, professional communication and collaboration methods, design ethics, and technical documentation. IED gives students the opportunity to develop skills in research and analysis, teamwork, technical writing, engineering graphics, and problem solving through activity-, project-, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB-learning challenges students to continually hone their interpersonal skills and creative abilities while applying math, science, and technology knowledge learned in other courses to solve engineering design problems and communicate their solutions. Students will utilize the latest 3D solid modeling software to create their design solutions.
May earn Autodesk Fusion 360 Certified User

PRINCIPLES OF ENGINEERING (POE) (21018G1000)

10 11 12

YEAR-LONG / 1 CREDIT

GRADE 10 - 12

REQUIRED PREREQUISITES: INTRODUCTION TO ENGINEERING DESIGN

COURSE FEE REQUIRED

This survey course of engineering exposes students to some of the major concepts they'll encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community. This course is designed for 10th or 11th grade students.
May earn Autodesk Fusion 360 Certified User

** NCAA Approved Course*

COMPUTER INTEGRATED MANUFACTURING (CIM) / ROBOTICS (21022G1000)

11 12

YEAR-LONG / 1 CREDIT

GRADE 11 - 12

REQUIRED PREREQUISITES: INTRODUCTION TO ENGINEERING DESIGN AND PRINCIPLES OF ENGINEERING

COURSE FEE REQUIRED

The major focus of this course is to answer questions such as: How are things made? What processes go into creating products? Is the process for making a water bottle the same as it is for a musical instrument? How do assembly lines work? How has automation changed the face of manufacturing? As students find the answers to these questions, they learn about the history of manufacturing, a sampling of manufacturing processes, robotics, and automation. The course is built around several key concepts: computer modeling, Computer Numeric Control (CNC) equipment, Computer Aided Manufacturing (CAM) software, robotics and flexible manufacturing systems. This course is designed for 11th or 12th grade students.

CIVIL ENGINEERING AND ARCHITECTURE (CEA) (21021G1000)

11 12

YEAR-LONG / 1 CREDIT GRADE 11 - 12

REQUIRED PREREQUISITES: INTRODUCTION TO ENGINEERING DESIGN AND PRINCIPLES OF ENGINEERING OR INSTRUCTOR APPROVAL

COURSE FEE REQUIRED

The major focus of Civil Engineering and Architecture is completing projects that involve both residential and commercial building design. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of a property. In addition, students use 3D architecture software to design solutions to solve major course projects. Students learn about documenting their project, solving problems, and communicating their solutions to their peers and members of the professional community. The effect of construction on environmental quality is thoroughly explored, including such aspects as wastewater management and green building options. This course is designed for 11th or 12th grade students.
May earn Autodesk Revit Certified User

AEROSPACE ENGINEERING (AE) (21019G1000)

11 12

YEAR-LONG / 1 CREDIT GRADE 11 - 12

REQUIRED PREREQUISITES: INTRODUCTION TO ENGINEERING DESIGN AND PRINCIPLES OF ENGINEERING

COURSE FEE REQUIRED

Aerospace Engineering ignites students' learning in the fundamentals of atmospheric and space flight. Aerospace Engineering is one of the specialization courses in the PLTW Engineering program. The course deepens the skills and knowledge of an engineering student within the context of atmospheric and space flight. Students explore the fundamentals of flight in air and space as they bring the concepts to life by designing and testing components related to flight such as an airfoil, propulsion system, and a rocket. They learn orbital mechanics concepts and apply these by creating models using industry-standard software. They also apply aerospace concepts to alternative applications such as wind turbines and parachutes. Students simulate a progression of operations to explore a planet, including creating a map of the terrain with a model satellite and using the map to execute a mission using an autonomous robot.

ENGINEERING DESIGN AND DEVELOPMENT (EDD - SENIOR DESIGN) (21025G1000)

12

YEAR-LONG / 1 CREDIT GRADE 12

REQUIRED PREREQUISITES: INTRODUCTION TO ENGINEERING DESIGN AND PRINCIPLES OF ENGINEERING

COURSE FEE REQUIRED

This capstone course allows students to design a solution to a technical problem of their choosing. They have the chance to eliminate one of the "Don't you hate it when…" statements of the world. This is an engineering research course in which students work in teams to research, design, construct, and test a solution to an open-ended engineering problem. The product development life-cycle and a design process are used to guide and help the team to reach a solution to the problem. The team presents and defends their solution to a panel of outside reviewers at the conclusion of the course. The EDD course allows students to apply all the skills and knowledge learned in previous engineering courses. The use of 3D design software helps students design solutions to the problem their team has chosen. This course also engages students in time management and teamwork skills, a valuable asset to students in the future. This course is designed for 12th grade students.

HOSPITALITY & CULINARY ARTS ACADEMY

The mission of the Hospitality & Culinary Arts Academy is to provide students with a comprehensive education about the culinary arts and hospitality industry. We are proud to be incorporating the nationally recognized ProStart program which allows students to gain college credits and professional certifications. The Academy integrates both academic and technical skills and caters to serious students who have an interest in learning about and/or pursuing careers in the culinary arts and hospitality field.

The Academy has an articulation agreement with The Hospitality and Culinary Arts Institute at Jefferson State Community College. This agreement allows students to earn articulated credit of up to 6 hours towards a hospitality or culinary arts degree. In addition, we have articulation agreements with all community college culinary programs in the state of Alabama.

Academy students have the opportunity to earn the ServSafe nationally recognized credential in their second year in the program.

THE ORDER OF COURSES FOR THE HOSPITALITY & CULINARY ARTS ACADEMY:

- Hospitality and Tourism (Intro to Culinary)
- Culinary Arts I
- Culinary Arts II

HOSPITALITY AND TOURISM (INTRO TO CULINARY) (16001G1000)

10 11 12

YEAR-LONG / 1 CREDIT

GRADE 10 - 11

RECOMMENDED PREREQUISITES: SOPHOMORE OR JUNIOR STATUS *COMPLETED APPLICATION AND INTERVIEW REQUIRED. APPLICATIONS ARE AVAILABLE IN THE HTHS COUNSELOR'S OFFICE AND SHOULD BE SUBMITTED TO THE GRADE LEVEL COUNSELOR.

FOOD AND SUPPLIES FEE REQUIRED

This is an introductory course for students interested in pursuing a career in the hospitality, tourism and/or culinary arts industry. Students will explore a broad range of subjects including: career pathways; types of recreation, travel and tourism activities; current trends in food-service and lodging operations; front and back of the house service standards; fundamentals of food safety and kitchen sanitation; culinary terminology; introduction to commercial equipment and small-wares; basic knife skills; the alchemy of taste; recipe standardization and cost control; herbs and spices and the fundamentals of dietetics and nutrition. The course will be taught with a variety of methods including lecture, chef demonstrations, group activities, individual projects and hands-on lab-based learning. Cooking labs will focus on developing the students' fundamental cooking and baking skills. Topics include breakfast cookery; quick breads; soups; flat-breads; regional cuisine, and a variety of other food-related products and techniques.
May earn Certified Guest Service Professional

CULINARY ARTS I (16053G1012)

11 12

YEAR-LONG / 1 CREDIT — GRADE 11 - 12

REQUIRED PREREQUISITES: JUNIOR OR SENIOR STATUS AND SUCCESSFUL COMPLETION OF THE YEAR 1 HOSPITALITY AND TOURISM COURSE.

FOOD AND SUPPLIES FEE REQUIRED

LUNCH-STUDY COURSE

This course builds on the fundamental skills and knowledge acquired in the Year 1 Hospitality and Tourism foundational course. Students will broaden their knowledge base of the hospitality and culinary arts industry through a variety of topics including: hospitality and food-service operations management; purchasing, receiving and inventory control; hospitality business practices; restaurant design and menu development and marketing. The course will be taught with a variety of methods including lecture, chef demonstrations, group activities, individual projects and hands-on lab-based learning. Labs will focus on developing the students' intermediate cooking and baking skills. Topics include stocks, sauces, dry and moist heat cooking methods, garde manger; basic pastry skills; bread baking and a variety of other food-related products and techniques.

The nationally recognized ServSafe certification is an integral part of this course.

May earn ServSafe Manager

CULINARY ARTS II (16053G1022)

12

FALL SEMESTER/1 CREDIT — GRADE 12

REQUIRED PREREQUISITES: JUNIOR OR SENIOR STATUS AND SUCCESSFUL COMPLETION OF OR CONCURRENT ENROLLMENT IN CULINARY I. APPLICATION REQUIRED.

FOOD AND SUPPLIES FEE REQUIRED: - FEE INCLUDES FCCLA ORGANIZATION MEMBERSHIP DUES.

LUNCH-STUDY COURSE

This course builds on the intermediate skills and knowledge acquired in the Culinary 1 course. The course focuses on professional development and advanced culinary food production. Topics include advanced management concepts such as industry laws and regulations; hospitality entrepreneurship; the organization and implementation of special events, international cuisine, banquets and catered affairs; and resume building and interviewing skills. The course will be taught with a variety of methods including lecture, chef demonstrations, group activities, individual projects and hands-on lab-based learning. Labs will focus on developing the students' advanced cooking and baking skills.

DUAL ENROLLMENT BASIC FOOD PREPARATION LAB/CUA 120 (16999C0519)

12

SPRING SEMESTER/1 CREDIT — GRADE 12

REQUIRED PREREQUISITES: CULINARY ARTS II; GPA UNWEIGHTED 2.5 OR HIGHER

TUITION COST: COVERED BY A GRANT; FREE TO HTHS STUDENTS

LUNCH-STUDY COURSE

Students in this cooking lab course will be dually enrolled at Jefferson State Community College. Upon successful completion of the course, students will earn 2 credit hours towards a Hospitality Management Degree.

DUAL ENROLLMENT FOUNDATIONS OF NUTRITION/CUA 111 (16999C1006) (ONLINE ONLY) 12

SUMMER, FALL OR SPRING SEMESTER GRADE 12

REQUIRED PREREQUISITES: GPA UNWEIGHTED 2.5 OR HIGHER; JUNIOR OR SENIOR STATUS

TUITION COST: COVERED BY A GRANT; FREE TO HTHS CULINARY STUDENTS

LUNCH-STUDY COURSE

Students in this dual enrollment online class can earn 3 credit hours towards a Hospitality Management Degree. If senior students take this course fall semester concurrently with Dual Enrollment English 101; the grant will also cover the tuition cost of the English 101 class.

WORK BASED LEARNING

11 12

22998G1014 – ONE PERIOD (CREDIT) OF WORK-BASED LEARNING
22998G1014 – TWO PERIODS (CREDITS) OF WORK-BASED LEARNING
22998G1014 – THREE PERIODS (CREDITS) OF WORK-BASED LEARNING

MANDATORY PARENT MEETING (SEE APPLICATION FOR DETAILS)

COURSE FEE REQUIRED

Work Based Learning is a structured component of the Career and Technical Education (CTE) curriculum that integrates classroom instruction with productive, progressive, supervised, work-based "experiences or apprenticeships" (paid) and "internships" (unpaid), related to students' career objectives. Content is planned for students through a cooperative arrangement between the school and employer as a component of work-based learning.

It is recommended, but not required, that a student obtain concentrator status, (two courses within a CTE program) prior to enrollment in work-based learning. Students who have not obtained concentrator status must have successfully completed a minimum of one CTE credit. The Career Preparedness course will count as a Career Technical course.

A completed application packet is required to be considered for any Work-Based Learning placement. Application packets can be obtained in the HTHS Guidance Office or from WBL Coordinator, Amber Benson. All application packets must be completed and turned in to Mrs. Benson, Room A024.

The Coordinator will ensure that all requirements for cooperative education are met. The Coordinator ensures that the student:

- Is at least 16 years of age.
- Is classified as an 11th or 12th grader.
- Is on track for graduation.
- Has a clearly defined career objective.
- Possesses the knowledge, skills, behavioral qualities, and abilities required for successful employment.
- Is physically and mentally capable of performing the essential functions of the desired work-based experience. (Essential functions are responsibilities that must be performed by the position as identified by business and industry professionals. This list should be discussed with all students and/or at all IEP meetings).
- Has successfully completed or currently enrolled in the required prerequisite course, Career Preparedness, or documentation of course content objectives achieved.
- Has an acceptable attendance, grade, and discipline record as validated by the coordinator.
- Has transportation to and from the work site.
- Has completed an Application for Enrollment.
- Has provided the names of a minimum of three educators that know, and are not related to, the student and will complete recommendation forms including the teacher of the career cluster course, if applicable.

Students must successfully complete 140 work hours to earn one course credit and a majority of these hours (over 50%) should be worked Monday through Friday. Students must continue to be employed and work for the entirety of the semester, even once required hours are completed, to earn course credit.

Students are ultimately responsible for securing their own work experience/apprenticeship (paid) or internship (unpaid). The HTHS Work Based Learning Coordinator and/or HTHS Career Coach may have leads for jobs or internships and will provide any needed assistance with resumes, job applications, etc.

This is the link to the HTHS Work Based Learning Application for Enrollment and other information:
https://tinyurl.com/HTHS-CoOp-Packet25-26

ELECTRICAL CONSTRUCTION ACADEMY

The Electrical Construction Academy prepares students for employment and post-secondary studies in the electrical trade and related occupations.

All courses involve classroom and electrical lab work and all courses will lead to NCCER national certifications in the electrical trade. Students earning these certifications will have their name and certification level entered into a national database for future job opportunities. Students will also earn their OSHA safety certification and, upon graduation, will be eligible for employment with local area electrical contractors.

THE ORDER OF COURSES FOR THE ELECTRICAL CONSTRUCTION ACADEMY:

- Year One: Electrical Fundamentals
- Year Two: Electrical Technology
- Year Three: CTE Lab in Architecture and Construction
- Year Four: Career Pathway Project - Architecture and Construction

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ELECTRICAL FUNDAMENTALS (17102G1000)

9 10 11 12

YEAR-LONG / 1 CREDIT

GRADES 9-12

RECOMMENDED PREREQUISITES: NONE

COURSE FEE REQUIRED

Electrical Fundamentals is designed to provide students with basic knowledge and skills for work in the electrical industry. The course emphasizes safety while addressing basic electrical theory, National Electrical Code (NEC), terminology, conductors, circuit construction, basic alternating current, reactive circuits, and troubleshooting circuits.
May earn NCCER Core or Alabama Career Essentials (ACE) Credential

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ELECTRICAL TECHNOLOGY (17102G1001)

10 11 12

YEAR-LONG / 1 CREDIT

GRADE 10 - 12

REQUIRED PREREQUISITES: ELECTRICAL FUNDAMENTALS

COURSE FEE REQUIRED

Electrical Technology is an advanced study of the design and installation of residential, commercial, and industrial electrical systems. Topics include conductor selection, over-current protection, distribution systems, transformers, commercial electrical service, and selection and installation of luminaires for various situations. Precautions for hazardous locations are also stressed.
May earn NCCER Electrical I

CTE LAB IN ARCHITECTURE AND CONSTRUCTION (17017G1000)

11 12

YEAR-LONG / 1 CREDIT

GRADES 11 - 12

REQUIRED PREREQUISITES: ELECTRICAL TECHNOLOGY

COURSE FEE REQUIRED

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

CTE CAREER PATHWAY PROJECT - ARCHITECTURE AND CONSTRUCTION (17047G1001) 12

YEAR-LONG / 1 CREDIT GRADES 12

REQUIRED PREREQUISITES: CTE LAB IN ARCHITECTURE AND CONSTRUCTION

COURSE FEE REQUIRED

This is a senior capstone project based course.

FIRE & EMERGENCY WORK-BASED LEARNING (22998G1014)

11 12

YEAR-LONG / 1 CREDIT GRADE 11 - 12

REQUIRED PREREQUISITES: DESIRE TO WORK IN PUBLIC SAFETY, EXCELLENT ATTENDANCE & DISCIPLINE RECORDS, APPLICATION COMPLETED (SEE WORK-BASED LEARNING APPLICATION ON PREVIOUS PAGE OR SEE COORDINATOR), PARENTAL APPROVAL REQUIRED

PHYSICAL REQUIREMENTS: GOOD PHYSICAL CONDITION, ABLE TO STAND FOR LONG PERIODS
SELECTION: INTERVIEW WITH TRUSSVILLE FIRE & RESCUE TRAINING SUPERVISOR REQUIRED, STUDENTS SHOULD BE 11TH OR 12TH GRADE AND HAVE TRANSPORTATION.

COURSE FEE REQUIRED

Students will participate in work-based learning at one of the Trussville Fire and Rescue stations. Students will be off campus during the last period of day; however, rotations at the fire station may be only one or two days a week for several hours each day. As part of this work-based learning experience, students will be required to participate in the Trussville Fire & Rescue student program where the student will go on emergency runs with fire department personnel. Transportation to the assigned fire station must be provided by the student/guardian. Some of this coursework may expand beyond regular school hours.

Experiences may include but are not limited to:

- Emergency Medical Experiences
- Fire Experiences
- CPR
- Using Charged Hose Lines
- Taking Patient Vital Signs
- Using Self-Contained Breathing Apparatus
- Patient Assessment
- Using Portable Extinguishers
- Bleeding Control
- Search and Rescue
- Injury Management
- Learning Ropes and Knots

****Students will not enter an uncontrolled burning structure.*

Achievable Certifications

- CPR
- NREMT-EMR

THE ACADEMY OF CRAFT TRAINING

11 12

The Academy of Craft Training is a public/private partnership between the construction industry and the State of Alabama's K-12 education system. Their mission is to recruit, educate and guide high school students for educational and employment opportunities in the construction industry. (Courses are available to Juniors and Seniors)

Students are transported to the AWTC facility in Birmingham 5 days a week and receive appropriate Math and education requirements along with their training.

The Academy is a simulated workplace environment that follows drug screening requirements and policies and procedures mirroring that of industry.

TRADES	COURSE NAME	COURSE CODE	CREDITS
FOUNDATION COURSE	Architecture and Construction and Foundations *(Foundation course for all trade programs)*	17002G1002	1
BUILDING CONSTRUCTION/ INTERIOR EXTERIOR FINISHES	Carpentry: Commercial Framing and Layout	17013G1001	1
	Construction Foundation Layout	17002G1011	1
HVAC	HVAC Fundamentals	17056G1001	1
	HVAC Installation and Operation	17055G1001	1
WELDING	Welding: SMAW I	13207G1001	1
	Welding: SMAW II	13207G1002	1
ELECTRICAL	Electrical Fundamentals	17102G1000	1
	Electrical Technology	17102G1001	1
	Career Mathematics *(Applies to all Trade Programs)*	02153G1001	1
	Career Pathway Project - Architecture and Construction *(Capstone Class for all Trade Programs)*	17047G1001	1