

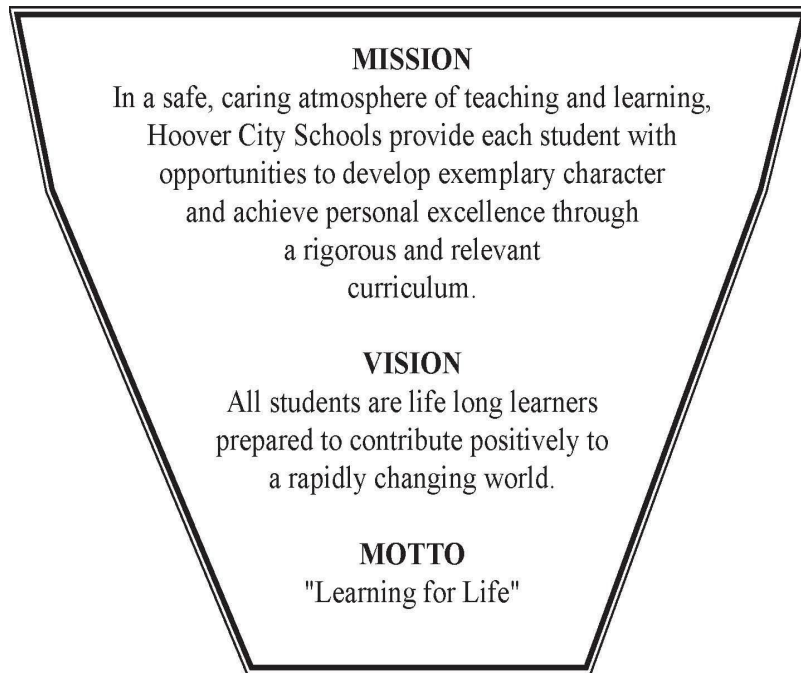
HOOVER HIGH SCHOOL



COURSE SELECTION GUIDE

2020-2021

THE MISSION, VISION, AND MOTTO OF HOOVER CITY SCHOOLS



HOOVER HIGH SCHOOL MISSION

Hoover High School exists to provide a learning environment for academic excellence where students think critically, take responsibility for their actions, are connected to the community, and are challenged to reach their individual potential for success in the future.

HOOVER HIGH SCHOOL BELIEFS

- Every student is valued and connected to the school community and supported as an individual in seeking education to attain personal goals and aspirations.
- Learning is enhanced when students think critically and take ownership/personal responsibility for the process.
- Students learn best when challenged and actively engaged in relevant, contextual, and meaningful activities.
- The best learning atmosphere is one in which student learning styles and teacher instructional styles are mutually acknowledged, enhanced, and encouraged.
- The instructional staff is organized to provide appropriate instruction to prepare students for their experiences in HIGH school and following graduation.

EQUAL EDUCATIONAL OPPORTUNITIES

(Board policy, 6.6) No student will be unlawfully excluded from participation in, be denied the benefits of, or be subjected to discrimination in any program or activity offered or sponsored by the Board on the basis of race, ethnicity, color, disability, creed, national origin, sex, immigrant or migrant status, non-English speaking ability, or homeless status. All career and technical education opportunities are offered to all students regardless of race, color, national origin, sex, or disability. The district also provides equal access to the Boy Scouts and other designated youth groups.

Mrs. Claire Jones-Moore, IDEA Coordinator
Mrs. Anna Whitney, Section 504 Coordinator
Dr. Debra Walker Smith, Title I Coordinator
Dr. Debra Walker Smith, Title II Coordinator
Dr. Debra Walker Smith, Title III Coordinator
Dr. Tera Simmons, Title IX Coordinator

Hoover City Schools
2810 Metropolitan Way
Hoover, AL 35243
(205) 439-1000

EQUAL EMPLOYMENT OPPORTUNITY

(Board policy, 5.14.1) The Board is an equal opportunity employer. Personnel actions and decisions will be made without regard to factors or considerations prohibited by federal or state law (as such laws may from time to time be amended), including but not limited to race, gender, age, disability, national origin, citizenship, and religious preference. Subject to the limitations set forth in 4.6.2, the general complaint (grievance) policy (4.6.1) may be used to present any complaint alleging unlawful discrimination or harassment. Inquiries regarding compliance and complaint procedures can be directed to:

Mary Veal, Equal Opportunity Employment Coordinator
Hoover City Schools
2810 Metropolitan Way
Hoover, AL 35243
(205) 439-1000

CHILD FIND

Help Hoover City Schools locate, identify, and evaluate Hoover residents from birth to age 21 who have disabilities or who are suspected of having disabilities. Contact the Department of Instructional Support Services for Hoover City Schools at (205) 439-1051.



HOOVER HIGH SCHOOL

1000 Buccaneer Drive

Hoover, AL 35244

Telephone: (205) 439-1200

Fax: (205) 439-1201

PRINCIPAL

JOHN MONTGOMERY

ASSISTANT PRINCIPALS

JENNIFER BOX

TAURUS FELTON

BRAD HAYN

JENNIFER HOGAN

MIRIAM MOORE

DONNA SMILEY

ATHLETIC DIRECTOR

ANDY URBAN

ASSISTANT ATHLETIC DIRECTORS

LISA BRIDGMAN

KEVIN BUTLER

NICK SMITH

GRADE-LEVEL COUNSELORS

MERRILL FRIDAY, Class of 2024

ASHLEY DOUDNA, Class of 2023

JENNIFER JOHNSON, Class of 2022

MARLEY STEPHENS, Class of 2021

COLLEGE/CAREER COUNSELOR

CINDY BOND

INTERVENTION COUNSELOR

ASHLEY FUQUA

TESTING COORDINATOR

ASHLEY DAVENPORT

TABLE OF CONTENTS

| General Information | Page(s) |
|---|-------------------------------|
| Planning your HS Career | <u>6-12</u> |
| Advanced Placement | <u>13</u> |
| International Baccalaureate | <u>14-15</u> |
| Dual Enrollment | <u>16-18</u> |
| List of Course Fees | <u>19</u> |
| Four-Year Educational Plan | <u>20</u> |
| Virtual Classes | <u>21</u> |
| Senior Release | <u>22</u> |
| National Honor Society | <u>22</u> |
| Course Descriptions | |
| English and English Electives | <u>23-26</u> |
| Mathematics and Math Electives | <u>27-33</u> |
| Science and Science Electives | <u>34-41</u> |
| Social Studies and Social Studies Electives | <u>42-48</u> |
| Air Force JROTC | <u>49-50</u> |
| Computer Science | <u>50</u> |
| Fine Arts Academy | <u>51</u> |
| Visual Arts | <u>52-55</u> |
| Dance | <u>56</u> |
| Band and Band Auxiliary Groups | <u>57-58</u> |
| Music - Choral | <u>59-60</u> |
| Music Electives | <u>61</u> |
| Theatre | <u>62-63</u> |
| Physical Education / Health / Athletics | <u>64-66</u> |
| World Languages | <u>67-71</u> |
| Career Technical Education Electives | <u>72-74</u> |
| Work- Based Learning and Co-Op | <u>75</u> |
| General Electives | <u>76-80</u> |
| Business and Entrepreneurship Academy | <u>81-83</u> |
| Engineering Academy | <u>84-85</u> |
| Family and Consumer Sciences Academy | <u>86-91</u> |
| Fine Arts Academy | <u>92</u> |
| Law Academy | <u>93-94</u> |
| Riverchase Career Connection Center (RC3) Academies | <u>95-104</u> |

PLANNING YOUR HIGH SCHOOL CAREER

The goal of Hoover High School is to provide an educational program that will empower all students to make choices and meet the challenges of the 21st century. Each student will follow a series of steps in selecting courses for the coming year.

1. Students will meet with counselors in groups to discuss curriculum requirements.
2. Students should begin conversations with teachers and parents concerning the following year's coursework. Self-assessment rubrics should be completed as part of that process.
[Self-assessment for rising ninth graders](#)
[Self-assessment for rising 10th - 12th graders](#)
[Advanced Level / Pre-IB Frequently Asked Questions](#)
3. Students and parents will study the course selection guide and make selections. Extreme care should be used in course selection since these selections have a direct bearing on post high school decisions. Consider academic strengths and weaknesses. *Do you have career interests and are your course selections taking you in that direction? In what school and non-school extracurricular activities will you participate, and how will these affect your study time?*
4. Parents should sign the registration sheet indicating approval of student choices. [Students enter course selections into INow.](#)
5. Counselors and teachers are available to discuss selections with students.
6. Students and counselors meet individually to confirm course selections as well as four-year plans.

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

- Look carefully at the prerequisites for courses you are interested in taking.
- Utilize standardized tests scores and teacher recommendations in choosing curriculum.
- Research college and career opportunities and requirements for entrance early in your high school years.
- Students who plan to apply to selective colleges and universities should have some advanced/AP/IB courses during high school as well as foreign language.

Twenty four (24) credits as specified in the Alabama High School Diploma section are required for graduation.

GRADING SCALE AND CALCULATION

The grading system at Hoover High School will reflect students' actual performance in all facets of learning. The following grading system will be used:

- 90 - 100 = A
- 80 - 89 = B
- 70 - 79 = C
- 60 - 69 = D
- Below 60 = F

Report cards will be issued at the conclusion of each 9-week grading period. Report card grades will list percentages as well as letter grades. The semester grade will be based on the value of 40% for each nine (9) weeks and 20% for the semester exam.

Lunch Schedule

9th grade - Lunch A
10th grade - Lunch B
11th grade - Lunch C
12th grade - Lunch D

COURSE SELECTION CHANGE REQUESTS

| | |
|---------------------------|--|
| February 14 - March 13 | Students enter course requests in INow (directions provided). |
| March 13 | Last day for students to turn in Course Selection Sheets |
| March 16-20 | Counselors Clean Up/Call down students who did not turn in course selection sheet. |
| March 20 | Course Selection Process Complete |
| Mid-April | Students check course verifications online and also provide notice of new schedule change procedures |
| April 30 | Last day for course selection changes with no fee. |
| May 1 - May 15 | Changes for a \$50 fee. All changes must be submitted in writing and with a parent signature. |
| After May 15 | NO CHANGES AFTER THIS DATE |

No schedule changes will be made after summer registration or at the start of the school year except for errors (duplicate courses, etc.)

Pass/Fail Grading Procedures

(Optional Grading Procedure for Students Taking Eight Classes)

A student's grade point average can suffer if the student takes on more than the normal course load of seven (7) subjects in an academic year. A student can take additional coursework through either zero-period classes or summer school. If a student believes that such additional coursework beyond the normal seven (7) subject course load will have a negative impact on their GPA, that student can apply for one or more of their elective classes to be graded as Pass/Fail. No courses required for graduation may be graded Pass/Fail. Students must request this before the 10th day of the semester.

Student Athletes and Curriculum

- A. **AHSAA**--Academic eligibility for participation in sports will be governed by the rules of the Alabama High School Athletic Association (AHSAA). Hoover High School is a member of the Alabama High School Athletic Association. Rules set forth by AHSAA govern all eligibility and participation criteria. Rules pertaining to high school athletic eligibility may be found at the AHSAA website. [Click Here to visit the AHSAA website](#). All questions regarding eligibility should be directed to the Athletic Director.
- B. **NCAA**--Students intending to participate in collegiate athletics at any 4 year college or university must seek eligibility status through the NCAA Eligibility Center. Please use this link (<https://web3.ncaa.org/hsportal/exec/hsAction>) to access their website for guidelines and policies. Most of our courses have been approved by the NCAA for course credit toward NCAA eligibility. Some of our courses (including virtual courses) are not recognized by the NCAA for eligibility status. If your student is seeking collegiate athletic eligibility, please confirm acceptance of all courses in which the student plans to enroll through the NCAA website. Additional information is available in the athletic office or the guidance office.
- C. **Homeschool and Student Athletes**--The Alabama High School Athletic Association now allows homeschool student athletes to enroll and compete in state sanctioned athletic programs. Additional information is available in the HHS Athletic Office.

IMPORTANT NOTICE REGARDING SCHEDULING WITHIN HOOVER CITY SCHOOLS

Some differences in course offerings exist between Spain Park High School and Hoover High School (see list below). Students wishing to enroll in a course that is not offered at his or her assigned high school, but that is offered at the other HCS high school, may request an internal transfer.

Courses Offered at Hoover High School for 2020-2021, but not at Spain Park High School:

| | |
|--------------------------------------|------------------------------------|
| Air Force JROTC | US History in Film |
| Marine Science | World Religions |
| Junior Class Officers Elective Class | Business Management Principles |
| Sculpture | Personal Finance |
| Studio Art 3D Design | Science Independent Research |
| Photography | Spanish 2 Accelerated |
| Spanish 4/5 | All IB and Pre-IB courses |
| Accounting 1 & 2 (B & A Academy 3) | Sports and Entertainment Marketing |
| Latin 4/5 | STEM Team |

Courses Offered at Spain Park High School, but not at Hoover High School:

| | |
|---------------------------------|----------------------------------|
| Film Studies (English Elective) | Mythology |
| AP Human Geography | Shakespeare Poetry & Performance |

ALABAMA HIGH SCHOOL DIPLOMA

| Areas of Study | Requirements | Credits |
|------------------------------------|--|-----------|
| English Language Arts | English 9 English 10 English 11 English 12 | 4.0 |
| Mathematics | Geometry Algebra 1 Algebra 2 w/ Trig or Algebra 2 (or equivalent) 1 additional math course | 4.0 |
| Science | Biology A physical science (Physical Science, Chemistry, or Physics) 2 additional science courses | 4.0 |
| Social Studies | World History 9 US History 10 US History 11 Government/Economics | 4.0 |
| Physical Education | LIFE (Physical Fitness)* *(Starting with class of 2024, Beginning Kinesiology is the required class) Dance with completion of LIFE/ Beginning Kinesiology Band with completion of LIFE/ Beginning Kinesiology AFJROTC | 1.0 |
| Health Education | Health Education | 0.5 |
| Career Preparedness | Career Preparedness Course or First-Year Academy Course | 1.0 |
| CTE /World Languages /Fine Arts | Students choose any combination of Career Technical Education (i.e. Most academies, FACS, computer, and business), Arts Education, and/or World Languages courses | 3.0 |
| Electives | Any other state or locally approved elective courses | 2.5 |
| | Total Credits Required for Graduation | 24 |

College-bound students should research colleges of interest to ensure admission requirements are met prior to graduation. Some colleges require specific core courses as well as foreign language and fine arts. In addition, most colleges require a minimum grade point average and an acceptable score on the ACT or SAT.

*All students must successfully pass a civics test as a required component for completing the government course required in the high school course of study.

Students with disabilities now have three pathways for earning the Alabama High School Diploma: General Education Pathway, Essentials/Life Skills Pathway, and Alternate Achievement Standards (AAS) Pathway. See special education case manager for specific requirements regarding these pathways.

Students who take Algebra 1 in eighth grade and complete pre-calculus by the end of their junior year will have satisfied the four year requirement for math; however, HHS recommends that all students take a math course for four years during high school to prepare them for college.

Students may use credits from a high school course taken during middle school in the subjects of Algebra 1, Geometry, and the first year of a foreign language to apply towards meeting graduation requirements. If the student re-enrolls in equivalent courses as an entering high school student, the courses will NOT be applied to the high school transcript. High school credits earned in middle school may not be weighted. Because the middle school courses were taken before the student was officially enrolled at the high school level, credits posted to the high school transcript are voluntary. Parents, or students who are 18 or older, may request in writing that such credits be removed from their transcript at any time prior to the first day of class of the final semester of the senior year. Written requests for the removal of such credits should be given to the student's academic counselor.

Additional Hoover City Schools Diploma Endorsements

Students may earn the optional high school diploma endorsement listed below by completing coursework extending beyond the state minimum graduation requirements according to criteria authorized by the state board of education and additional requirements authorized by the local board of education:

Hoover City Schools Seal of Scholastic Excellence

- At least four (4.0) credits that meet one of the following criteria:
 - Two (2.0) credits of a world language in the same language and two (2.0) credits in a college-level course (i.e., Advanced Placement, International Baccalaureate, or Dual Enrollment classes), or
 - Three (3.0) credits of a world language in the same language and one (1.0) credit in a college-level course (i.e., Advanced Placement, International Baccalaureate, or Dual Enrollment classes)
- At least two (2.0) credits of science that meet one of the following criteria:
 - One (1.0) credit in Chemistry and one (1.0) credit in Physics, or
 - One (1.0) credit in Chemistry and one (1.0) credit in an Advanced Placement or International Baccalaureate science course
- At least one (1.0) credit in math at the Precalculus level
- Cumulative GPA of 3.00 or higher
- A minimum of 28.0 earned total credits

SPECIAL NOTE: In previous years, there were three other graduation credential documents that were used in Hoover City Schools, and those were the Alabama Special Education Graduation Certificate, the Alabama Occupational Diploma and the Hoover City Schools Certificate of Attendance. All of these credentials are no longer issued due to changes in state diploma and testing requirements.

Valedictorian/Salutatorian Selection Procedures for Class of 2017 and Beyond

Beginning with the class of 2017 every student enrolled in Hoover City Schools for a minimum of two years prior to graduation that has successfully completed all requirements to earn the Alabama High School Diploma, the Hoover City Schools Seal of Scholastic Excellence, and a minimum 4.45 grade point average will be named as valedictorian. For the purpose of determining valedictorian status the grade point average will be calculated using only courses taken in grades 9-12.

All students earning the rank of valedictorian will be recognized in the graduation program and have the opportunity to be elected from the group and invited by the Principal two weeks prior to graduation to present the Valedictory and Salutatory Addresses at graduation. This invitation is at the sole discretion of the Principal and can be revoked or reassigned at the Principal's discretion.

Guide to Course Name Conventions Used at the High School Level

The terms listed below are used at the end of course titles to denote their special status. Course titles that do not contain these terms are considered part of the regular curriculum. The regular HIGH school curriculum of Hoover City Schools is based on a college preparatory model, and students should always expect challenging content and homework (an average of 15 – 30 minutes per night for each academic course). Homework should typically include respectful tasks that support, but do not replace, classroom instruction. [Advanced Level / Pre-IB Frequently Asked Questions](#)

Pre-IB and Advanced Level courses are designations used by Hoover City Schools and Pre-IB is not authorized by the International Baccalaureate Organization.

Advanced Level:

Description: Used to denote Advanced Level courses that specifically include content and skills that help prepare students for taking an Advanced Placement course in the given subject. These courses will also prepare students for the International Baccalaureate program in those subjects that do not have specific Pre-IB courses.

Recommendation: Students with a strong work ethic who have demonstrated intellectual curiosity in the given subject and who desire to attempt college-level courses before graduating from high school.

Content distinction: These courses cover more challenging topics by moving faster through the content

Grade weight: + 0.50 quality points

Pre-IB:

Description: Used to denote Advanced Level courses that specifically include content and skills that help prepare students for participation in the International Baccalaureate program. ***The title Pre-IB designates a preparatory course for IB work, not an International Baccalaureate course.***

Recommendation: Any students with a strong work ethic who have demonstrated intellectual curiosity should enroll in Pre-IB classes. Due to the international component of IB, students taking Pre-IB should also be enrolled in Latin or Spanish courses.

Content distinction: These courses cover more challenging topics in greater depth and include content that is more focused on an international perspective to the given subject. Due to the

interdisciplinary nature of IB, students taking Pre-IB in grades 9 and 10 are required to take both the English and history courses.

Grade weight:

Pre-IB English 10 — + 0.50 for parity with Advanced Level English 9 - 10

Pre-IB U.S. History 10 — + 1.00 for parity with AP U.S. History 10

AP:

Description: Used to describe college-level courses that follow the Advanced Placement curriculum as defined by The College Board that prepares students for an examination at the end of the course, and the scores from these exams can be submitted for consideration of credit to colleges or universities

Recommendation: Students with a very strong work ethic who are prepared to begin college-level coursework in the given subject prior to graduation from high school

Content distinction: These courses move at a college pace and cover a deep range of content as defined by The College Board that represents the same topics that one would expect to find in freshmen and sophomore level courses at a typical college or university

Homework load: These courses require substantial reading and writing assignments outside of class, and students should expect on average an additional 30 – 40 minutes of homework per night for each course

Grade weight: +1.00 quality point

IB:

Description: Used to describe college-level courses that follow the International Baccalaureate curriculum as defined by the IB Organization in Geneva, Switzerland that prepares students for a series of examinations in all academic subjects, and the scores from these exams can be submitted for consideration of credit to colleges or universities

Recommendation: Students with a very strong work ethic who are prepared to begin college-level coursework in two or more academic areas prior to graduation from high school and who desire an interdisciplinary and global perspective in their education

Content distinction: These courses move at a college pace and cover a deep range of content as defined by the IB Organization that meets the standards of colleges and universities around the world as a benchmark of excellence

Homework load: These courses require substantial reading and writing assignments outside of class, and students should expect on average an additional 30 – 40 minutes of homework per night for each course

Grade weight: +1.00 quality point

Criteria: Student in IB must maintain an overall “C” average or better in academic classes.

Team:

Description: Used to denote Advanced Level courses that are associated with academic teams that represent the school in competitive events

Recommendation: Students with a strong work ethic who have demonstrated superior ability in the given subject and who can commit to substantial time demands outside of the regular school day

Content distinction: These courses move even faster through the content than their Advanced Level/IB peers, and they use class time gained by the faster pace to practice for competition in the given subject

Homework load (Math teams): On average, an additional 20 – 30 minutes per night for each course

Grade weight: + 0.50 quality points

Criteria: Approval of team sponsor

ADVANCED PLACEMENT

The Advanced Placement program is a nationally recognized program sponsored by The College Board which enables students to complete college level studies while still in high school and to obtain college placement credit on the basis of their performance on rigorous Advanced Placement examinations. Participation in Advanced Placement programs is often used as one of the criteria for academic scholarship and acceptance into many highly selective colleges. Advanced Placement courses are offered across the curriculum and students can pick and choose specific areas of interest in which to challenge themselves.

AP Capstone and the AP Diploma

Beginning in the 2014-2015 school year Hoover High School was selected to be one of one hundred schools across the world to offering students the opportunity to earn an AP Diploma in addition to the Alabama High School Diploma. The AP Capstone program equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone is built on the foundation of a two-course high school sequence —AP Seminar (11th or 12th grade) and AP Research (12th grade and has a prerequisite of AP Seminar)— and is designed to complement and enhance the in-depth discipline-specific study provided through all of the AP courses. This two year sequence offers a unique preparation for college success.

Students who complete the AP Capstone courses and earn a score of 3 or higher on the corresponding AP examinations receive the AP Capstone Certificate. Students who earn scores of 3 or higher on both Capstone courses and on four additional AP exams of their choosing receive the [AP Capstone Diploma](#). Visit www.collegeboard.org/apcapstone for more information.

HHS Advanced Placement (AP) Course Offerings

| | |
|----------------------------------|----------------------------|
| Biology | Music Theory |
| Calculus AB | Physics I and II |
| Calculus BC | Physics C |
| Chemistry | Psychology |
| Computer Science A | Seminar (Capstone Course) |
| Computer Science Principles | Spanish Language |
| English Language & Composition | Spanish Literature |
| English Literature & Composition | Statistics |
| Environmental Science | Studio Art |
| French Language | Research (Capstone Course) |
| Macroeconomics | US History 10 & 11 |
| | US Government & Politics |

INTERNATIONAL BACCALAUREATE PROGRAM

The Hoover City Schools International Baccalaureate Program (located at Hoover High School) allows our students to receive a world class, comprehensive education.

Hoover High became an authorized IB World School in 1997, with our first graduates in 1998. Since then our students have routinely scored above the state, national, and worldwide average on their IB exams.

Over 3,300 IB schools worldwide serve over a million students in 144 countries. Hoover High is one of more than a dozen high schools in Alabama that offers the IB Program. We have the second-largest IB Program in the state with just over 300 students in grades 9-12.

Students complete the IB Program during their junior and senior years of high school. Students choose IB classes in which they complete projects, labs and papers that are graded both by the classroom teacher and outside examiners. IB students also take end-of-course exams which are graded externally. Upon completion of these courses, students receive official IB scores which may earn college credit. Because IB is designed to be an interdisciplinary program, students must take at least two IB classes in each year. Students who earn passing scores in six IB subjects and satisfy the IB core requirements of CAS, EE and TOK may attain the prestigious IB Diploma.

The IB Diploma is more than a collection of classes. IB Diploma students complete and document a series of experiences that focus on creativity, physical activity, and community service. Students submit written reflections explaining how these experiences meet prescribed learning outcomes.. Students have a great deal of flexibility and responsibility in completing CAS in order to develop their own skills and interests.

IB Diploma students complete an [extended essay \(EE\)](#) on a topic of their choice, which allows them to engage in original, independent research with assistance from a faculty supervisor. One recent extended essay studied the ecosystem of the Cahaba River watershed that borders the HHS campus; the student's work won a statewide competition -- and received an A from IB examiners.

IB Diploma students also complete the [Theory of Knowledge \(ToK\)](#) course, which examines various ways of understanding the world around us and asks students to consider and question "how they know what they know." This class helps bring together the knowledge from different academic areas and enhances students' critical thinking, public speaking, and presentation skills.

Whether taking IB courses or pursuing the IB Diploma, IB students are exceptionally well-prepared for success in college and life.

If you have any questions about the IB program, please contact the IB Coordinator, Melissa Hamley in Office G201, mhamley@hoover.k12.al.us or 439-1371. **Students who are interested in taking IB classes in grades 11 and 12 but did not participate in Pre-IB 10th grade classes need to schedule a meeting with the IB Coordinator to make sure they have all necessary information about the program.

Want even more information about HCS IB?



Check out the [Hoover City Schools IB Program Webpage](#).



The Hoover High IB Diploma Course Summary (2020-21 school year)

| Subject ↓ | 9th grade | 10th grade | 11th grade | 12th grade |
|---|--|---|---|--|
| English Literature | Pre IB English 9 | Pre IB English 10 | IB English 11 | IB English 12 |
| Foreign Language (Spanish or Latin) | Latin 1 or Spanish 1 or Spanish 2 Advanced | Latin 2, or Spanish 2 Adv. or Spanish 3 | Latin 3, or Spanish 3 or IB Spanish 4 | IB Latin or IB Spanish 4 or Free Elective |
| History | Pre IB World History 9 | Pre IB US History 10 | IB History of Americas 11 | IB History of Americas 12 |
| Science | Biology, Advanced Level | Chemistry, Advanced Level | IB Bio 11 or IB Chem 11 | IB Biology 12 or IB Chemistry 12 |
| Mathematics | Geometry, Advanced Level or Geometry Team | Alg 2/Trig, Advanced Level or Team | IB Math Analysis SL OR IB Math Applications SL | AP Calculus AP Statistics |
| | Algebra 1 | Geometry, | Alg 2/Trig | IB Math Applications SL |
| Electives: Take ONE IB Elective, either Junior or Senior Year | Free Elective | Free Elective | IB Business Mgmt, IB Psychology, IB World Religions OR... | ...IB Music or IB Theater (senior year only) |
| Electives | Free Elective | Elective | Elective | Theory of Knowledge 12 |
| Homeroom "CREW" | Pre-IB CREW 9 | Pre-IB CREW 10 | Theory of Knowledge 11 (Blended Online) IB CREW 11 | IB CREW 12 |

Pre-IB designation is used by Hoover City Schools and not official name authorized by the IB Organization.

Advanced Level s is formerly called Pre-AP -- a designation that was not an official name authorized by the College Board.

DUAL ENROLLMENT

Dual Enrollment (DE) offers high school students the opportunity to earn college credit while in high school. Participating students will receive both high school and college credit through dual enrollment. Earned credit will be placed on the Hoover High School transcript and be given a +.50 weight for GPA. For credit to be awarded at the student's attending university and count toward the college degree, the student will request for their transcript to be sent directly from Jefferson State, UA Early College, UAB, or Lawson State to the attending college.

Dual Enrollment courses are offered either online or in the traditional classroom setting at the college campus and in some cases at Hoover High School. Students eligible for dual enrollment must have completed their freshman year and have a minimum 3.0 grade point average for academic core courses (ex. English 101/102 (English 11/12), History 201/202 (US History 10,11), etc.) and a 2.5 grade point average for career technical elective courses (ex. Criminal Justice, Automotive, Electrical, Welding, Cosmetology, etc.).

Students that select to take courses through dual enrollment are responsible for paying tuition directly to the attending college. To complete an application for dual enrollment students must apply online to the credit granting college, request an official transcript to be sent from Hoover High School and receive signatures from Mrs. Bond, College and Career Specialist. Applications, cost, and more information can be found on the individual colleges websites or by clicking the link below:

[Jefferson State Community College](#)

[Lawson State Community College](#)

[University of Alabama Early College](#)

[University of Alabama at Birmingham](#)

Dual enrollment begins a student's college transcript and the grade made in the dual enrollment grade is posted to your high school transcript and counts toward your high school GPA as well as your college transcript. This is different than AP and IB coursework where the grades do not go with the student to college but credit is awarded based on a specific university's score acceptance policy based solely on how the student performs on the course specific AP/IB examination. Students that successfully complete their dual enrollment coursework are guaranteed college credit and do not rely upon an end of course assessment to be awarded college credit.

Prior to registering for any class, you should check with the college(s) where you are applying to verify that the course is transferable and needed for your particular major. A student must see Mrs. Bond to ensure that it is an acceptable course equivalent to what is needed for high school graduation.

Notice: Dual Enrollment, Advanced Placement, International Baccalaureate, advanced classes, and some elective coursework may not be provided if a student is assigned to the Crossroads School.

Dual Enrollment classes offered on HHS campus

ENG 101 - English Composition I (+0.50 grade weight) 903201

Grade Level: 11-12

Semester Course

**Can count for 11th or 12th grade English*

Prerequisite: Successful completion of ENG 093 or a score of 75 or higher on the English section of COMPASS, or a score of 20 or higher on the ACT (or equivalent SAT score). English Composition I provides instruction and practice in the writing of at least four (4) extended compositions and the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. English Composition I may include instruction and practice in library usage. (F, Sp, Su)

ENG 102 - English Composition II (+0.50 grade weight) 903202

Grade Level: 11-12

Semester Course

**Can count for 12th grade English*

Prerequisite: A grade of "C" or higher in ENG 101 or the equivalent. English Composition II provides instruction and practice in the writing of four (4) formal analytical essays, at least one of which is a research project using outside sources and/or references effectively and legally. Additionally, English Composition II provides instruction in the development of analytical and critical reading skills in the composition process. English Composition II may include instruction and practice in library usage. (F, Sp, Su)

MATH 112/113 PRECALCULUS ALGEBRA/TRIGONOMETRY (+0.50 grade weight) 907601 / 907602

Grade level: 11-12

Two Semester Course

**Can count for Precalculus*

Prerequisite: All core mathematics courses in Alabama must have as a minimum prerequisite high school Algebra I, Geometry, and Algebra II with Trigonometry and with an appropriate mathematics placement score. (For MTH 112: a 20 or above on the math section of the ACT and earn a "C" or higher in Algebra 2 w/Trig or Precalculus.)

The first semester course emphasizes the algebra of functions – including polynomial, rational, exponential, and logarithmic functions. The course also covers systems of equations and inequalities, quadratic inequalities, and the binomial theorem. Additional topics may include matrices, Cramer's rule, and mathematical induction. The second semester course emphasizes trigonometric (circular functions) and inverse trigonometric functions, and includes extensive work with trigonometric identities and trigonometric equations. The course also covers vectors, complex numbers, DeMoivre's theorem, and polar coordinates. Additional topics may include conic sections, sequences, and using matrices to solve linear systems.

MATH 110 FINITE MATH (+0.50 grade weight)

907600

Grade Level: 12

Semester course

**Can count for fourth year of required math needed for graduation*

Prerequisite: "C" or higher in Alg 2 or Precalculus and a 20 or higher on the ACT Math Score.

This course is intended to give an overview of topics in finite mathematics together with their applications, and is taken primarily by students who are not majoring in science, engineering, commerce, or mathematics (i.e., students who are not required to take calculus). This course will draw on and significantly enhance the student's arithmetic and algebraic skills. The course includes sets, counting, permutations, combinations, basic probability (including Bayes' Theorem), and introduction to statistics (including work with binomial

distributions and normal distributions), matrices and their applications to Markov chains and decision theory. Additional topics may include symbolic logic, linear models, linear programming, the simplex method and applications.

Math 120 (+0.50 grade weight) Calculus and Its Applications (Business Calculus)

Grade Level: 12

Semester course

**Can count for fourth year of required math needed for graduation*

Prerequisite: "C" or higher in Precalculus or Calculus and a 20 or higher on the ACT Math Score.

This course is intended to give a broad overview of calculus and is taken primarily by students planning to major in commerce and/or business. It includes differentiation and integration of algebraic, exponential, and logarithmic functions and applications to business and economics. The course should include functions of several variables, partial derivatives (including applications), Lagrange multipliers, L'Hopital's rule, and multiple integration (including applications).

HIS 201 - United States History I (+0.50 grade weight)

905004

Grade Level: 10-12

Semester Course

**Can count for 10th grade history*

This course surveys United States history during colonial, Revolutionary, early national and antebellum periods. It concludes with the Civil War and Reconstruction. (F, Sp, Su)

HIS 202 - United States History II (+0.50 grade weight)

905005

Grade Level: 10-12

Semester Course

**Can count for 11th grade history*

This course is a continuation of HIS 201. It surveys United States history from the Reconstruction era to the present. (F, Sp, Su)

Hoover City Schools

High School Consumable/Expendable Supply Payment Schedule 2020-2021

General Fees

| | |
|---|----------|
| Bucs/Jags Athletic Pass (optional) | \$60.00 |
| Credit advancement testing fee (optional) | \$50.00 |
| Locker fee (optional) | \$10.00 |
| Parking fee (optional) | \$50.00 |
| PSAT exam fee (optional) | \$15.00 |
| Report card mailing fee | \$6.00 |
| Schedule change request | \$50.00 |
| Summer school (optional, per semester credit) | \$200.00 |
| Technology device protection plan (optional, includes summer rental, per year) | \$25.00 |
| Transcript fee (alumni only upon completion of a personal information release form) | \$5.00 |

Academic Course Fees

| | |
|--|----------|
| Advanced Placement exam fee for Capstone and Research | \$142.00 |
| Advanced Placement exam fee other subjects (per course, excluding AP US Hy 10) | \$94.00 |
| International Baccalaureate program fee | \$325.00 |
| (Per year enrolled, 11 th and 12 th ; includes both Courses and Diploma candidates) | |
| Science lab fee | \$25.00 |
| (Excludes Physical Science, Biology (regular, not Advanced Level), Earth Science, & Environmental Science) | |

Elective Course Fees

| | |
|---|----------|
| Air Force JROTC (HHS ONLY) | \$25.00 |
| Band, jazz ensemble | \$40.00 |
| Band, marching (includes Aux Dance & Aux Flags) | \$180.00 |
| (Includes course fee, uniform rental, and band camp participation) | |
| Choir | \$40.00 |
| Choir uniform fee (required if you don't already have one). | \$75.00 |
| Dance, all courses except Aux Dance / Dance Team (see Band, marching) | \$25.00 |
| Drivers Education | \$30.00 |
| Family Consumer Science (year-long) | \$25.00 |
| Film studies, school license fee (US History Thru Film, Reading the Movies) | \$25.00 |
| Foods & Nutrition (year-long) | \$25.00 |
| Foods Innovations & Media (year-long) | \$25.00 |
| Law Academy courses | \$15.00 |
| Fitness & Conditioning - Boys (Athletes & Non-Athletes) | \$15.00 |
| Fitness & Conditioning - Girls | \$15.00 |
| Team Sports | \$15.00 |
| Theatre, all courses | \$15.00 |
| Visual Art, all others (semester) | \$25.00 |
| Visual Art, all others (year) | \$50.00 |
| Visual Art, Digital Photography | \$80.00 |
| Visual Art, Photography (HHS ONLY) | \$95.00 |

*Academy courses offered at RC3 have a fee of \$25.00.

*Refunds will only be processed if there is a school error or a class change the first ten days of school.

FOUR YEAR EDUCATIONAL PLAN

HOOVER CITY SCHOOLS

Name _____

| Career Plans: _____ | | | Today's date _____ | |
|---|---|--|---|---|
| Projected Graduation Date: _____ | | Current Grade Level: _____ | | |
| SUBJECT (UNITS) | NINTH GRADE School Year _____ | TENTH GRADE School Year _____ | ELEVENTH GRADE School Year _____ | TWELFTH GRADE School Year _____ |
| English (4) | <ul style="list-style-type: none"> ● English 9 ● Adv Level English 9 ● Pre-IB English 9 | <ul style="list-style-type: none"> ● English 10 ● Adv Level English 10 ● Pre-IB English 10 | <ul style="list-style-type: none"> ● English 11 ● AP English Language 11 ● IB English 11 ● Dual Enrollment ENG 101/102 | <ul style="list-style-type: none"> ● English 12 ● AP English Literature 12 ● IB English 12 ● Dual Enrollment ENG 101/102 |
| Social Studies (4) | <ul style="list-style-type: none"> ● World History 9 ● Adv Level World History ● Pre-IB World History | <ul style="list-style-type: none"> ● US History 10 ● AP US History ● Pre-IB US History ● Dual Enrollment HIS 201/202 | <ul style="list-style-type: none"> ● US History 11 ● AP US History 11 ● IB History of Americas 11 ● Dual Enrollment HIS 201/202 | <ul style="list-style-type: none"> ● Government ● AP Government ● Economics ● AP Economics |
| | | | | ● IB History of Americas 12 |
| Math (4) | <ul style="list-style-type: none"> ● Geometry ● Adv Geometry | <ul style="list-style-type: none"> ● Algebra 1 ● Algebra II/Trig ● Adv Level Algebra II/Trig ● Algebra II/Trig Math Team | <ul style="list-style-type: none"> ● Algebra II/Trig ● Advanced Level Algebra II/Trig ● Algebra II Non-Trig ● Precalculus ● Advanced Level Precalculus ● IB Math SL AA or AI | <ul style="list-style-type: none"> ● Precalculus ● Algebra II Non-Trig ● Discrete Math ● Calculus ● AP Calculus AB ● AP Calculus BC ● AP Statistics ● IB Math SL AA or AI ● Dual Enrollment MATH 110 - Finite Math ● Dual Enrollment MATH 112/113 Pre-Cal ● Dual Enrollment MATH 120 Calc and its Applications |
| Science (4) | <ul style="list-style-type: none"> ● Biology ● Adv Level Biology | <ul style="list-style-type: none"> ● Physical Science ● Chemistry ● Adv Level Chemistry | <i>Science course options for juniors and seniors (choose two):</i> | |
| | | | <ul style="list-style-type: none"> ● Chemistry ● Advanced Level Chemistry ● Environmental Science ● Marine Science ● Earth Science ● Anatomy/Physiology ● Forensics ● Physics ● AP Physics 1 ● AP Physics 2 ● AP Environmental Science | <ul style="list-style-type: none"> ● AP Physics B ● AP Physics C ● AP Environmental Science ● AP Chemistry ● AP Biology ● IB Biology 11 ● IB Biology 12 ● IB Chemistry 11 ● IB Chemistry 12 |
| Electives | <ul style="list-style-type: none"> ● Kinesiology/Band/Dance/JROTC ● Academy/Career Prep ● CTE/Art/World Lang _____ | <ul style="list-style-type: none"> ● Health ● Driver's Education ● CTE/Art/World Lang _____ ● CTE/Art/World Lang _____ | <ul style="list-style-type: none"> ● _____ ● _____ ● _____ | <ul style="list-style-type: none"> ● _____ ● _____ ● _____ |
| Parent initial: _____ | | | | |
| Student initial: _____ | | | | |

College-bound students should research colleges of interest to ensure admission requirements are met prior to graduation. Some colleges require specific core courses as well as foreign language and fine arts. In addition, most colleges require a minimum grade point average and an acceptable score on the ACT or SAT.

HHS VIRTUAL CLASSES

Hoover High School currently offers several classes in a virtual format. Students who are in these classes complete work and assignments provided online by a Hoover High School highly-qualified teacher. Students come to Hoover High School to complete tests and other graded assignments. This format allows students to strengthen their academic independence in a supported environment.

The virtual classes are set up in a format where all assignments are posted for students via an online learning platform, and timelines are provided for completion of assignments. Students in the online class work independently unless requested to come to HHS by their virtual class teacher. Students should commit to spend 4-5 hours weekly working on assignments and learning in each virtual course. With virtual classes, students can arrive later or leave earlier, depending on whether they have virtual classes at the beginning or end of their day.

If at any time a student falls behind, virtual teachers contact the student and the parents ASAP- just as they would in the traditional class setting. If a student is not being successful, the teacher works with the student to complete a plan for success. This includes the student being assigned face-to-face time in the classroom until the student gets back on track.

It is recommended that students interested in virtual classes should have a strong work ethic, read on grade-level, Show an ability to work independently, and have an overall grade point average of 2.5 to be successful in a virtual course. Virtual classes are currently offered for 9th – 12th graders. [Permission form](#) must be completed & turned in to the student's counselor.

Courses being offered for the 2020-21 school year:

| | | |
|--------------------------------|----------------------------------|--------------------------------|
| Algebra | English 9, 10, 11, 12 | Art I |
| Geometry | Biology | French I or II |
| Algebra II with Trig | Physical Science | Spanish I, II, or III |
| PreCalculus | Chemistry | Business Management Principles |
| World History | Environmental Science | Internet Marketing |
| US History 10, 11 | Forensics | Career Prep |
| Government/Economics | Earth Science | Public Speaking |
| Psychology | Kinesiology | Creative Writing (semester) |
| Sociology | Sports & Entertainment Marketing | ACT Prep (semester) |
| Science - Independent Research | Medical Terminology | Health (semester) |

The “Parental Permission and Contract” must be signed & turned in with student’s Course Selection Sheet:

<http://bit.ly/VirtualContract>

SENIOR EARLY RELEASE

High school seniors who are on track to graduate, may be released for up to 2 (two) elective periods per day if they meet the following conditions:

1. The student must have transportation to and from school. ***Students must be OFF CAMPUS within 10 minutes of the start of their release time.***
2. The student has **at least a 2.50 cumulative GPA** and not currently under Truancy Alert.
3. The student **must not have any un-recovered failures in classes that are required for graduation.** Additionally, in order to maintain Senior Release, the student must continue to pass all current 12th grade classes. Any failures during a student's senior year may result in the loss of Senior Release.
4. **The student will provide documentation that they are using this release time to further his or her personal educational goals in at least one of the following ways:**
 - a. Participating in private instruction in academic, athletic, or artistic pursuits
 - i. *High school athletes participating on school teams may not receive private athletic instruction during normal school hours (AHSAA eligibility rules)*
 - b. Working in a paid job or internship opportunity related to future career goals
 - c. Volunteering for a community service agency
 - d. Dual enrollment off campus

Senior students interested in the senior early release program should see his/her academic counselor to submit a [Senior Release Form](#).

NATIONAL HONOR SOCIETY

Juniors and seniors with a 3.65 or higher cumulative GPA are eligible to be considered for membership in the Hoover High School Chapter of the National Honor Society. Starting with the class of 2023, a 3.75 cumulative GPA will be the new minimum requirement to be eligible to apply. Those students who have met the GPA requirements will be e-mailed a letter over the summer inviting them to apply for membership. The four criteria used for membership are scholarship, leadership, service, and character. The student meets the scholarship requirements by virtue of having a high enough cumulative GPA but he or she must further qualify in the areas of leadership, service, and character. This process will be outlined at a meeting of all those students who are eligible for membership based on their having met the scholarship requirements. Parents are encouraged to attend this meeting that is typically held shortly after school starts in August. Interviews are not part of the selection process. An anonymous five member Faculty Council individually judges each student based on his or her completion of the National Honor Society application. The application requires each student give detailed information about his or her involvement in the areas of character, leadership, and service. It is highly recommended that students devote adequate time and thought to this portion of the application and each candidate may want to request that the completed form be reviewed with a parent and proofread prior to being submitted. A student's final admission into the National Honor Society will be determined by the Faculty Council and by teacher recommendations. All applicants are notified by mail if they are accepted or not into the National Honor Society.

Course Offerings

ENGLISH

In all English courses at Hoover High School, students are expected to acquire supplementary reading/vocabulary materials.

English 9th grade

200005

Course Video:

http://www.youtube.com/watch?v=qELtx836cfs&utm_source=trigger&utm_medium=email&utm_campaign=youtu_tube_ready

English 9 includes a review of basic grammar skills, composition and writing, literature study, and a vocabulary program incorporating Greek and Latin root words as well as vocabulary development for high stakes testing instruments. Students are introduced to the library facilities and are required to complete an informational research paper in addition to other modes of writing.

English 9th grade, Advanced Level (+.50 grade weight)

200007

Course Video: <http://www.youtube.com/watch?v=1fEH8nlc4ZA>

Recommendations: A score of 25 or higher on the [self-assessment rubric](#). Students enrolling in English 9 Advanced Level are those who anticipate enrolling in AP programs as juniors or seniors.

In addition to regular course of study, English 9, Advanced Level emphasizes critical thinking skills, literary analysis, formal essay writing, both timed and untimed, as well as group discussions and presentations. Students are also introduced to timed multiple choice simulations of adapted Advanced Placement testing instruments. Traditional and contemporary literary works are evaluated. This course moves at a rapid pace and is geared towards above-average readers, competent writers, and well-motivated, independent learners. It is aligned with The College Board Advanced Placement standards and assessments in ways that are appropriate expectations and challenges for ninth grade students.

English 9th GRADE, PRE-IB (+.50 grade weight)

200007aa

Recommendation: 1) A score of 25 or higher on the [self-assessment rubric](#)

Course Video: [9th grade English, Pre-IB Video](#)

This course is taken by ninth grade students who anticipate enrollment in the eleventh grade as IB Diploma Candidates. This course will follow the basic form of other advanced academic English classes, but will include works from world literature, additional writing instruction, and evaluation criteria based on the IB assessment standards. The Pre IB history and English courses are intended to be studied across disciplines and should be taken concurrently.

English 10th GRADE

200009

Prerequisite: English 9

Course Video: http://www.youtube.com/watch?v=IdpJs_YJRgM

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

English 10th grade, Advanced Level (+.50 grade weight)**200011**

Recommendations: 1) A score of 25 or higher on [self-assessment rubric](#), and 2) 85 average in prior English course

Course Video: <http://bit.ly/HHSAdvEng10Info>

English 10, Advanced Level follows the same basic curriculum as English 10, but it is intended for the above-average, well-motivated student. The class includes additional outside readings and places greater emphasis on critical thinking. It is aligned with The College Board Advanced Placement standards and assessments in ways that are appropriate for tenth grade students. Students enrolling in this course are anticipating enrollment in English 11, Advanced Placement Language and Composition and English 12, Advanced Placement Literature and Composition.

English 10th grade, Pre-IB (+.50 grade weight)**200011aa**

Course Video: <http://www.youtube.com/watch?v=2HpUoosIGXw>

Recommendation: A score of 25 or higher on the [self-assessment rubric](#)

This course is taken by sophomore students who anticipate enrollment in the eleventh grade as IB Diploma Candidates. The course will follow the basic form of an English, Advanced Level/IB class, but students will study more works from American and world literature, and the evaluation criteria will be based upon the IB language curriculum's assessment rubrics. The Pre IB history and English courses are intended to be studied across disciplines and should be taken concurrently.

English 11th GRADE**200013**

Prerequisite: English 10

Course Video: <http://www.youtube.com/watch?v=2WK4wkNO2ss>

English 11 introduces selections in American literature from 1900 to the present with an additional emphasis on grammar, composition, and vocabulary. Teachers stress literary and composition analysis to encourage critical thinking skills.

English 11th Grade - Virtual**200013aa**

Prerequisite: English 10

Requirement: [Permission Form](#) must be turned in with course selection sheet

The virtual version of English 11 will follow a similar course of study as traditional English 11. However, the virtual version will be designed for students to work independently on the material. Students are able to pace themselves, work from home, and enjoy control of their schedule. Students in a virtual course are only required to come to school to test or to get help as needed. All other communication will be done through e-mail and Canvas. Virtual courses can be a great transition between high school and college in that the student can practice learning in an environment that provides a level of freedom and accountability that is normal for a college campus while maintaining the rigor and curriculum that is normal for a high school campus.

Requirement: [Permission Form](#) must be turned in with course selection sheet

English 11th grade, Language AP (+1.00 grade weight)**200016**

AP Exam Fee: \$94

Recommendations: 1) A score of 25 or higher on the self-assessment rubric and 2) Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing.

Course Video: <https://youtu.be/eh-iU5aBwKw>

Advanced Placement Language and Composition is a college level course with a primary focus on analyzing contemporary non-fiction works, including works for mature readers. The reading and writing students do in the course should deepen and expand their understanding of how written language functions rhetorically: to

communicate writers' intentions and elicit readers' responses in particular situations. Strong emphasis is placed on developing the skills necessary to analyze and compose an argument. Students are asked to think critically about a variety of issues primarily through the study of essays, articles, speeches, podcasts, memoirs, and documentaries.

ENGLISH 11th GRADE, IB (+1.00 grade weight)

200022

Prerequisite: See criteria under IB Program

Recommendation: 1) A score of 25 or higher on [self-assessment rubric](#)

Course Video: <http://bit.ly/ibeng11csgvideo>

This course is the first part of a two-year International Baccalaureate curriculum that prepares students for higher-level (HL) assessments in literature and composition. Extra emphasis is placed on literary analysis, academic writing, oral presentation skills, and the study of world literature themes.

English 12th grade

200017

Prerequisite: English 11

Course Video: <https://youtu.be/4XW0N8a-x-U>

English 12 offers students a survey of British and world literature from Beowulf onward. Students should anticipate a substantial reading load as well as an emphasis on original composition, especially literary analysis. Standard components such as vocabulary, research, and textual analysis will figure heavily into the course.

English 12th grade - VIRTUAL

200017ad

Course Video: <http://www.youtube.com/watch?v=2mVSE5ajdCM>

Requirement: [Permission Form](#) must be turned in with course selection sheet

The virtual version of English 12 will follow a similar course of study as traditional English 12. However, the virtual version will be designed for students to work independently on the material. Students are able to pace themselves, work from home, and enjoy control of their schedule. Students in a virtual course are only required to come to school to test or to get help as needed. All other communication will be done through e-mail and Canvas. Virtual courses can be a great transition between high school and college in that the student can practice learning in an environment that provides a level of freedom and accountability that is normal for a college campus while maintaining the rigor and curriculum that is normal for a high school campus.

Requirement: [Permission Form](#) must be turned in with course selection sheet

English 12th grade, LITERATURE AP (+1.00 grade weight)

200020

AP Exam Fee: \$94

Recommendations: 1) A score of 25 or higher on the [self-assessment rubric](#) and 2) Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing.

Course Video: <http://www.youtube.com/watch?v=HLs7ba17C4M>

Advanced Placement English Literature and Composition is a college level course designed to follow the precepts of the College Entrance Examination Board. Students read from a variety of literary masterpieces including works for the mature reader. Emphasis is placed on literary analysis and critical composition.

IB ENGLISH 12th GRADE

200022aa

Prerequisite: IB English 11

Corequisite: One or more additional IB courses

Recommendation: 1) A score of 25 or higher on [self-assessment rubric](#)

Course Video: <http://bitly.com/HHSIBshow>

This course is the second part of a two-year International Baccalaureate curriculum that prepares students for higher-level (HL) assessments in literature and composition, in May of the senior year.

ENGLISH DUAL ENROLLMENT

ENG 101 - English Composition I (+0.50 grade weight)

903201

*Grade Level: 11-12, *Can count for 11th or 12th grade English*

Prerequisite: Successful completion of ENG 093 or a score of 75 or higher on the English section of COMPASS, or a score of 20 or higher on the ACT (or equivalent SAT score.)

English Composition I provides instruction and practice in the writing of at least six (6) extended compositions and the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. English Composition I may include instruction and practice in library usage. (F, Sp, Su) 3.000 Credit hours 3.000 Lecture hours

ENG 102 - English Composition II (+0.50 grade weight)

903202

*Grade Level: 11-12, *Can count for 12th grade English*

Prerequisite: A grade of "C" or higher in ENG 101 or the equivalent.

English Composition II provides instruction and practice in the writing of six (6) formal analytical essays, at least one of which is a research project using outside sources and/or references effectively and legally.

Additionally, English Composition II provides instruction in the development of analytical and critical reading skills in the composition process. English Composition II may include instruction and practice in library usage. (F, Sp, Su) 3.000 Credit hours 3.000 Lecture hours

ENGLISH ELECTIVES

AP SEMINAR

230089

Grade Level 11-12

Requirements: Currently enrolled in AP/IB English

AP Exam Fee: \$142

Course Video: <https://www.youtube.com/watch?v=gNzjskIBLIM>

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

AP RESEARCH

230088

Grade: 12 with a prerequisite of AP Seminar

Requirements: Currently enrolled in AP/IB English

AP Exam Fee: \$142

Course Video: <https://www.youtube.com/watch?v=gNzjskIBLIM>

AP Research is the second course in the **AP Capstone™** program and AP Seminar is a prerequisite for AP Research. Students in this class will work with a mentor to explore an academic topic, problem, or issue of interest and design, plan, and conduct a year-long research-based investigation to address it. By the end of the year-long study students will submit an academic paper of 4,000-5,000 words and offer an oral defense; during which you will answer 3-4 questions from a panel of evaluators. The AP Research score will be based on the paper, presentation, and defense.

MATHEMATICS

Hoover City Schools recommends that each student complete four years of math while in high school.

High School Math Pathways (Blue indicates classes using current COS)

| Current 8th Graders | Option 1 | Option 2 |
|---------------------|---|---|
| 8th (2019-2020) | 8th Grade Math | Algebra 1 |
| 9th | Geometry | Advanced Level Geometry (For students who have completed Algebra 1) |
| 10th | Algebra 1 with Probability | Algebra II with Statistics (Regular or Advanced Level) |
| 11th | Algebra II With Statistics | *New COS Specialized Course, IB Math (AA or AI) |
| 12th | *New COS Specialized Course, IB Math (AA or AI) | * New COS Specialized Course |

| Current 9th Graders | Option 1 | Option 2 |
|---------------------|---|--|
| 9th (2019-2020) | Algebra 1 | Advanced Level Geometry |
| 10th | Geometry | Algebra II with Trigonometry (Regular or Advanced Level) |
| 11th | Algebra II With Statistics | *New COS Specialized Course, IB Math (AA or AI) |
| 12th | *New COS Specialized Course, IB Math (AA or AI) | * New COS Specialized Course, |

| Current 10th Graders | Option 1 | Option 2 |
|----------------------|---|--|
| 10th (2019-2020) | Geometry (Regular or Advanced Level) | Algebra II with Trigonometry (Regular or Advanced Level) |
| 11th | Algebra II with Trigonometry (Regular or Advanced Level), Algebra II without Trig | Pre-Calculus (Regular or Advanced Level), DE Pre-Cal, IB Math (AA or AI) |
| 12th | *New COS Specialized Course, IB Math (AA or AI) | *New COS Specialized Course |

| Current 11th Graders | Option 1 | Option 2 | Option 3 |
|----------------------|-------------------------|--|--|
| 11th (2019-2020) | Algebraic Connections | Algebra II with Trigonometry (Regular or Advanced Level) | Pre-Calculus (Regular or Advanced Level) |
| 12th | Algebra II without Trig | Pre-Calculus (Regular or Advanced Level), Discrete, DE Pre-Cal, IB Math (AA or AI) | Discrete, Calculus, AP Calculus DE Pre-Cal, IB Math (AA or AI) |

*New COS Specialized Math Courses

1. Applications of Finite Mathematics (Similar to current Discrete class)
2. Mathematical Modeling (Similar to current Algebra with Finance class)
3. Pre-Calculus
4. Dual Enrollment Pre-Calculus
5. Calculus
6. Advanced Placement / International Baccalaureate classes (AA & AI)
7. Other approved course (Career tech, computer science, etc...)

GEOMETRY, Advanced Level (+.50 grade weight)**210012***Grade Level: 9**Prerequisite: Successful completion of 8th grade Algebra I.**Recommendations: 1) A score of 25 or higher on the [self-assessment rubric](#), 2) 85% or higher in Algebra I*Course Video: <http://www.youtube.com/watch?v=W20FtBoAinA>

This course is geared to the motivated student who plans to enroll in a Math Advanced Placement course in the future. This course covers the same topics as geometry with a more in-depth and challenging analysis of the major concepts and more emphasis on theory. Logical thinking is developed through concentration on direct and indirect proofs. This class also builds on concepts mastered in Algebra 1 which are necessary for Advanced Algebra II with Trigonometry the following school year.

GEOMETRY**Grade Level: 9****210010ae***Prerequisite: 8th grade math*Course Video: <http://www.youtube.com/watch?v=rRtDul1G67Q>

Geometry presents a logical development of the basic concepts and understanding of Euclidean geometry. Included in this course are topics from plane geometry, solid geometry and coordinate geometry. The geometry course requires students to make conjectures and use reasoning to validate or negate these conjectures. Concepts and skills involve deductive reasoning taught through the use of direct and indirect proofs. Topics include angles, parallel lines, triangles, special right triangles, Pythagorean Theorem, polygons, circles, area, volume, transformations. **Grade level 9 geometry is for students who have NOT completed Algebra 1 as 8th graders.**

GEOMETRY**Grade Level: 10****210010***Prerequisite: Algebra I*Course Video: <http://www.youtube.com/watch?v=rRtDul1G67Q>

Geometry presents a logical development of the basic concepts and understanding of Euclidean geometry. Included in this course are topics from plane geometry, solid geometry and coordinate geometry. The geometry course requires students to make conjectures and use reasoning to validate or negate these conjectures. Concepts and skills involve deductive reasoning taught through the use of direct and indirect proofs. Topics include angles, parallel lines, triangles, special right triangles, Pythagorean Theorem, polygons, circles, area, volume, transformations. **Grade level 10 geometry** builds on concepts mastered in Algebra I that are necessary for Algebra II with Trigonometry the following school year.

GEOMETRY, MATH TEAM (+.50 grade weight)**210012aa***Prerequisite: Algebra I**Grade Level: 9**Required Signature: Math team sponsor approval needed**Fee: Fundraiser/\$150*Course Selection: <http://www.youtube.com/watch?v=sCFB0P0V7Rs>

This course consists of an enriched and Advanced Level geometry course. First semester content includes most of the standard topics for the year excluding formal proofs. Short cuts, formulas, and test taking skills are supplemental. Second semester includes proofs, analysis, problem solving techniques, and introductory Algebra 2 topics. **See math team info below.**

ALGEBRA I**210005**

**For the 2020-21 School Year, Algebra will only be offered for students who are needing to re-take the class or who move in during the school year and are already enrolled in their transferring school.*

Course Video: <http://www.youtube.com/watch?v=P-hIisbMny4>

Algebra I introduces algebraic concepts dealing with the real number system, its properties and operations. Emphasis is on factoring, graphing linear equations, simplifying and evaluating expressions, performing operations on polynomials and rational expressions, inequalities, equations, systems of equations, quadratic and rational equations. Other topics include probability and statistics, functions, and relations

ALGEBRA II WITH TRIGONOMETRY**210017**

Grade Level: 10-11

Prerequisite: 75% average in Algebra I and Geometry

Texas Instrument calculator is required, preferably a TI-30XII

Course Video: <http://bit.ly/2159Hfw>

This course focuses on problem solving skills. Students should be proficient in solving multi-step equations, simplifying radicals, graphing linear functions, and factoring. Topics include complex numbers, algebraic expressions, linear equations, inequalities, systems of equations, matrices, coordinate geometry, radicals, absolute value, data analysis and probability, deriving the quadratic formula, applying quadratic and trigonometric functions to real life problems, defining the six trigonometric functions, coordinates on the unit circle, and the reciprocals of other functions. Students will analyze families of functions (linear, inverse variation, quadratic, exponential, logarithms, and polynomials) and perform operations on functions. Credit cannot be awarded for both Algebra II with Trigonometry and Algebra II Non-Trigonometry, but one of these is required for graduation.

ALGEBRA II WITH TRIGONOMETRY, Advanced Level (+.50 grade weight)**210017aa**

Grade Level: 10-11

Recommendations: 1) A score of 25 or higher on the [self-assessment rubric](#), 2) 85% or higher in Advanced Level Geometry

Course Video: <http://bit.ly/2159Hfw>

Advanced Level Algebra II with Trigonometry involves a review of the operations of the real number system, solutions of linear equations and inequalities in two and three variables, properties of polynomials, complex numbers, and rational expressions. The concepts of relations and functions are developed emphasizing linear, quadratic, exponential, logarithmic, and trigonometric functions. Sequences and series, conic sections, probability and matrix algebra are included in this course. Concepts related to statistical experiments are also a part of Advanced Level Algebra II. PreAP Algebra II is an analytical and rigorous approach to Algebra II concepts to prepare students for Advanced Placement in future math courses.

ALGEBRA 2 W/TRIGONOMETRY, MATH TEAM (+.50 grade weight)**210017ad**

Prerequisite: Geometry Advanced Level or Geometry Team

Grade Level: 10

Required Signature: Math team sponsor approval needed

Fee: Fundraiser/\$150

Video: <https://youtu.be/mehGJNamNbo>

This course covers the same topics as Algebra 2 with Trigonometry, Advanced Level with a more in-depth analysis of major concepts, more emphasis on theory, and covers topics from Precalculus. ***See math team info at the end of this section.***

ALGEBRA II, NON-TRIGONOMETRY**210016***Grade Level: 11-12**Prerequisite: Algebra I and Geometry*Course Video: <http://youtu.be/PZMLzZiQbDk>

Topics include complex numbers, algebraic expressions, linear equations, inequalities, systems of equations, matrices, coordinate geometry, radicals, absolute value, data analysis and probability. Students will analyze families of functions (linear, inverse variation, quadratic, exponential, logarithms, and polynomials) and perform operations on functions. If taken during 11th grade, this class prepares students for the Mathematical Modeling course in 12th grade.

PRECALCULUS**210020***Grade Level: 11-12**Recommendations: 80% average in current Algebra II with Trigonometry course**Texas Instruments Graphing Calculator Required*Course Video: <http://www.youtube.com/watch?v=6BopctqEbpA>

Precalculus is designed to provide the necessary prerequisites for the successful completion of college mathematics. Algebraic, graphical, numerical and verbal analyses are incorporated during investigations of the precalculus content standards. Parametric equations, polar relations, vector operations, conic sections, and limits are introduced. Content for this course also includes an expanded study of polynomial and rational functions, trigonometric functions, and logarithmic and exponential functions.

PRECALCULUS, Advanced Level (+.50 grade weight)**210020aa***Grade Level: 11-12**Recommendations: 1) A score of 25 or higher on the [self-assessment rubric](#), 2) 85% average in current Advanced Level Algebra II with Trigonometry course*Course Video: <http://www.youtube.com/watch?v=6BopctqEbpA>

Advanced Level Precalculus is designed as an in-depth study of conic sections, polynomial, logarithmic, exponential, logistic, rational, and trigonometric functions, trigonometric identities, vectors, complex numbers, polar graphs, parametric equations, sequences, series, matrices, probability, and statistics. The course culminates with an introductory study of calculus involving limits and derivatives. The intensity and pace of this course **is more rigorous** than previous Advanced Level courses.

MATH 112/113 PRECALCULUS ALGEBRA/TRIGONOMETRY (+0.50 grade weight) 907601/907602*Grade level: 11-12***Can count for Precalculus*

Prerequisite: All core mathematics courses in Alabama must have as a minimum prerequisite high school Algebra I, Geometry, and Algebra II with Trigonometry and with an appropriate mathematics placement score. (For MTH 112: a 20 or above on the math section of the ACT and earn a "C" or higher in Algebra 2 w/Trig or Precalculus.)

The first semester course emphasizes the algebra of functions – including polynomial, rational, exponential, and logarithmic functions. The course also covers systems of equations and inequalities, quadratic inequalities, and the binomial theorem. Additional topics may include matrices, Cramer's rule, and mathematical induction. The second semester course emphasizes trigonometric (circular functions) and inverse trigonometric functions, and includes extensive work with trigonometric identities and trigonometric equations. The course also covers vectors, complex numbers, DeMoivre's theorem, and polar coordinates. Additional topics may include conic sections, sequences, and using matrices to solve linear systems.

IB MATH: APPLICATIONS AND INTERPRETATIONS SL (+1.00 grade weight) 210043

Prerequisite: See criteria under IB Program. A score of 25 or higher on the [self-assessment rubric](#)

Fee: See IB Program Fee

IB Mathematics: Applications and Interpretations Standard Level is a course that focuses on mathematics in context. Particular attention is given to statistics, modeling, and data analysis. For students who lean towards a career path in business, social sciences, or humanities, this course provides real-world math application as a focus while still covering material up to and including introductory level calculus. Students will also have covered all ACT Mathematics content areas by the course's end. Ability to use technology, including a graphing calculator, is required. As part of this course, all students will produce a math exploration paper and sit for the IB Math Applications and Interpretations SL exams.

IB MATH: ANALYSIS AND APPROACHES SL (+1.00 grade weight) 210041

Prerequisite: See criteria under IB Program. A score of 25 or higher on the [self-assessment rubric](#)

Fee: See IB Program Fee

IB Mathematics: Analysis and Approaches Standard Level is a course that recognizes the need for analytical expertise in a world where innovation is increasingly dependent on an understanding of mathematics. This course includes topics that are both traditionally part of a pre-university mathematics course as well as topics that are amenable to investigation, conjecture and proof. Topics include 1) Number and Algebra 2) Functions 3) Geometry and Trigonometry 4) Statistics and Probability and 5) Calculus. Analysis and Approaches is intended for students whose career paths lean toward science, technology, engineering and mathematics. It is also intended for students who enjoy developing mathematical arguments, problem solving and exploring real and abstract applications, with and without technology. As part of this course, all students will produce a math exploration paper and sit for the IB Math Analysis and Approaches SL exams.

CALCULUS 210023

Grade Level: 12

Prerequisite: Precalculus

Course Video: <http://www.youtube.com/watch?v=BIIn-THv0Hho>

<http://www.youtube.com/watch?v=vPGdNAyyswA>

Calculus is the study of limits, differentiation, and integration. Students will explore all types of functions and their applications in-depth. There is extensive use of graphing calculators in this course.

DISCRETE MATHEMATICS 210018

Grade Level: 12

Prerequisite: Algebra II with Trigonometry

Course Video: <http://www.youtube.com/watch?v=FTeObw0Ja6o>

Discrete Mathematics expands upon the topics of matrices, combinatorial reasoning, counting techniques, algorithms, sequences, series, and their applications. Students are expected to work in both individual and group settings to apply problem-solving strategies and to incorporate technological tools that extend beyond traditional instructional practices.

MATH 110 FINITE MATH (+0.50 grade weight) 907600

Grade Level: 12

Semester course

**Can count for fourth year of required math needed for graduation*

Prerequisite: "C" or higher in Alg 2 or Precalculus and a 20 or higher on the ACT Math Score.

This course is intended to give an overview of topics in finite mathematics together with their applications, and is taken primarily by students who are not majoring in science, engineering, commerce, or mathematics (i.e., students who are not required to take calculus). This course will draw on and significantly enhance the student's arithmetic and algebraic skills. The course includes sets, counting, permutations, combinations, basic

probability (including Bayes' Theorem), and introduction to statistics (including work with binomial distributions and normal distributions), matrices and their applications to Markov chains and decision theory. Additional topics may include symbolic logic, linear models, linear programming, the simplex method and applications.

Math 120 (+0.50 grade weight) Calculus and Its Applications (Business Calculus) 802209dd

Grade Level: 12

Semester course

**Can count for fourth year of required math needed for graduation*

Prerequisite: "C" or higher in Precalculus or Calculus and a 20 or higher on the ACT Math Score.

This course is intended to give a broad overview of calculus and is taken primarily by students planning to major in commerce and/or business. It includes differentiation and integration of algebraic, exponential, and logarithmic functions and applications to business and economics. The course should include functions of several variables, partial derivatives (including applications), Lagrange multipliers, L'Hopital's rule, and multiple integration (including applications).

AP CALCULUS, AB (+1.00 grade weight) 210025

Grade Level: 12

Recommendations: 1) A score of 25 or higher on the [self-assessment rubric](#), 2) 85% average in Advanced Level Precalculus

AP Exam Fee: \$94

Course Video: [AP Calculus AB Video](#)

Advanced Placement Calculus AB is the study of limits, differentiation, integration, and their applications. Students will explore many types of functions both with and without the graphing calculator. This course is designed to prepare students to take the Advanced Placement examination at the AB level in the spring which provides the opportunity to earn up to **one semester** of credit in college calculus. *All students will be required to take the AP exam in May.*

AP CALCULUS, BC (+1.00 grade weight) 210026

Grade Level: 12

Recommendations: 1) A score of 25 or higher on the [self-assessment rubric](#), 2) 90% average in Advanced Level Precalculus

AP Exam Fee: \$94

Course Video: [AP Calculus BC Video](#)

Advanced Placement Calculus BC is the study of limits, differentiation, integration, and their applications. Students will explore all types of functions both with and without the graphing calculator. This course is designed to prepare students to take the Advanced Placement examination at the BC level in the spring which provides the opportunity to earn up to **two semesters** of credit in college Calculus. This course moves at a faster pace than AP Calculus AB, covers AP Calculus AB topics in more detail, and includes additional topics (such as sequences and series) not included in the AP Calculus AB curriculum. *All students will be required to take the AP exam in May.*

AP STATISTICS (+1.00 grade weight) 210027

Recommendations: 1) A score of 25 or higher on the [self-assessment rubric](#), 2) 85% average in Advanced Level Algebra II with Trigonometry or a 90% in Algebra II with Trigonometry

Grade Level: 11-12

AP Exam Fee: \$94

Course Video: <http://www.youtube.com/watch?v=ttiLkKZGL6o>

Advanced Placement Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The course includes four broad conceptual themes: exploring data,

planning a study, anticipating patterns, and statistical inference. Students who successfully complete the course and AP examination may receive credit, advanced placement, or both for a one-semester introductory college statistics course. This course requires mastery of a graphing calculator. A TI-89 is preferred. *All students will be required to take the AP exam in May.*

MATH ELECTIVE

MATH LAB, GEOMETRY

210032ae

Grade Level: 10

Credit: 1 elective credit

To provide additional support to students in their effort to meet the standards of the Geometry course. This course should be taught concurrently with a student's regular math class, giving extra time and utilizing a variety of strategies to help students build a stronger foundation for success in their current and future mathematics courses.

MATH LAB, ALGEBRA II NON-TRIG

210032af

Grade Level: 11

Credit: 1 elective credit

To provide additional support to students in their effort to meet the standards of the Algebra II (Non-Trig) course. This course should be taught concurrently with a student's regular math class, giving extra time and utilizing a variety of strategies to help students build a stronger foundation for success in their current and future mathematics courses.

MATH TEAM, COMPREHENSIVE (+.50 grade weight)

210032

Prerequisite: Must be enrolled in AP Calculus BC or have completed AP Calculus BC

Grade Level: 11-12

Required Signature: Math team sponsor approval needed

Fee: Fundraiser/\$150

This is an elective math course *taken in addition to* a required math course of precalculus or calculus. Topics covered are trigonometry, number theory, matrices, discrete math, analytic geometry, logic, probability, binomial theorem, conic sections, algebraic functions, sequences and series, derivatives, limits, and exponential and logarithmic functions. See math team info below.

HOOVER HIGH SCHOOL MATH TEAM

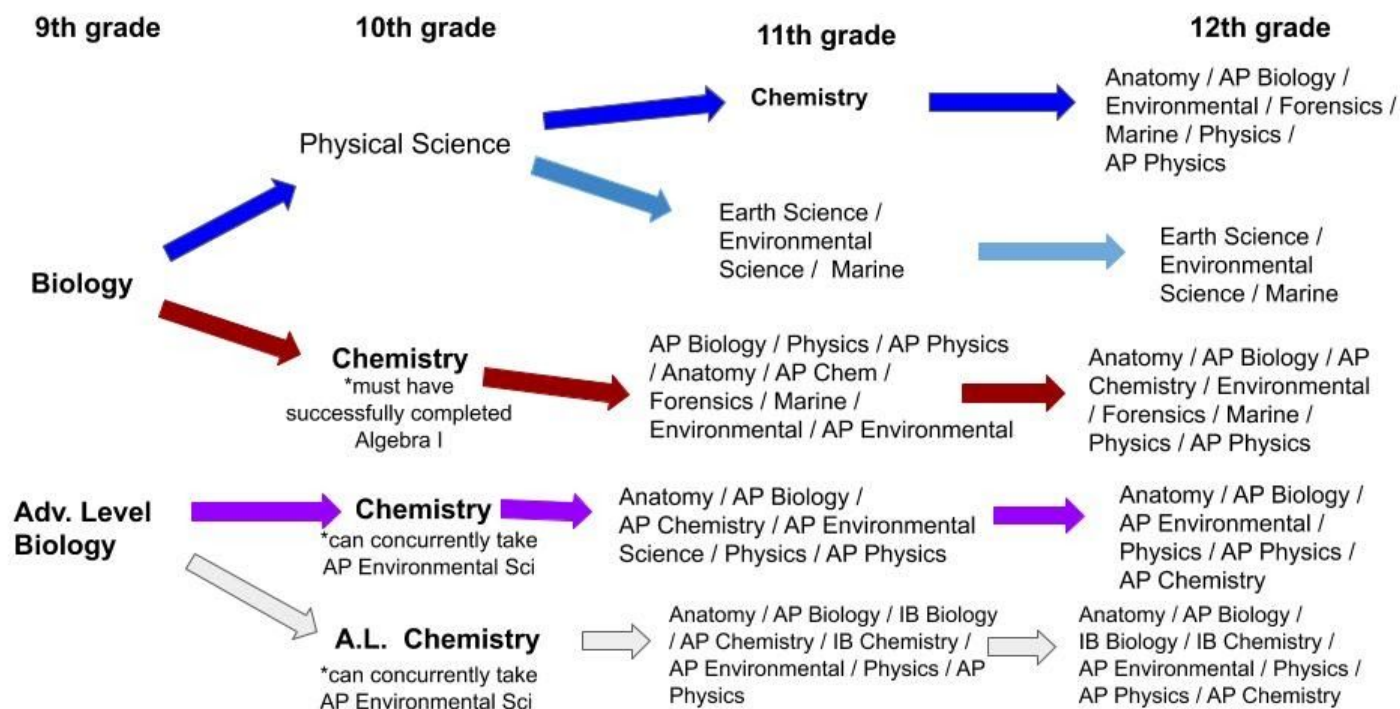
The math team courses (Geometry Team, Algebra 2 w/Trig Team, IB Precalculus Team, and Comprehensive Math Team) prepare students to compete in mathematics tournaments at local, state, regional, and national levels. Please consider the following criteria for success and satisfaction:

- from 3 to 9 Saturday tournaments starting in November
- grasps mathematical topics rapidly (1st or 2nd time the teacher explains it)
- willing to try a "different" way to solve a problem
- intuitive in math (can get the answer but may not know exactly how)

SCIENCE

Pre-IB and Advanced Level courses are designations used by Hoover City Schools and are not authorized by the International Baccalaureate Organization or the College Board.

Science Flowchart



BIOLOGY

220011

Grade Level: 9

Course Video: <http://bit.ly/213Yz3v>

Biology introduces students to the basic principles of life such as cellular organization, genetics, and comparative structures in various phyla. This course is intended to meet the science literacy requirements of the Biology core curriculum as defined by the state science course of study. This course also requires laboratory work as well as some projects completed outside the classroom.

BIOLOGY, Advanced Level (+.50 grade weight)

220013

Grade Level: 9

Laboratory Fee: \$25

Recommendation: 1) A score of 25 or higher on the [self-assessment rubric](#)

Course Video: <http://bit.ly/213Yz3v>

The Biology, Advanced Level course is designed to prepare students for success in Advanced Placement science courses. In preparation for these courses, Advanced Level biology students will be required to complete reading assignments outside of class related to scientific articles and/or scientific literature and complete independent research-based projects. Students should be good readers with strong comprehension skills. Students will also be required to write formal lab reports and analyze scientific data throughout the course. Finally, a major form of assessment in the Advanced Level classroom will be writing essays to explain scientific concepts in preparation for the Advanced Placement examinations. The title Advanced Level designates a preparatory course for AP work, not a College Board Advanced Placement course.

ACTIVE PHYSICAL SCIENCE**220051***Grade Level: 10*Course Video: <http://youtu.be/rXwpokVF2jI>

This course is an inquiry-based course that covers the introductory principles of matter and energy. Intended to prepare students to proceed to high school Chemistry, this course serves to reinforce necessary math skills while also giving opportunities to conduct hands-on experiments.

CHEMISTRY**220061***Grade Level: 10 -12**Laboratory Fee: \$25**Prerequisite: Biology**Recommendation: 1) Algebra with a B or better (rising 10th graders) or 2) Successful completion of Physical Science (rising 11th or 12th graders)*Course Video: <http://www.youtube.com/watch?v=-59VV0NN7T4>

The General Chemistry course is designed as a college-prep course to follow successful completion of Biology. This course introduces students to the theoretical principles behind inorganic chemical concepts. The course covers advanced chemical principles and mathematical problems that will fully prepare a student for further Chemistry study at the college level.

Chemistry requires that students come to the course with the ability to perform independently perform algebraic operations and solve word problems as well as complete laboratory work. It is highly recommended that sophomores have at least a B average in previous math courses. For juniors and seniors, the recommendation is a co-requisite of Algebra 2.

CHEMISTRY, Advanced Level (+.50 grade weight)**220063***Grade Level: 10&11**Prerequisite: Biology**Recommendation: 1) Score of 25 or higher on the [self-assessment rubric](#) and enrolled in Advanced Level Algebra 2 w/Trig. This course should only be taken by students who wish to take additional AP science courses or be in the IB Program or any advanced science electives that have chemistry as a prerequisite.**Laboratory Fee: \$25*Course Video: <http://www.youtube.com/watch?v=-59VV0NN7T4>

In addition to the above chemistry description, a more in-depth study of chemical concepts will be covered throughout the year. In preparation for future AP science courses, students should possess exceptional mathematical and problem-solving skills as well as outstanding expository writing skills. Students need to be independent learners, strong readers and writers with very high abilities to comprehend and interpret analytical data at a fast pace. These are scholars who wish to take at least two AP science courses during the rest of their high school career.

EARTH AND SPACE SCIENCE**220081***Grade Level: 11 - 12**Prerequisite: Active Physical Science**Special Requirements: Internet access is strongly encouraged.*Course Video: <http://www.youtube.com/watch?v=KxVBrnM-fMk>

This course includes the subjects of Geology, Meteorology, Oceanography and Astronomy for the purpose of helping students understand how the surface of the Earth, the atmosphere, and the oceans work together, as well as the relationship between our Earth and the rest of the universe.

This course requires laboratory and computer work.

MARINE SCIENCE**220040***Grade Level: 11 - 12**Prerequisite: Biology**Laboratory Fee: \$25*Course Video: <http://youtu.be/dELKBdHVytU>

Marine Science extends the study of Biology to the living and nonliving factors of the ocean realm, which are explored through various marine ecosystems such as coral reefs, sandy shores, deep sea, open ocean, and kelp forests. Exploration of these ecosystems includes investigating the successful adaptations of marine life (fish/sharks, mammals, reptiles, birds, invertebrates, and plants) to withstand the non-living elements (currents, tides, ocean seafloor, and seawater composition) that form each ecosystem. The impact of humans on marine ecosystems and the necessity for marine conservation are also examined. Laboratory investigations, use of touch tank and aquariums, and other hands-on activities are used to enhance understanding of topics. Students may also have an opportunity to participate in an optional field trip to an aquarium.

ENVIRONMENTAL SCIENCE**220029****ENVIRONMENTAL SCIENCE - Virtual****220029aa***Requirement for Virtual option: [Permission Form](#) must be turned in with course selection sheet**Grade Level: 11 - 12**Prerequisite: Biology*Course Video: <http://www.youtube.com/watch?v=TyFn1cTLwUg>

This course extends the study of Biology to focus on the living and nonliving factors which affect our environment. We will consider the impact that humans have on the environment at the local, national, and global levels. Current local and world issues will be integrated into the curriculum. Students will work outside of the school building to collect and analyze phenomena in the Cahaba River Watershed that surrounds the school. In addition to class work, laboratory work, scientific inquiry, and fieldwork investigations, this course requires fieldwork in a variety of settings and weather conditions. We will investigate the fascinating natural world around HHS as a living laboratory and document the change over time that we (Hoover residents) are having on our local ecosystems.

PHYSICS**220071***Grade Level: 11 or 12**Prerequisite: Chemistry**Laboratory Fee: \$25*Course Video: <http://youtu.be/w0xaAuDQ1ml>

This course covers the principles of motion, matter, and energy as related in the Physics core curriculum of the state science course of study. In addition to this core, advanced Physics principles and mathematical problems are applied which will fully prepare students for further Physics study at the college level. The course employs mathematical analysis, laboratory experiments, and computer aided investigations to lead students to an understanding of the basic laws of nature as presently understood by science. This course requires laboratory work.

HUMAN ANATOMY & PHYSIOLOGY

220026

Grade Level: 11 - 12

Prerequisite: Biology and Chemistry

Laboratory Fee: \$25

Course Video: <http://www.youtube.com/watch?v=GJ7SwX3vLNA>

This course includes a study of the organization and functions of the systems of the human body, including how they respond to the external environment and work together to maintain homeostasis. Students will learn the anatomical components and basic physiological processes of each system of the body. This course incorporates cooperative lab experiences, anatomical dissections, and some technology-based investigative work. Substantial reading and independent study outside of class are required of each student.

HUMAN BODY STRUCTURES AND FUNCTIONS

490043

***This course is part of the Health Science Academy and is offered at RC3. This course can count as a science credit. See counselor for more details.**

10th – 12th grades

Fee: \$25

Is that normal? This course should be the first class taken in the Health Science Academy sequence by all students joining the Health Science Academy at RC3. Prior completion of the Career Prep for Health Science course is helpful but not strictly required. Students will develop a knowledge of various diseases and disorders related to each body system along with corresponding medical terminology. This course will help students to answer the question, “Is that normal?”

FORENSIC SCIENCE

410025

Grade Level: 11-12

Prerequisite: Biology & Chemistry

Laboratory Fee: \$25

Course Video: http://www.youtube.com/watch?v=mBxUB_R3F9s

Be a CSI guy, and figure out not only “who-done-it,” but also find out how it’s really done. This is one of the fastest growing areas of science opportunities out there with dozens of different directions in which to pursue a career. In this course you will use investigative techniques such as fingerprinting, DNA, toxicology, bones, trace evidence of hair and fiber, tool marks and others to analyze and solve crimes. You will be incorporating the fields of Biology, Chemistry, Anatomy and Physics using many of the latest techniques and materials that are used in research facilities and by Crime Scene Investigators today. This course incorporates extensive laboratory work.

SCIENCE INDEPENDENT RESEARCH

999468

Grade Level: 11-12 one period (any period during the day)

Prerequisites: An AP or IB science course

Fee: \$25

Recommendation: Students that wish to apply scientific methods and skills to the analysis of HHS campus and surrounding areas using the techniques of applied field research. Students interested in science competitions will benefit from this class.

Course Video: <http://bit.ly/2FfpDa>

Based in the biological sciences but drawing on all science skills and research, as well as science and its interactions with public policy, this course explores current topics of environmental

issues. The student will develop long term environmental monitoring projects of the HHS campus. We will explore and use many tools to track data gathered by students and teachers. Students will be expected to submit peer reviewed papers. The course will involve class work, field work, independent study and design, and laboratory work. Students will participate in projects with local colleges, science professionals, and science related organizations. We have been very successful in winning scholarship monies and competitions at the national level.

SCIENCE INDEPENDENT RESEARCH - VIRTUAL

802209ag

Grade level: 11-12

Fee: \$25

Independent Research VIRTUAL at HHS is new. Guided by the teacher, but focused on projects of student interest, this is a great opportunity to expand and apply all the knowledge and skills you have learned. In the past year we have begun projects on threatened freshwater mussels, invasive species, migrating birds, forest composition, and long term climate change plots. Projects are NOT limited to environmental topics. Students can also be matched with local scientists to complete more complicated projects. Many research projects are award winning (and scholarship winning). You will be required to compete in research competitions. The benefits of independent research before college are invaluable! It truly sets you apart from the crowd. Students will be required to attend school for laboratory, some field work, and conferences with teacher.

SCIENCE ADVANCED PLACEMENT COURSES

BIOLOGY, ADVANCED PLACEMENT (+1.00 grade weight)

220014

Grade Level: 11 or 12

Laboratory Fee: \$25

AP Exam Fee: \$94

Prerequisites: Biology and Chemistry

Recommendation: 1) A score of 25 or higher on the [self-assessment rubric](#), 2) 85% course average in both Biology and Chemistry 3) Students who desire the challenge of pursuing college course work at the high school level.

Course Video: <http://www.youtube.com/watch?v=q8NH67USNY8>

This course covers the curriculum associated with a college level Biology program. The course involves extensive reading and study outside of normal class time. The overall expectations of the course are aimed at preparing students to take the Advanced Placement examination at the end of the year. This course requires extensive laboratory work with detailed formal lab reports. Summer reading assignment required.

CHEMISTRY, ADVANCED PLACEMENT (+1.00 grade weight)

220064

Grade Level: 11 or 12, one(1) full period a day and two (2) full lunch/study periods per week.

This class is one(1) science credit.

Laboratory Fee: \$25 AP

Exam Fee: \$94

Prerequisites: Biology and Chemistry

Recommendation: 1) A score of 25 or higher on the [self-assessment rubric](#), 2) 85% course average in Chemistry, Advanced Level Chemistry, or Physics, 3) Students who desire the challenge of pursuing college course work at the high school level.

Course Video: http://youtu.be/CziZXXkzX_C0

This course covers the curriculum associated with a college level Chemistry program. Students should be advised that this course involves complex material and is covered at a pace of at least

one and a half times the normal pace of an Advanced Level course and involves extensive study and problem solving outside of normal class time. The overall expectations of the course are aimed at preparing students to take the Advanced Placement examination at the end of the year. This course requires extensive laboratory work, with detailed formal lab reports. Summer assignment required.

ENVIRONMENTAL SCIENCE - ADVANCED PLACEMENT (+1.00 grade weight) 220032

Recommendations for 10th graders: 1) A score of 25 or higher on the [self-assessment rubric](#) 2) Advanced Level Biology, Algebra 1 with a 85% course average. Must be currently enrolled in chemistry, 3) Students who desire the challenge of pursuing college course work at the high school level.

Recommendations for 11th & 12th graders: 1) A score of 25 or higher on the [self-assessment rubric](#) 2) Advanced Level Biology, Algebra 1 with a 85% course average, and Chemistry with a 85% course average, 3) Students who desire the challenge of pursuing college course work at the high school level.

Lab fee: \$25

AP Exam fee: \$94

Course Video: <http://bit.ly/2rHrH7V>

This course extends the study of Biological and Physical sciences. We will delve into the interconnectedness of science, ethics, history, politics, etc. as we develop a deeper understanding of the world around us and our human impacts. AP Environmental science is fun, challenging, and exciting. In this course you will investigate and discuss important current issues pertaining to science in the real world. It also integrates critical analysis and writing skills. APES focuses on the interrelationships of the natural world. It analyzes the human induced environmental problems and changes. APES examines alternative solutions for those problems on an advanced level by requiring students to investigate international, state, and local policies that affect the environment. Long term investigations and projects require an additional investment of time beyond the class and will involve work in the field. Expectations of the course are designed to prepare students to take the Advanced Placement examination, successfully, at the end of the year. Lab/fieldwork required. Summer assignment required.

The AP Program now offers four physics courses: AP Physics 1: Algebra based; AP Physics 2: Algebra based; AP Physics C: Mechanics and AP Physics C: Electricity and Magnetism, Calculus based.

AP PHYSICS I (+1.00 grade weight)

220057

Grade Level: 11 or 12, one (1) period

Prerequisite: Biology and Chemistry

Recommendation: 1) A score of 25 or higher on the [self-assessment rubric](#). 2) 85% course average in both Biology and Chemistry, and 3) Students who desire the challenge of pursuing college course work at the high school level.

Laboratory Fee: \$25

AP Exam Fee: \$94

Prerequisite: Students should have successfully completed Chemistry. Students should have completed geometry and be concurrently taking Algebra II or an equivalent course. Trigonometry is NOT a requirement anymore. Although the Physics 1 course includes basic use of trigonometric functions, this understanding can be gained either in the concurrent math course or in the AP Physics 1 course itself. NO prior coursework in physics is necessary.

Course video: <http://www.youtube.com/watch?v=WOkKCPTlrbo>

We've put the PHUN back in Physics! AP Physics 1 is an algebra-based introductory college-level physics course that explores such as Newton's laws, work, energy, and power, mechanical waves and sound and electrical circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Approximately 25% of the

course will be spent in hands-on laboratory work, with emphasis on inquiry based investigations that provide students with opportunities to apply the science practices. Investigations will require students to ask questions, make observations and predictions, design their own experiments, analyze data and construct arguments in a collaborative setting, where they direct and monitor their own progress.

AP PHYSICS 2 (+1.00 grade weight)

220058

Grade Level: 11 or 12, one (1) period

Laboratory Fee: \$25, AP Exam Fee: \$94

Prerequisite: Regular Physics or AP Physics 1

Recommendation: 1) A score of 25 or higher on the [self-assessment rubric](#). 2) Students who desire the challenge of pursuing college course work at the high school level.

Course video: <http://www.youtube.com/watch?v=WOkKCPTlrbo>

AP Physics 2 is an algebra-based, second-year college-level physics course that explores such as thermodynamics, fluid dynamics, electromagnetism, optics, and modern physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Twenty five percent of instructional time is devoted to hands-on laboratory work with an emphasis on inquiry based investigations. Investigations will require students to ask questions, make observations and predictions, design their own experiments, analyze data and construct arguments in a collaborative setting, where they direct and monitor their own progress.

AP PHYSICS C – MECHANICS (+1.00 grade weight) (Engineering Physics 1)

220069

Grade Level: 11th or 12th (1 period)

Laboratory Fee: \$25, AP Exam Fee: \$94

Prerequisite: Biology and Chemistry

Math Co-requisite: Pre-Calculus or higher math course (or permission of teacher)

Recommendation: 1) A score of 25 or higher on the [self-assessment rubric](#). 2) Students who desire the challenge of pursuing college course work at the high school level.

Course Video: <http://www.youtube.com/watch?v=sJRZbCqK7NY&feature=youtu.be>

AP Physics C – Mechanics (Engineering Physics 1) is a two-semester, calculus-based course. The course is consistent with the topics covered in the first undergraduate calculus-based physics course required for engineering and physics majors. It is appropriate as a first or second year course. The course involves laboratory work and extensive study and problem solving outside of class. First year students should be strong in math but do not have to be taking a Calculus course concurrently. Topics include One-Dimensional & Multi-Dimensional Kinematics; Newton’s Laws; Equilibrium; Work & Energy; Linear Momentum & Collisions; Rigid Body Rotation & Rolling; Angular Momentum; Universal Gravitation; Simple Harmonic Motion; Fluid Mechanics; Thermodynamics. Students will be prepared to take the AP Physics C – Mechanics exam upon completion of the course.

AP PHYSICS C – Electricity & Magnetism (+1.00 grade weight) (Engineering Physics 2) 220075

Grade Level: 12th (1 period)

Laboratory Fee: \$25, AP Exam Fee: \$94

Prerequisite: AP Physics C – Mechanics

Recommendation: 1) A score of 25 or higher on the [self-assessment rubric](#). 2) Students who desire the challenge of pursuing college course work at the high school level.

Course Video: <http://www.youtube.com/watch?v=sJRZbCqK7NY&feature=youtu.be>

AP Physics C – Electricity & Magnetism (Engineering Physics 2) is a two-semester, calculus-based course. The course is consistent with the topics covered in the second undergraduate calculus-based physics course required for engineering and physics majors. It is taught as a second year course. The course involves

laboratory work and extensive study and problem solving outside of class. Students should be strong in math. Topics include Mechanical Waves & Sound; Physical & Geometric Optics; Modern Physics; Electrostatics; Conductors, Capacitors, & Dielectrics; Purely Resistive, RL, RC, and RLC DC Circuits; Steady-state AC Circuits; Magnetic Fields; Electromagnetism. Students will be prepared to take the AP Physics C – Electricity & Magnetism exam upon completion of the course.

SCIENCE – IB COURSES*

*The International Baccalaureate (IB) Courses for science have a Chemistry prerequisite and, therefore, meet the requirements for the Hoover City Schools Seal of Scholastic Excellence.

IB BIOLOGY 11 (+1.00 grade weight)

220016

Corequisite: One or more additional IB course

Fee: See IB Program Fee

Course Video: http://www.youtube.com/watch?v=rcFe_rrD7WQ

This course introduces college-level Biology topics, which are covered in the Higher Level IB assessments. Emphasis is placed on extensive laboratory experiences that apply scientific knowledge. Students design, conduct and report original laboratory work to complete the IB components of the course.

IB BIOLOGY 12 (+1.00 grade weight)

220016aa

Prerequisite: IB Biology 11

Corequisite: One or more additional IB courses

Fee: See IB Program Fee

Course Video: <http://www.youtube.com/watch?v=xelukUTCXbZY>

This course continues the advanced study of college-level Biology topics, which are covered in the Higher Level IB assessments. Emphasis is placed on extensive laboratory experiences that apply scientific knowledge. Students design, conduct and report original laboratory work to complete the IB components of the course.

IB CHEMISTRY 11 (+1.00 grade weight)

220065

Corequisite: One or more additional IB courses

Meeting Times: One (1) full period a day, and two(2) full lunch/study periods per week. This class is one(1) science credit.

Fee: See IB Program Fee

Course Video: <http://youtu.be/GySTvwQj5tU>

This course introduces college-level Chemistry topics which are covered in the Higher Level IB examination. Emphasis is placed on extensive laboratory experiences that apply scientific knowledge.

IB CHEMISTRY 12 (+1.00 grade weight)

220065aa

Corequisite: One or more additional IB courses

Meeting Times: One (1) full period a day, and two(2) full lunch/study periods per week. This class is one(1) science credit.

Fee: See IB Program Fee

Course Video: <http://youtu.be/GySTvwQj5tU>

This course extends the study of college-level Chemistry topics which are covered in the Higher Level IB examination. Emphasis is placed on extensive laboratory experiences that apply scientific knowledge.

SOCIAL STUDIES

WORLD HISTORY SINCE 1500, 9TH GRADE 230013

Grade Level: 9

Course Video: <http://bit.ly/p9PWRZ>

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

WORLD HISTORY SINCE 1500, Advanced Level (+.50 course weight) 230015

Grade Level: 9

Recommendation: A score of 25 or higher on the [self-assessment rubric](#)

Course Video: <http://www.youtube.com/watch?v=BDia2qCo3H4>

This course explores the same topics as World History since 1500 but has a higher emphasis on critical thinking and examination of historical texts.

WORLD HISTORY SINCE 1500, PRE-IB (+.50 course weight) 2300151

Grade Level: 9

Recommendation: A score of 25 or higher on the [self-assessment rubric](#)

Course Video: <http://www.youtube.com/watch?v=YHFdfyJSJM>

This course is taken by ninth grade students who anticipate enrollment in the eleventh grade as IB Diploma Candidates. This course explores the same topics as World History since 1500 but has a higher emphasis on critical thinking and examination of historical texts. The Pre IB history and English courses are intended to be studied across disciplines and must be taken concurrently.

US HISTORY AND GEOGRAPHY TO 1877, 10th GRADE 230016

Grade Level: 10

Course Video: <http://www.youtube.com/watch?v=Qzq0WseMsEY>

This course is the first half of a comprehensive two-year study of American history and geography. In tenth grade students cover the historic development of American ideas and institutions from the Age of Exploration and Discovery through Reconstruction. While focusing on political and economic history, students will examine American culture through a chronological survey of major issues, movements, people, and events in United States and Alabama history.

US HISTORY AND GEOGRAPHY SINCE 1877, 11TH GRADE 230019

Grade Level: 11

Course Video: <http://youtu.be/gb0akVAJy5M>

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

US HISTORY AND GEOGRAPHY SINCE 1877, 11TH GRADE - Virtual 230019ac

Grade Level: 11

Requirement: [Permission Form](#) must be turned in with course selection sheet

US History and Geography Since 1877 is a required two-semester course which investigates the major changes in American history from the end of Reconstruction through modern times. The class delves into political history, economic history, intellectual history, and explores the major figures and events after Reconstruction, including industrialization, the Gilded Age, Progressivism, American imperialism, World War I, the Roaring 20s, the Great Depression, the New Deal, World War II, the Cold War, the Civil Rights Movement, Vietnam, and politics into modern times. The class places particular emphasis on looking at differing interpretations of what happened and why, in addition to supporting historical arguments with appropriate evidence and analysis.

In the virtual course, students will learn through prepared PowerPoints, videos, reading primary sources, online discussions, and Reflections. Students should expect to spend as much time on the class as they would if they were attending a regular class (approximately 4-5 hours a week). Assignments and coursework are done online, but students are expected to take tests in person. *Requirement: [Permission Form](#) must be turned in with course selection sheet*

ECONOMICS 230051

Grade Level: 12 (Semester course)

Course Video: <https://www.youtube.com/watch?v=6ZEO9kdOm6s&feature=youtu.be>

Economics is a required one-semester course which studies how scarce resources are allocated among unlimited wants, needs, and desires. The purpose of the course is to acquaint students with both microeconomic and macroeconomic concepts and to foster a better understanding of the world economy. Topics studied include basic economic concepts; economic systems and the role of the government in the economy; supply, demand, and equilibrium; measuring the standard of living; economic indicators such as Gross Domestic Product, inflation, and unemployment; the financial sector; stabilization policies; and international trade.

ECONOMICS - Virtual 230051

Grade Level: 12 (Semester course)

Economics is a required one-semester course which studies the basic principles of a capitalist economic system. Topics studied include: scarcity, the nature of economic systems, opportunity costs and production possibilities, supply, demand and price concepts, the nature of factor markets, efficiency, equity, the role of government, gross national product, inflation, unemployment, money and banking, and monetary policy.

In the virtual course, students will learn about government and economics through videos, PowerPoints, online textbook and primary sources. Discussions with classmates within the framework of the course allows students to enhance their understanding of the material as well. Students should expect to spend as much time on the class as if they would if they were attending a regular class (approximately 4-5 hours a week). All assignments and coursework are completed online, with the exception of the exam given at the end of the semester. *Requirement: [Permission Form](#) must be turned in with course selection sheet*

UNITED STATES GOVERNMENT 230041

Grade Level: 12 (Semester course)

Course Video: <https://youtu.be/G4EbyCrxEVw>

United States Government is a required one-semester course which examines, in depth, the constitutional powers delegated to the three branches of federal government as well as those powers reserved to the states. Particular attention is also given to individual civil rights as well as the responsibilities of citizenship. Other topics included in this course are: comparative political systems, a review of the foundations of the United States governmental system, the rise and importance of political parties, and politics in a democratic government.

UNITED STATES GOVERNMENT - Virtual 230041

Grade Level: 12 (Semester course)

Requirement: [Permission Form](#) must be turned in with course selection sheet

United States Government is a required one-semester course which examines, in depth, the constitutional powers delegated to the three branches of federal government as well as those powers reserved to the states. Particular attention is also given to individual civil rights as well as the responsibilities of citizenship. Other topics included in this course are: comparative political systems, a review of the foundations of the United States governmental system, the rise and importance of political parties, and politics in a democratic government.

In the virtual course, students will learn about government and economics through videos, PowerPoints, online textbook and primary sources. Discussions with classmates within the framework of the course allows students to enhance their understanding of the material as well. Students should expect to spend as much time on the class as if they would if they were attending a regular class (approximately 4-5 hours a week). All assignments and coursework are completed online, with the exception of the exam given at the end of the semester. *Requirement: [Permission Form](#) must be turned in with course selection sheet*

SOCIAL STUDIES DUAL ENROLLMENT

HIS 201 - United States History I (+0.50 grade weight) 905004

Grade Level: 10-12

**Can count for 10th grade history*

This course surveys United States history during colonial, Revolutionary, early national and antebellum periods. It concludes with the Civil War and Reconstruction. (F, Sp, Su)

3.000 Credit hours

3.000 Lecture hours

HIS 202 - United States History II (+0.50 grade weight) 905005

Grade Level: 10-12

**Can count for 11th grade history*

This course is a continuation of HIS 201. It surveys United States history from the Reconstruction era to the present. (F, Sp, Su)

3.000 Credit hours

3.000 Lecture hours

SOCIAL STUDIES ADVANCED PLACEMENT

AP US HISTORY 10 (+1.00 course weight)

230022

Grade Level: 10

Recommendation: A score of 25 or higher on the [self-assessment rubric](#)

Course Video: http://youtu.be/BtnX5N_KFRk <http://youtu.be/GfDvtF0pzIc>

The Advanced Placement Program in United States History, a college-level course, is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems in United States history. Students will learn to assess historical materials-their relevance to a given interpretive problem, their reliability, and their importance-and to weigh the evidence and interpretations presented in historical scholarship. The course is designed to give students a grounding in the chronology of the United States history and in major interpretive questions that derive from the study of selective themes. This is the first part of a two-year program designed to prepare students for the AP exam.

AP US HISTORY 11 (+1.00 course weight)

230022aa

Grade Level: 11

AP Exam Fee: \$94

Prerequisite: Completion of 10th grade Advanced Placement United States History, Beginnings to 1877

Recommendation: A score of 25 or higher on the [self-assessment rubric](#)

The Advanced Placement Program in United States History, a college level course, is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems in United States History. Students will study American History chronologically and through the development of themes, and will evaluate the reliability and importance of historical documents.

This course is the second half of a two-year program. Some summer work is required.

Students who have not taken APUSH 10 will be entering into the middle of a two -year program.

Students signing up for APUSH 11 who have not taken APUSH 10 must talk to Ms. Ford and get books and summer work (including DBQ, LEQ, and SA practice assignments) before they leave in May. Students will take the AP exam in May.

US GOVERNMENT, AP (+1.00 course weight) 230047

Grade Level: 12 (Semester course)

AP Exam Fee: \$94

Recommendation: A score of 25 or higher on the [self-assessment rubric](#)

Course Video: <https://youtu.be/G4EbyCrxEVw>

Advanced Placement U.S. Government is an introductory college-level course, designed to prepare students to take the AP exam in May. Those students who achieve a score of 3, 4, or 5 may receive credit or advanced placement, or both, at the university of their choice.

The course is designed to teach students about how people behave politically and how the American political system is designed. Specifically, this means that students will examine how the system is structured and how it functions as a pluralistic system of various individual and group interests, all promoting their own agendas as to what they claim is important and beneficial for the country. It is taught with the conviction that students want to know not only who governs but what difference it makes who governs. In short, the course attempts to demonstrate how our government institutions and political processes help explain why some policies are adopted and not others.

This class is demanding and students are expected to complete reading on their own which will be supplemented with classroom lecture and other learning activities, including collaborative projects, research, simulations, and graded Socratic seminars and discussions. The teacher uses a seminar approach and expects students to take an active role in their learning by careful preparation and active classroom participation.

ECONOMICS, AP (+1.00 course weight) 230054

Grade Level: 12 (Semester course)

AP Exam Fee: \$94

Prerequisite: Algebra 2 w/Trig

Recommendation: A score of 25 or higher on the [self-assessment rubric](#)

Course Video: <https://www.youtube.com/watch?v=6ZEO9kdOm6s&feature=youtu.be>

Advanced Placement Economics is an introductory college-level course, designed to prepare students to pass the Advanced Placement examination in Macroeconomics. The exam, given in May of each year, is written and graded by The College Board and Educational Testing Service. Students who earn a score of 3, 4, or 5 may receive college credit or advanced standing, or both at the universities they enter after high school graduation. The course is designed to parallel a college survey course and a college textbook is used. The scope and intensity of instruction is appropriate for students who desire a more challenging level of instruction in economics. AP Macroeconomics emphasizes economic principles as applied to the economy as a whole. Topics include basic economic concepts, an analysis of national income and its components, economic indicators, inflation and unemployment, money and banking, stabilization policies, and international trade.

***SOCIAL STUDIES - INTERNATIONAL
BACCALAUREATE***

WORLD HISTORY SINCE 1500, PRE-IB (+.50 course weight) 2300151

Grade Level: 9

Course Video: <http://www.youtube.com/watch?v=YHFdfdyJSJM>

This course is taken by ninth grade students who anticipate enrollment in the eleventh grade as IB Diploma Candidates. This course explores the same topics as World History since 1500 but has a higher emphasis on critical thinking and examination of historical texts. The Pre IB history and English courses are intended to be studied across disciplines and should be taken concurrently.

US HISTORY AND GEOGRAPHY 10th GRADE 1877, PRE-IB (+1.00 course weight) 230018

Course Video: <http://www.youtube.com/watch?v=v9bmD-FTni4>

This course is taken by sophomore students who anticipate enrollment in the eleventh grade as IB Diploma Candidates. The course will follow the basic form of a History, Advanced Level/IB class, but students will study additional world history topics, and the evaluation will be based upon the IB assessment criteria. The Pre IB history and English courses are intended to be studied across disciplines and should be taken concurrently.

IB HISTORY OF THE AMERICAS 11th GRADE (+1.00 course weight) 230024

Prerequisite: See criteria under IB Program, page 5

Fee: See IB Program Fee

Recommendation: 1) A score of 25 or higher on [self-assessment rubric](#)

Course Video: <http://www.youtube.com/watch?v=ApoMm4zLS94&feature=youtu.be>

This course is the first part of a two-year International Baccalaureate curriculum that prepares students for higher-level (HL) assessments in the history of the American continent. This level focuses on U.S. history in the context of World history.

IB WORLD HISTORY 12th GRADE (+1.00 course weight) 230026

Prerequisite: IB History 11

Fee: See IB Program Fee

Recommendation: 1) A score of 25 or higher on [self-assessment rubric](#)

Course Video: <https://youtu.be/quLFkCGquNg>

This course is the second part of a two-year International Baccalaureate curriculum that prepares students for higher-level (HL) examination in the history. This course takes the place of Government and Economics and focuses on specific 20th Century historical topics prescribed by IB and selected by the teacher.

| |
|---|
| <h2><i>SOCIAL STUDIES ELECTIVES</i></h2> |
|---|

PSYCHOLOGY

230071

Grade Level: 10-12

Course Video: <http://youtu.be/0MYgDOIWO8E>

Psychology is a year-long course which provides students with a basic understanding of human behavior. Included in the course are units on brain function and perception, motivation, developmental psychology, personality, learning and intelligence, abnormal behavior, and methods and research.

PSYCHOLOGY, Virtual

230071ab

Requirement: [Permission Form](#) must be turned in with course selection sheet

PSYCHOLOGY, AP (+1.00 course weight)

230072

Grade Level: 9 - 12

AP Exam Fee: \$94

Recommendation: A score of 25 or higher on the [self-assessment rubric](#)

Course Video: [AP Psychology Video](#)

Advanced Placement Psychology, a full-year course, is an introductory college level course that examines human behavior. The course outline follows the precepts of the College Board, and includes units on sensation and perception, states of consciousness, learning and intelligence, motivation and emotion, developmental psychology, personality, abnormal psychology, and the treatment of psychological disorders. Research methods and the major schools of thought will be addressed throughout this course. Students will be required to research topics of interest in psychology as well as design and conduct an experiment with other members of the AP class. The Advanced Placement Exam in psychology will be administered in May.

SOCIOLOGY, Virtual

230081

Course video: <https://youtu.be/oICE5QUAuBs>

Requirement: [Permission Form](#) must be turned in with course selection sheet

Sociology is the study of human social relationships and institutions. Virtual Sociology at Hoover High School is a year-long course which will include units on topics such as sociological research methods, culture and social structure, the individual in society, social control and deviance, social inequality, social institutions and the changing social world. Other topics of interest include collective behavior (mobs, riots, fads, etc.),

adolescent behavior, race relations, the role of institutions such as education, religion and politics on a society, crime and punishment, globalization and urbanization. Students should expect to commit 4-5 hours per week to learning the content and completing course requirements. All work is done online, including testing.

Requirement: [Permission Form](#) must be turned in with course selection sheet

US HISTORY IN FILM

230032aa

Grade level 10-12

Fee: \$25.00

Course Video: <http://www.youtube.com/watch?v=6Rev3wf52Ag&feature=youtu.be>

US History in Film evaluates the medium of film as it portrays themes in American History. These themes include military history, social history, American individuals and regional cultures. Movies will be viewed in class and then discussed. The focus of the discussion will be historical accuracy. The class will also examine how the year each movie was made influenced how events in the movie were presented. The early history of the American film industry will also be covered.

WORLD RELIGIONS

802209ah

Grade Level: 10-12

Course Video: <http://youtu.be/FAsH0-RI0EU>

World Religions is a year-long course that will introduce students to the study of religion and survey six major world religions: Hinduism, Buddhism, Taoism, Judaism, Christianity, and Islam. Additionally two major religions will be selected by the instructor for an in-depth study from the following list: Buddhism, Sikhism, Hinduism, Christianity, Islam, or Judaism. Students will examine the rituals, sacred texts, beliefs and religious experience of these religions, and develop an appreciation for the world's religious diversity.

IB PSYCHOLOGY (+1.00 course weight)

230073

Prerequisite: See criteria under IB Program

Fee: See IB Program Fee

Recommendations: 1) A score of 25 or higher on [self-assessment rubric](#)

Course Video: http://www.youtube.com/watch?v=i_ecGG-66Co

The course follows the format of an introductory college course in Psychology, and students are required to design and conduct a psychology research project.

IB WORLD RELIGIONS (+1.00 course weight)

230098

Grade Level: 11-12

Fee: See IB Program Fee

Recommendations: 1) A score of 25 or higher on [self-assessment rubric](#)

Course Video: <http://youtu.be/FAsH0-RI0EU>

World Religions is a year-long course that will introduce students to the study of religion and survey six major world religions: Hinduism, Buddhism, Taoism, Judaism, Christianity, and Islam. Additionally two major religions will be selected by the instructor for an in-depth study from the following list: Buddhism, Sikhism, Hinduism, Christianity, Islam, or Judaism. Students will examine the rituals, sacred texts, beliefs and religious experience of these religions, and develop an appreciation for the world's religious diversity. (NOTE: The content and delivery for this course is identical to that of regular level World Religions. The courses will be seated concurrently, but the IB students will have additional reading and assessments).

JUSTICE AND PUBLIC ADMINISTRATION: JROTC PROGRAM

NOTE: AFJROTC cadets MUST adhere to the standard uniform requirements, fitting standards, and personal grooming standards are not limited to but include: haircuts, no extreme hairstyles, no unnatural hair or nail color, and clean shave in accordance with Air Force Instruction 36-2903, Dress and Personal Appearance. Cadets should expect to wear their prescribed AFJROTC uniform at least 1 day per week for the entire school day while a member of the program.

AFJROTC I: A Journey into Aviation History

480001

Prerequisite: None

This is the recommended first course for all new cadets. It is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. Throughout the course, there are readings, videos, hands-on activities, and in-text and student workbook exercises to guide in the reinforcement of the materials. Its accompanying course is Leadership I (LE-100). The LE-100 course introduces cadets to the AFJROTC program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship, character, individual self-control, proper attitude, and respect and leadership principles. Wellness is the third component of the program teaching the importance of a lifelong approach to physical fitness, proper nutrition, and mental well-being. This is a year-long course. See Fee List.

AFJROTC III: Air Force JROTC Leadership and Cultural Studies

480031

Prerequisite: Completion of AFJROTC I

Aerospace Science (Fall semester): Cultural Studies-An Introduction to Global Awareness (Chapters 3,5,6)

This is a customized course about the world's cultures, specifically designed for USAF JROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Chapter 3 covers Africa, chapter 5 covers Latin America, and chapter 6 covers Europe.

Aerospace Science (Spring semester): The Science of Flight (Units 2 & 3)

The second/third year Aerospace Science course is designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. Unit 2 covers the atmosphere, aviation weather/forecasting/effects of weather on aircraft. Unit 3, Flight and the human body is a survey course on human physiology, including human physiology & air flight and protective equipment & aircrew training.

Leadership Education: Life Skills and Career Opportunities

Topics include information on financial planning; how to save, invest, and spend money wisely, and how to avoid credit traps. Students are informed on real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Citizen responsibilities are also examined. Shopping (grocery, apartment, vehicle, etc...) is also discussed. Information is provided on preparing resumes and interviewing. Students also study how to decide what career paths to follow. Weekly uniform inspections and unit drill are also incorporated into the leadership curriculum, and a drill evaluation is included as part of both the fall and spring final examination process.

Wellness (Physical Fitness)

The wellness program consists of two exercise programs focused upon individual baseline improvements and achieving national standards. One program is the AFJROTC Wellness Exercise program, comprised of exercises which can be conducted with minimal space and climate dependency. The exercises develop all muscle groups and provide a combination of aerobic and anaerobic intensity. Further, all require no equipment. The second program is the President's Fitness Challenge, which recognizes students for their level of physical fitness in 6 specific activities. During the course of the year, students are assigned weekly physical fitness homework. Student progress is evaluated during an initial Cadet Fitness Assessment in the fall semester; during a final Cadet Fitness Assessment in the spring semester; and as part of both the fall and spring final examination process.

COMPUTER SCIENCE

AP COMPUTER SCIENCE PRINCIPLES 260007

Grade Level: 10-12

AP Exam Fee: \$94

AP Computer Science Principles introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. The rigorous course promotes deep learning of computational content, develops computational thinking skills, and engages students in the creative aspects of the field. The course is unique in its focus on fostering students to be creative. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using simulations to explore questions that interest them.

AP COMPUTER SCIENCE A 260003ab

Grade Level: 11-12

AP Exam Fee: \$94

Prerequisite: Algebra II with Trig

Course Video: <http://www.youtube.com/watch?v=fqw1CHxUD2A>

AP Computer Science (APCS) emphasizes the development of computer programs that correctly solve a given problem using the Java programming language. Students will learn to design and implement solutions to problems by writing, running and debugging computer programs using algorithms and data structures.

Additionally, student will learn to read and understand large programs and recognize the ethical and social implications of computer use.

FINE ARTS ACADEMY

4 Concentrations

The [Hoover High School Fine Arts Academy](#) exists to provide a pathway for young artists to develop their talents in music, theatre, dance and/or visual art. By implementing a rigorous and comprehensive curriculum, real life experiences and collaborative learning, the FAA prepares students for further study at the collegiate level or a career in the arts.

To complete the FAA at Hoover High School students will:

- Fill out the online application (link below) and be accepted via email.
- Choose a concentration (Band, Choir, Theatre, Dance or Visual Art)
- Complete 6 Fine Arts courses, not including FAA Career Prep
- At least 4 of those 6 credits must be in your chosen concentration

| Music (Band or Choir) | Theatre | Dance | Visual Art |
|-------------------------------|---------------------------------------|-------------------------------|-------------------------------|
| Fine Arts Academy/Career Prep | Fine Arts Academy/Career Prep | Fine Arts Academy/Career Prep | Fine Arts Academy/Career Prep |
| Ensemble 1 | Theatre Arts Course 1 | Dance Course 1 | Visual Arts Course 1 |
| Ensemble 2 | Theatre Arts Course 2 | Dance Course 2 | Visual Arts Course 2 |
| Ensemble 3 | Theatre Arts Course 3 | Dance Course 3 | Visual Arts Course 3 |
| Ensemble 4 | Theatre Arts Course 4 / IB Theater | Dance Course 4 | Visual Arts Course 4 |
| AP Music Theory / IB Music | Other Arts Elective* | Other Arts Elective* | AP Art |
| Other Arts Elective* | Other Arts Elective* | Other Arts Elective* | Other Arts Elective* |

*The “Other Arts Elective” is not required to be in your concentration. Students may choose any arts elective course or their chosen concentration.

[Fine Arts Academy Video](#)

To learn more about the requirements for Fine Arts Academy, click [HERE](#).

If you choose to join this academy, complete the application by clicking on the link: [Link to FAA application](#)

Offered courses can be found in the FINE ARTS section listed in this Course Selection Guide.

VISUAL ARTS

ART 1

286100

Grade 9-12

Fee: \$50

Course Video: <http://www.youtube.com/watch?v=CmILxvFj4oc>

In this course students will be introduced to a wide range of two and three dimensional art media and techniques. Some of the two dimensional projects include: drawing in pencil, ink, and charcoal; collage; oil pastels; and painting in watercolor, temperas, and acrylics. Three-dimensional projects may include: clay sculpture, hand-built pottery, paper mache sculpture, and plaster carving. Students will also learn about the elements of art and principles of design, a vocabulary of art terms, and a survey of the major movements in art history.

VIRTUAL ART I

280093ae

Grade 9-12

Fee: \$50

Course Video: https://youtu.be/_Dk0SPnm0TI

Recommendation: Students interested in virtual classes should have a strong work ethic, read on grade-level, ability to work independently, strong computer skills and an overall grade point average of 2.5 to be successful in a virtual course.

Requirement: [Permission Form](#) must be turned in with course selection sheet

Virtual Art 1 follows the same curriculum as the face-to-face Art 1 classes but is taught through video lessons and online activities. The students receive supplies to keep at home to complete assignments by certain due dates. The students watch step-by-step videos and instructions for each art project. All information and communication for the course is through Google Classroom and email including, lessons, assignments, and due dates. Students then submit their work through the website used for the lesson, as well as, turning in the physical work for grading art projects when complete. Students can also ask questions and receive feedback through the website or email. *Requirement: [Permission Form](#) must be turned in with course selection sheet*

ART 2 DRAWING AND PAINTING

286200

Grades 10-12

Prerequisite: Art 1 Intro to Art

Fee: \$50

Course Video: <http://www.youtube.com/watch?v=mHt1W11EUNY>

Drawing is the foundation of all the visual arts. In this class students will learn how to develop their drawing and painting skills. Students will draw in pencil, charcoal, and ink. Drawing from life will be emphasized, working from the model and the still life. The fundamentals of perspective will be covered also. Once drawing skills are improved, students will learn about color theory and mixing colors. They will also learn a variety of painting techniques in watercolor, temperas, and acrylics.

ART 3 DRAWING AND PAINTING

286300

Grades 10-12

Prerequisite: Art 2

Fee: \$50

Course Video: <http://www.youtube.com/watch?v=mHt1W11EUNY>

This course is designed for students who are serious about developing their own artistic style. The primary focus will be creating original artwork using a variety of 2-D media with an emphasis on working from direct observation (still lifes and models) and solving open-ended projects and problems. For students who will be

going on to Advanced Placement Art their senior year, this course can serve as a preparatory course, giving them an early start on work for their AP portfolio.

ART 4 DRAWING AND PAINTING

286400

Grade Level: 12

Prerequisite: Art 3

Fee: \$50

Course Video: <http://www.youtube.com/watch?v=mHt1W11EUNY>

This course is for 12th grade art students who do not want to take art at the AP level, but who would like to continue working in two-dimensional media. Each nine weeks, students will work on developing a mini concentration of original work in a variety of media with an accompanying written artist statement. Students will be able to prepare a portfolio for scholarships and college review but not have the demands and restrictions of the AP Studio course.

STUDIO ART DRAWING, ADVANCED PLACEMENT

280102 (Painting & Drawing)

Course Fee: \$50

AP Exam Fee: \$93

Prerequisite: Art 3

Recommendation: 1) A score of 25 or higher on the self-assessment rubric and 2) Students who desire the challenge of pursuing college course work at the high school level.

Course Video: <http://www.youtube.com/watch?v=mHt1W11EUNY>

AP Studio Art: Drawing is for self-motivated, senior students who are committed to creating work that requires more time and skill than the typical high school course. This course is a yearlong, college level exploration of mark-making in drawing, painting, printmaking, and/or mixed media that addresses a very broad interpretation of drawing issues and media. Your portfolio must show the quality of your work as well as a planned Sustained Investigation of an idea of personal interest to you. The structure of the Sustained Investigation, and Quality requires you to show imaginative skill and a broad mastery of visual design concerns in a portfolio for submission to the College Board. This course will require hard work both in and out of class. Only serious art students should sign up for this course.

STUDIO ART 3-D DESIGN, ADVANCED PLACEMENT

280104 (Ceramics)

Grade Level: 12

Course Fee: \$50

AP Exam Fee: \$93

Prerequisite: Art 3

Recommendation: 1) A score of 25 or higher on the self-assessment rubric and 2) Students who desire the challenge of pursuing college course work at the high school level.

Course Video: <http://www.youtube.com/watch?v=mHt1W11EUNY>

AP 3-D Art and Design is an introductory college-level three-dimensional design course. The art student who excels in sculpture and/or ceramics will be challenged to refine and apply skills and ideas from previous years. They will develop as an artist throughout the course to produce focused and mature three-dimensional art and design.

2-D DESIGN (Semester class)

286104

Grades 9-12 Semester class

Fee: \$25

Design 2D is a semester long introductory class which focuses on the application of design concepts related to the elements of art and principles of design. Projects will combine a variety of materials and techniques and will utilize various drawing and paint application methods to produce functional and

nonfunctional works of art. Principles taught in this course have direct application to all art media and provide a foundation and direction for learning skills in other courses.

3-D DESIGN (Semester class)

286105

Grades 9-12 Semester class

Fee: \$25

Design 3D is a semester long introductory class which focuses on the application of design concepts related to the elements of art and principles of design in 3 dimensions. Projects will utilize a wide variety of materials, including wire, clay, wood and paper to create functional and nonfunctional 3-dimensional works of art. Principles taught in this course have direct application to all art media and provide a foundation and direction for learning skills in other courses.

CERAMICS 1 286207

Fee: \$50

Prerequisite: Art I or permission by an administrator

Course Video: <http://youtu.be/a5VvdAK7uqc>

In the Ceramics classroom you will see works of art in progress, potters wheels, glazing tables, ceramic tool stations and other equipment and tools used for ceramic arts. As a part of the ceramics class you will be taught to create both functional and nonfunctional works of art. You will be taught to create these works using the slab, molding and wheel methods. These works include hand painted platters, wheel thrown dishes (cups, bowls, casserole), musical instruments, fountains, painted tiles and much more. You will sometimes work in groups on larger projects and sometimes work in pairs. When you complete this course you will have a strong working knowledge of clay and its many functions as well as how to build and utilize its magnificent qualities.

CERAMICS 2 286307

Fee: \$50

Course Video: <http://youtu.be/a5VvdAK7uqc>

Advanced Ceramics is an extension of the processes learned in Ceramics I. In addition to the hand building methods learned previously, the student will be exploring more advanced techniques on the potter's wheel including functional wares such as plates, casserole dishes and drinking mugs. The student will also be discovering self-expression through transferring imagery onto his/her clay forms using printmaking methods such as screen printing and stenciling. Advanced Ceramics will serve to further the student's knowledge of the many other avenues that can be travelled by the clay artist.

DIGITAL PHOTOGRAPHY 286103

Grades: 10-12

Fee: \$80

Course Video: <http://www.youtube.com/watch?v=U3Z0s8mVCGY>

In this course the student will be introduced to the many technical aspects of modern day digital photography and digital photo manipulation. Students will become proficient in the use of digital cameras as well as professional photography studio equipment. Students will utilize the photography editing software, Adobe Photoshop to manipulate their photography, and to create meaningful artistic photographs. This course includes a study of the elements of art and principles of design and the application of those elements to real-world problems. Students will learn the history, vocabulary, and artists associated with photography and digital collage. Students will create a digital portfolio of their work in this course.

DIGITAL PHOTOGRAPHY II 286203

Prerequisite: Digital Photography and signature of instructor (Rigsby)

Fee: \$80

Course Video: <http://www.youtube.com/watch?v=U3Z0s8mVCGY>

This course is designed as an advanced study of photography and digital editing techniques. The class will build on knowledge gained from the Digital Photography Class. Students will continue to refine their personal aesthetic through the act of written and oral critique as well as researching a variety of artists and art movements. Students must own a digital camera, be self-motivated, and have a strong interest in the subject matter.

STUDIO ART 2-D DESIGN, ADVANCED PLACEMENT 280103 (Digital Photography)

Course Fee: \$80

AP Exam Fee: \$93

Prerequisite: Digital Photography II

Recommendation: 1) A score of 25 or higher on the self-assessment rubric and 2) Students who desire the challenge of pursuing college course work at the high school level.

Course Video: <https://youtu.be/DkOw3W7Krsk>

AP Studio Art: 2D Design with an emphasis in Digital Photography is for senior students that are serious about photography and who are highly self-motivated and committed to building a superior portfolio. This course is a yearlong, college level exploration of the principles of design as expressed through digital photography. AP work demands significantly more time and accomplishment than the typical high school course. AP Digital Photography is not a course based on a written examination; instead you will create a portfolio for submission to the College Board. You will ultimately demonstrate your skills through your portfolio of photographs that show the quality of your work as well as a planned Sustained Investigation of an idea of personal interest to you. The structure of the Sustained Investigation, and Quality requires you to show imaginative skill and a broad mastery of visual design concerns.

PHOTOGRAPHY 286102

Grade Level: 10-12

Fee: \$95

(Special Instructions: Student must have a 35mm camera)

Course Video: <http://www.youtube.com/watch?v=uG6ivRyE8YY>

In this class students will learn about photography as a fine art. Objectives for the class include: the proper use of a camera, film developing, printing, the rules of good composition, and the history of photography. Students will also learn about pin-hole photography, photograms, emulsion transfer techniques, and hand tinting as well as a basic introduction to digital photography and the use of Adobe Photoshop manipulation techniques.

SCULPTURE 286211

Grades 10-12

Fee: \$50

Course Video: http://www.youtube.com/watch?v=L9PsOy6Sk_w

This course is designed for students who wish to explore sculpture in a variety of media. The class will include sculpting with sheet metal, bronze and aluminum, plaster and glass. Clay sculpture and pottery is also included, using hand building and wheel throwing techniques with high-fire earthenware. Students will also explore raku firing, and a variety of glaze application techniques.

DANCE

DANCE I 281100

Grades 9-12

Fee: \$25

Course Video: https://youtu.be/_6Em3KJLRH0

This course emphasizes the essential elements needed for learning basic dance styles and techniques. All aspects of dance will be covered in this course including ballet, jazz, tap, modern, and contemporary genres, cultural dance, dance history, dance terminology, choreography and performance. Students will also learn kinesiology, nutrition, and injury prevention. Dance will be experienced by the students physically, cognitively, socially, and emotionally. There will be at least one required performance each year (spring). The Dance I class will include the Kinesiology curriculum can count as a PE credit or a Fine Art or Elective credit.

DANCE II 281200

*Prerequisite: Permission of instructor (*previous dance experience required) or successful completion of the Dance I course)*

Grades 9-12

Fee: \$25

Course Video: https://youtu.be/_6Em3KJLRH0

Dance II (formerly called Advanced Dance) is a program designed for students with a sound background in dance. Students enrolled in this course should already have knowledge of dance terminology as well as proper dance technique. This course will focus on exploring more complex choreography in addition to historical and cultural concepts of dance. Students will also learn to relate music and movement through self-choreographed pieces. Dance I is not necessarily a prerequisite to Dance II although students with no or limited dance experience will want to pursue the more basic course before attempting the fast-paced, more challenging Dance II class. There will be three required performances each year (fall, winter, & spring). The Dance II class will include the Kinesiology curriculum can count as a PE credit or a Fine Art or Elective credit.

DANCE III 281300

Prerequisite: Permission of instructor AND either extensive dance experience or successful completion of the Dance II course.

Grades: 10-12

Fee: \$25

Course Video: https://youtu.be/_6Em3KJLRH0

Dance III is a program designed for students with an extensive background in dance and those that have completed Dance II. Students enrolled in this class have a firm knowledge of dance terminology and a grounded understanding of dance technique. This course will focus on expanding the students' understanding of the background, history, and important influences of dance. Students will focus on finding their own artistic “voice” and will delve deeper into the choreographic process while creating a digital dance portfolio that will showcase their work throughout the year. There will be three required performances throughout the year (fall, winter, & spring).

DANCE IV 281312

Prerequisite: Permission of instructor AND either extensive dance experience or successful completion of the Dance III course.

Grades: 11-12

Fee: \$25

Course Video: https://youtu.be/_6Em3KJLRH0

Dance IV is designed for students with an extensive background in dance and those that have completed Dance III. This class will refine and demonstrate concepts focused on a specific area of emphasis within dance. Students will collaboratively and independently refine specific works of their choice from the range of forms within dance. Students will focus on finding their own artistic “voice” and will delve deeper into the choreographic process while creating a digital dance portfolio that will showcase their work throughout the year. There will be three required performances throughout the year (fall, winter, & spring).

BAND

BAND - CONCERT/MARCHING

| | |
|--|---------------|
| Novice (9th) | 283102 |
| Intermediate (10th) | 283202 |
| Proficient (11th) | 283302 |
| Accomplished (12th) | 283402 |
| Advanced (Permission of Instructor) | 283502 |

Prerequisite: Audition and prior instrumental music instruction required. No beginning instruction is available. Each musician will be expected to perform at a Grade 3 level of musicianship to participate in the band. Concert and Marching instruction is provided for each student. Band is divided into 2 or 3 class levels (depending on total enrollment) which is determined by audition prior to enrollment. Students must be in band both semesters. Attendance at all rehearsals and performances is required and graded.

Fee: \$180

Course Video: <http://www.youtube.com/watch?v=YFBWkJ6yeHE>

Marching band will provide musical and visual entertainment at all football games. In addition, students will participate in competitive events such as marching festivals and contests. Concert bands will perform winter and spring concerts and will participate in District and State assessment performances. Major areas of concentration are as follows: development of characteristic tone production, playing fundamentals, and marching fundamentals. This course meets the Physical Education requirement and additionally the Fine Arts requirement.

BAND - JAZZ ENSEMBLE

| | |
|--|---------------|
| Novice (9th) | 283104 |
| Intermediate (10th) | 283204 |
| Proficient (11th) | 283304 |
| Accomplished (12th) | 283404 |
| Advanced (Permission of Instructor) | 283504 |

Prerequisite: Membership in concert and marching band (except for guitar, bass, and piano) and by audition only.

Fee: \$40

Course Video: <http://www.youtube.com/watch?v=WvJNZEKliJc>

This course is designed to develop skills in the performance of jazz, rock, popular, and studio music. This group is a major performing group in the band program and presents concerts to appropriate school and community events. Attendance at performances is part of the course requirements. The course will also explore the fundamentals of jazz improvisation, jazz theory and jazz history.

BAND - AUXILIARY GROUPS

BAND - AUXILIARY

DANCE

Dance Team A - Varsity

| | | | |
|---------------|-----------------|---------------|-----------------|
| Year 1 | 281100aa | Year 3 | 281300aa |
| Year 2 | 281200aa | Year 4 | 281312aa |

Dance Team B - Junior Varsity

| | | | |
|---------------|-----------------|---------------|-----------------|
| Year 1 | 281100ab | Year 3 | 281300ab |
| Year 2 | 281200ab | Year 4 | 281312ab |

Prerequisite: By tryout only

Fee: Paid through Buccanettes + \$180 paid at registration.

Course Video: <http://www.youtube.com/watch?v=0NMn8ABkYIA>

Buccanettes perform at all pep rallies, football games, competitions, and parades. In addition, members will perform at selected home basketball games and other community events. Buccanettes are chosen in the spring of this year and are required to uphold all rules and regulations established in the Buccanette Policy Manual.

BAND - AUXILIARY

FLAGS

| | | | |
|---------------|-----------------|---------------|-----------------|
| Year 1 | 281100ac | Year 3 | 281300ac |
| Year 2 | 281200ac | Year 4 | 281312ac |

Prerequisite: By tryout only

Fee: Paid through instructor - \$180 paid at registration.

Color Guard members are selected in April for the upcoming school year. Color Guard is a year-long commitment. Color guard will perform at all football games, parades, and competitions in the fall. Members are expected to perform at all band performances. Color Guard will participate in the winter competitive program second semester.

MUSIC - CHORAL

CHOIR 9TH GRADE WOMEN 283601

Fee: \$40

Course Video: <https://youtu.be/zcL0wPQgmYQ>

The primary focus in this choir is the development of the singing voice, developing fundamental musical skills including ear training, sight singing and music theory. This choir participates in two major concerts each year and State Choral Performance Assessment. This is a performance based elective that has a \$40.00 elective fee and requires purchasing a uniform (\$75.00 - only once in your career at Hoover High School). If you have a desire to improve your singing voice, have a positive attitude, and have a good work ethic you will be successful in this course.

CHOIR 9TH GRADE MEN 283602

Fee: \$40

Course Video: <https://youtu.be/zcL0wPQgmYQ>

The primary focus in this choir is the development of the singing voice, developing fundamental musical skills including ear training, sight singing and music theory. This choir participates in two major concerts each year and State Choral Performance Assessment. This is a performance based elective that has a \$40.00 elective fee and requires purchasing a uniform (\$75.00 - only once in your career at Hoover High School). If you have a desire to improve your singing voice, have a positive attitude, and have a good work ethic you will be successful in this course.

CONCERT CHOIR 10TH GRADE WOMEN 283701

Fee: \$40

Course Video: <https://youtu.be/zcL0wPQgmYQ>

The primary focus in this choir is the development of the singing voice, developing fundamental musical skills including ear training, sight singing and music theory. This choir participates in two major concerts each year and State Choral Performance Assessment. This is a performance based elective that has a \$40.00 elective fee and requires purchasing a uniform (\$75.00 - only once in your career at Hoover High School). If you have a desire to improve your singing voice, have a positive attitude, and have a good work ethic you will be successful in this course.

CONCERT CHOIR 10TH GRADE MEN 283702

Fee: \$40

Course Video: <https://youtu.be/zcL0wPQgmYQ>

The primary focus in this choir is the development of the singing voice, developing fundamental musical skills including ear training, sight singing and music theory. This choir participates in two major concerts each year and State Choral Performance Assessment. This is a performance based elective that has a \$40.00 elective fee and requires purchasing a uniform (\$75.00 - only once in your career at Hoover High School). If you have a desire to improve your singing voice, have a positive attitude, and have a good work ethic you will be successful in this course.

CONCERT CHOIR 11TH GRADE 283800

Fee: \$40

Course Video: <https://youtu.be/zcL0wPQgmYQ>

In 11th grade advanced choirs singers continue to develop musical skills started in the 9th and 10th Grade Concert Choirs. Although it is helpful for developing vocal musical skills participation in 9th and 10th Grade Choir is not required for participation in the upper level choirs. This is a performance based elective that has a \$40.00 elective fee and requires purchasing a uniform (\$75.00 - only once in your career at Hoover High School). In these ensembles there is strong concentration on music fundamentals with continued development of ear training, sight reading, healthy vocal production, and music theory. Choral repertoire in these ensembles is more advanced and challenging. This is a performance based elective and there is a uniform purchase requirement. There are two major performances each year and these choirs participate in State Choral Performance Assessment. Students in these ensembles are also offered the opportunity to participate in Collegiate Honor Choirs at in state and out of state colleges and universities. Many choral students from the HHS Choral Department are attending college/university on choir scholarships. They have received these scholarships based on their ability to sight read, their vocal tone quality and other musical skills learned and developed through participation in the HHS Choral Program. These students are majoring in disciplines other than music, but participate in choir. Many former choral students are on scholarship majoring in music.

CONCERT CHOIR 12TH GRADE 283900

Grade Level: 11 – 12

Fee: \$40

Prerequisite: Interview/Audition with Choral Director

Course Video: <https://youtu.be/zcL0wPQgmYQ>

In 12th grade advanced choirs singers continue to develop musical skills started in the 9th and 10th Grade Concert Choirs. Although it is helpful for developing vocal musical skills participation in 9th and 10th Grade Choir is not required for participation in the upper level choirs. This is a performance based elective that has a \$40.00 elective fee and requires purchasing a uniform (\$75.00 - only once in your career at Hoover High School). In these ensembles there is strong concentration on music fundamentals with continued development of ear training, sight reading, healthy vocal production, and music theory. Choral repertoire in these ensembles is more advanced and challenging. This is a performance based elective and there is a uniform purchase requirement. There are two major performances each year and these choirs participate in State Choral Performance Assessment. Students in these ensembles are also offered the opportunity to participate in Collegiate Honor Choirs at in state and out of state colleges and universities. Many choral students from the HHS Choral Department are attending college/university on choir scholarships. They have received these scholarships based on their ability to sight read, their vocal tone quality and other musical skills learned and developed through participation in the HHS Choral Program. These students are majoring in disciplines other than music, but participate in choir. Many former choral students are on scholarship majoring in music.

CHOIR SHOW (PARADIGM)

Novice - Year 1 283605

Intermediate - Year 2 283705

Grade Level: 10-12

Fee: \$40 plus additional fees / fund-raising / donations for costuming and choreography

*Prerequisite: Must have been a member for at least one year in a high school choir. **Audition in May, and must also be enrolled in a grade level choir.***

Course Video: <https://youtu.be/zcL0wPQgmYQ>

Paradigm is a competitive, auditioned show choir. The men and women of *Paradigm* perform numerous times throughout the school year, travel throughout the southeast, and participate in multiple show choir competitions. Class time is spent preparing and singing competition show music and choreography. Extra rehearsals are held

on occasional weekends. Additional expenses include costume rental, competition fees, choreography retreat, and a general show choir fee.

MUSIC ELECTIVES

MUSIC THEORY, AP (+1.00 course weight) 280024

Grade: 10-12

AP Exam Fee: \$94

Prerequisite: Band, choir or knowledge of music fundamentals

Recommendation: 1) A score of 25 or higher on the [self-assessment rubric](#) and 2) Students who desire the challenge of pursuing college course work at the high school level.

Course Video: <http://www.youtube.com/watch?v=LPj&tJxEMFQ>

AP Music Theory is designed to provide students with a learning experience equivalent to that of an introductory college course in music theory. The goal of this course is to develop the student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. This course will seek to instill mastery of the rudiments and terminology of music as well as the development of aural, written, compositional, analytical, and sight-singing skills. Among the rudiments of music to be mastered in this course are notation, scales, keys, modes, chords, Roman numeral analysis, metric organization, figured bass, part writing and much more. Music Theory is an AP class that is for both instrumentalists and vocalists. This course is strongly recommended for any student who is considering majoring or minoring in music and also for those who want a deeper understanding of the theoretical aspects of music.

IB MUSIC (Virtual) 280025

Corequisite: Band or Choir and one or more additional IB classes

Grade 12

Fee: See IB Program Fee

Recommendations: 1) A score of 25 or higher on [self-assessment rubric](#)

Course video: <https://youtu.be/gVZ9IBxyCsM>

This course is taught in conjunction with a music performance class (band or choir). In this blended online course, students will not only analyze traditional composers such as Mozart and Beethoven, but will also get to explore different musical styles across the globe from Mongolian throat singing, Middle-Age chants, Native American lullabies, to genres like jazz and pop. All music is subject to investigation in this course, and students will compare and contrast the compositional elements behind two differing cultural genres. If you are interested in delving into your favorite classical works, iconic Broadway tunes, or even songs from the Beatles or Skrillex, this course is for you.

THEATRE

INTRODUCTION TO THEATRE I (Year 1)

285100

Grade Level: 9-12

Prerequisite: None

Fee: \$15

Course Video: http://www.youtube.com/watch?v=Fl8F_9hY9xA&feature=youtu.be

Theater I is a basic introduction to the theater. Emphasis is placed on the fundamentals of acting as well as the basics of play production such as lighting, sound, costuming, and set design/construction. Activities include performing from published plays as well as improvisation and creative dramatics. The goal of Theater I is to acquire an appreciation for the theater as an actor, backstage participant, and audience member. Opportunities to participate in school play productions are available.

THEATRE II (Year 2)

285200

Grade Level: 10-12

Prerequisite: Introduction to Theatre I or Approval Of The Instructor

Fee: \$15

Course Video: http://www.youtube.com/watch?v=Fl8F_9hY9xA&feature=youtu.be

Theater II is a more in-depth investigation of the theater. The students participate in local or state-wide theater festivals. Students also select, direct and produce plays as part of the Hoover One-Act Play Festival. Other class activities include improvisation, creative dramatics, and selected units of study which vary per year. Past topics have included make-up, stage combat, dialects and Shakespeare.

THEATRE III (Year 3)

285300

Prerequisite: Theatre II Or Approval Of The Instructor

Grade Levels: 11-12

Fee: \$15

This one credit course, advanced level, continues the study of theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment. Student will demonstrate concepts and skills on how theatre communicates ideas and allows for self-expression. Students will use their acting talent to refine theatre technique equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre. Students will study, write and/or perform scenes and monologues. Students will further study the history of theater and technical theatre.

ACTING TECHNIQUE (III) (Year 4)

285303

Prerequisite: Theatre III Or Approval Of The Instructor.

Grade Level: 12

Fee: \$15

This one credit course, advanced level, focuses on specific acting techniques. Creating, performing, and connecting drive critical thinking, meaning, reflection, production and assessment through specific acting techniques. Students will refine self-expression and demonstrate an understating of how methods of acting may be used to communicate artistic ideas. Students will continue to study, write and/or perform scenes and monologues, use text analysis as well as character analysis to perform informal and formal productions equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre.

TECHNICAL THEATRE I (Year 1)

285102

Grade Level: 9-12

Prerequisite: Due to class size, approval from director required if entering 10th, 11th or 12th grades

Fee: \$15

Course Video: http://www.youtube.com/watch?v=Fl8F_9hY9xA&feature=youtu.be

Technical Theater I is an overview of tech theatre which includes shop safety, tools, backstage techniques, lighting, costuming, stage management and set design/construction. Tech Theatre provides hands-on opportunities for the students. *[Notice to parents/guardians: This course requires that students work with inherently dangerous power tools, power saws and additional theatrical production equipment and supplies.]*

TECHNICAL THEATRE PRODUCTION II (Year 2)

285202

Prerequisite: Introduction To Technical Theatre Or Approval Of The Instructor.

Fee: \$15

This one credit course, accomplished level, continues the study of technical theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further technical skills and artistry through a technical theatre experience. Students will explore in more depth design principles, scenery, lighting, costuming and sound design for theatre productions. Students will study the history of theatre and an emphasis will be placed on the safe practices and proper use of tools, equipment and materials.

TECHNICAL THEATRE PRODUCTION III (Year 3)

285302

Prerequisite: Technical Theatre Production II Or Approval Of The Instructor.

Fee: \$15

This one credit course, advanced level, continues the study of technical theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to demonstrate concepts and skills through a technical theatre experience. Students will learn design principles, scenery, lighting, costuming and sound design for theatre productions. Students will study the history of theatre and an emphasis will be placed on the safe practices and proper use of tools, equipment and materials equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre.

LIGHTING AND SOUND DESIGN AND CONSTRUCTION III (Year 4) 285306

Prerequisite: Technical Theatre Production III Or Approval Of The Instructor.

Fee: \$15

This one credit course, advanced level, refines in depth the principles, elements, techniques, and methods used to realize lighting and sound design in a theatrical setting. Emphasis is placed on demonstrating technical skills and concepts required to prepare, set, and run lighting and sound equipment in production. Students will refine how to develop the conceptual, compositional, and technical skills of both lighting and sound design equivalent to college-preparatory or honors to reinforce a continued enjoyment of theatre. Safe practices and proper use of tools, equipment and materials will be used.

IB THEATER

280081

Prerequisite: Theater Arts, and and one or more additional IB classes

Grade level: 11 and 12 (2 year course: 1st year prep, 2nd year prep and assessments)

Fee: See IB Program Fee

Recommendation: 1) A score of 25 or higher on [self-assessment rubric](#)

Course Video: http://www.youtube.com/watch?v=Fl8F_9hY9xA&feature=youtu.be

This course will be taught in conjunction with advanced drama. Students will complete additional assessments based on the IB theater requirements and develop their theater portfolio which will be submitted for IB assessment.

PHYSICAL EDUCATION/HEALTH

PHYSICAL EDUCATION - REQUIRED

BEGINNING KINESIOLOGY (formerly called Physical Education/ Life Course) 240090

Course Video: <https://youtu.be/4Z0M0bD6h2U>

All 9th graders are required to take the Beginning Kinesiology course. This course provides students with the opportunity to develop an individual level of fitness, acquire knowledge of fitness concepts, and understand the significance of a healthy lifestyle.

ATHLETIC KINESIOLOGY, BOYS

240090aa

Course Video: <https://youtu.be/4Z0M0bD6h2U>

This course is for students who are on a Hoover High athletic team. The course offers advanced skills in strength training and conditioning as well as covering the concepts required by the state course of study for the Beginning Kinesiology course. Roster will be approved by the coach.

ATHLETIC KINESIOLOGY, BOYS FOOTBALL

240090ac

ATHLETIC KINESIOLOGY, GIRLS

240090ab

Course Video: <https://youtu.be/4Z0M0bD6h2U>

This course is for students who are on a Hoover High athletic team. The course offers advanced skills in strength training and conditioning as well as covering the concepts required by the state course of study for the Beginning Kinesiology course. Roster will be approved by the coach.

PHYSICAL EDUCATION - ELECTIVES

SPORTS OFFICIATING CERTIFICATION

240011

Prerequisite: PE LIFE/Kinesiology. The student must be age 16 or older, or turn age 16 during the academic school year.

Grade Levels: 10-12

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

FITNESS & CONDITIONING - GIRLS

240014

Fee: \$15.00 (Not for members of athletic teams)

Prerequisite: PE LIFE/Kinesiology or its equivalent

Course Video: <https://youtu.be/4Z0M0bD6h2U>

This class focuses on total body wellness to include nutrition and a variety of different workouts to maintain or improve current fitness level. Fitness and conditioning including body sculpting, aerobic exercise, yoga and spinning. This will be the best class of your day due to the stress relief and happy endorphin release that only exercise can bring!

STRENGTH & CONDITIONING - BOYS**240014aa***Fee: \$15.00 (Not for members of athletic teams)**Prerequisite: PE LIFE/Kinesiology or its equivalent*Course Video: <https://youtu.be/4Z0M0bD6h2U>

This course acquaints students with the basic knowledge and skills in strength and conditioning that can be used to enhance fitness pursuits today as well as in later life. The goals of this class are to improve muscular strength, muscular endurance, flexibility, cardiovascular fitness as well as enhance body image.

LIFE SPORTS: INDIVIDUAL, DUAL, AND TEAM**240016***Fee: \$15*Course Video: <https://youtu.be/4Z0M0bD6h2U>

This course offers an opportunity to participate in a wide variety of team sports, lifetime skills, and recreational activities.

| |
|-------------------------------------|
| 10–12th GRADE HEALTH COURSES |
|-------------------------------------|

HEALTH EDUCATION (Required)**250002***Semester course*Course Video: <http://www.youtube.com/watch?v=JZeSZodM0AM>

Health Education is a one-semester REQUIRED course. It is designed to include recent and reliable information on the promotion of wellness, the reduction of health risks, the prevention of disease, and the management of health problems.

HEALTH EDUCATION - VIRTUAL**250002aa***Semester course**Requirement: [Permission Form](#) must be turned in with course selection sheet*Course Video: http://youtu.be/0_B4aQ6uGUA

Health Education is a one-semester REQUIRED course. It is designed to include recent and reliable information on the promotion of wellness, the reduction of health risks, the prevention of disease, and the management of health problems. However, the virtual version will be designed for students to work independently on the material. Students are able to pace themselves, work from home, and enjoy control of their schedule. Students can expect to work 4-5 hours per week on virtual coursework. *Requirement: [Permission Form](#) must be turned in with course selection sheet*

PRINCIPLES OF ATHLETIC TRAINING**250003aa**Course Video: https://www.youtube.com/watch?v=6cQfzsL2Fb0&feature=em-share_video_user

Sports Medicine provides students with basic knowledge of the profession of athletic training. Topics include: athletic trainer and the sports medicine team; physical conditioning and training; nutritional considerations for athletes; protective sports devices; psychological stresses due to injury, emergency procedures; environmental consideration in sports; and taping and bandaging. In addition to classroom work, students will be required to complete hours outside of class supervised by a certified athletic trainer.

MEDICAL TERMINOLOGY (Virtual)**250003ab***Grade level: 10-12: Open to any Hoover High School student*

Medical Terminology is a one-credit course that is designed for students to develop health care specific knowledge for a career in the medical field. The course uses an integrated approach for teaching the language of medicine to the health care student by incorporating medical terminology with anatomy and physiology and the disease process. Students will learn to utilize basic components of words to create medical terms and differentiate medical terminology based on body organization, body systems, and body structures.

ATHLETIC COURSES

**Freshman athletes not specified below can take Athletic Kinesiology throughout the day (any period).

| SPORT | CLASS PERIOD |
|------------------------------|--|
| BASEBALL, Varsity | 8th |
| BASEBALL, JV | 8th |
| BASEBALL, Freshmen | Athletic Kinesiology (2nd-7th periods) |
| BASKETBALL, Boys JV/ Varsity | 0 |
| BASKETBALL, Boys Freshmen | Athletic Kinesiology (2nd-7th periods) |
| BASKETBALL, Girls JV/Varsity | 8th |
| BOWLING | 7th |
| CHEER, Orange Crush | 1st |
| CHEER, All Football | 8th |
| CROSS COUNTRY/TRACK | WT TRAIN 7TH/ practice after 8th period only |
| FOOTBALL, Varsity | 0 |
| FOOTBALL, JV | 8th |
| FOOTBALL, Freshmen | 1st (WITH COACH FUQUA OR COWAN) |
| GOLF, Boys and Girls | 8TH - SECOND SEMESTER |
| SOCCER, Boys | ALL LEVELS 8TH |
| SOCCER, Girls | ALL LEVELS 8TH |
| SOFTBALL | 7TH |
| SWIM/DIVE | N/A - after school only |
| TENNIS | 8TH - SECOND SEMESTER |
| VOLLEYBALL, JV/Varsity | 0 |
| VOLLEYBALL, Freshmen | Athletic Kinesiology (1st - 6th periods) |
| WRESTLING | 8TH |

WORLD LANGUAGES

Hoover High School offers four years of the following languages: Spanish, French, and Latin. The fourth year of Spanish, French, and Latin are at the AP or IB level. While World Language is not a requirement for graduation, many colleges do require or encourage 2 years of the same language for admittance. In addition, World Language courses help fulfill the diploma requirement of 3 CTE/Fine Arts/World Language credits. The department recommends that a student have at least a 75 average in the previous language study to successfully progress to the next level.

FRENCH

FRENCH 1 270023

Course Video: <https://youtu.be/ldY6P62wl9g>

French 1 provides the essentials of basic French. Vocabulary, verbs, and basic communicative skills are some of the major focuses of the course. Daily oral practice is an important component of the course as well. Students gain an insight into the culture of France and Francophone countries by listening to music, watching films and other authentic resources which enhance reading, writing, listening and speaking skills.

FRENCH 2 270024

Prerequisite: French 1

Course Video: <https://youtu.be/ldY6P62wl9g>

French 2 builds upon the skills learned in French 1. The vocabulary is expanded and many new verb tenses are added. Reading and writing skills are also improved through cultural excerpts and fun literature selections and listening and speaking skills are enhanced through films, music and other authentic resources.

FRENCH 3, Advanced Level (+.50 course weight) 270025

Prerequisite: French 2

Course Video: <https://youtu.be/mpRChsrHNJ4>

French 3 involves a grammar review. Students expand reading, writing, listening, and speaking skills through the use of a variety of texts and media such as cultural and historical readings, magazine and newspaper articles, short stories, novels, plays, poems, songs, films and radio broadcasts. The title PreAP designates a preparatory course for AP work, not a College Board Advanced Placement course.

AP French Language and Culture (+1.00 course weight) 270027

AP Exam Fee: \$94

Prerequisite: French 3 or IB French

Course Video: <https://youtu.be/-4ax4pYaj6c>

AP French pursues preparation for the Advanced Placement French Language exam. The four competencies of listening, speaking, reading and writing are integrated in the curriculum to prepare for the examination using a variety of texts and media. The course will help students demonstrate their interpersonal, interpretive, and presentational skills in the target language. Students will explore themes such as Global Challenges, Personal and Public Identities, Science and Technology, Families and Communities, Contemporary Life, Beauty and Aesthetics.

LATIN

LATIN 1 270111

Course Video: <https://youtu.be/053RZKV6cw4>

Students will acquire a proficiency in the language by reading Latin stories about Roman mythology, history, and daily life. Set both in Pompeii and in parts of the empire outside of Italy, these stories remind students that the Romans were truly everywhere in the ancient world. Students will develop their own vocabulary through the study of English derivatives. In keeping with Roman tradition, students participate in several ancient festivals throughout the year. Items of cultural and historical interest include, but are not limited to, mythology, customs, and the birth and development of Rome. In the spring, students take a field trip to the Alabama Junior Classical League Latin Convention.

LATIN 2 270112

LATIN 2 - VIRTUAL 270112aa

Prerequisite: Latin 1

Course Video: <https://youtu.be/tY-C3rQNwgc>

Students will continue to develop proficiency in the language by translating more complex Latin stories. Set in parts of the empire outside of Italy, these stories remind students that the Romans were truly everywhere in the ancient world. Students will develop their own vocabulary through the study of English derivatives. In keeping with Roman tradition, students participate in several ancient festivals throughout the year. Students enjoy a wide variety of topics in Roman daily life including, but not limited to, ancient medicine, feats of ancient engineering, and wedding and funeral customs. In the spring, students take a field trip to the Alabama Junior Classical League Latin Convention.

LATIN 3 Advanced Level (+.50 course weight) 270113

LATIN 3 Advanced Level - VIRTUAL (+.50 course weight) 270113aa

Prerequisite: Latin 2

Course Video: <https://youtu.be/Qflp61Lm66A>

Students will read a wide variety of authors such as Julius Caesar, Cicero, Ovid, Catullus and Vergil, Students will discuss the style, cultural significance, and contemporary relevance of this literature. Students will continue to use elements of the Latin and Greek languages to increase knowledge of their own language. In the spring, students take a field trip to the Alabama Junior Classical League Latin Convention.

Latin 4/5 Advanced Level (+.50 course weight) 270114

Prerequisite: Latin 3

Course Video: <https://youtu.be/Qflp61Lm66A>

This course allows the student who is interested in classical language study to continue his or her exploration. Emphasis is placed on the study of the surviving classical texts in the original language and an analysis of Greek and Roman culture and historical development. Students will continue to use elements of the Latin and Greek languages to increase knowledge of their own language. In the spring, students take a field trip to the Alabama Junior Classical League Latin Convention.

AP Latin (+1.00 course weight) 270115aa

Prerequisite: Three years of Latin

AP Exam Fee: \$94

Course Video: <https://youtu.be/Qflp61Lm66A>

Students will read extensive selections from Vergil's *Aeneid* and Julius Caesar's *De Bello Gallico* in preparation for the College Board Exam in Latin. Students will discuss the style, cultural significance, and contemporary relevance of this literature. Students will continue to use elements of the Latin and Greek languages to increase knowledge of their own language. In the spring, students take a field trip to the Alabama Junior Classical League Latin Convention.

IB LATIN (+1.00 course weight) 270116

Prerequisite: Three years of Latin

Fee: See IB Program Fee

Recommendations: 1) A score of 25 or higher on [self-assessment rubric](#)

Course Video: <https://youtu.be/Qflp61Lm66A>

This course prepares students for standard level (SL) examination in a classical language, Latin. Emphasis is placed on the study of the surviving classical texts in the original language and an analysis of Greek and Roman culture and historical development. In the spring, students take a field trip to the Alabama Junior Classical League Latin Convention.

SPANISH

SPANISH 1 270153

Course Video: <http://www.youtube.com/watch?v=oSyWL60bADE>

In Spanish 1, the student will acquire a basic vocabulary for reading, writing, and conversation. The present tenses of verbs will be learned. Students will begin to learn about the Hispanic culture, through exploring holiday traditions, listening to music, reading level appropriate materials, and learning about daily life in Hispanic countries. Students will have the opportunity to communicate with classmates in Spanish and work together to learn.

SPANISH 1 Virtual 270153ab

Prerequisite: [Permission form](#)

Students begin their introduction to high school Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.

SPANISH 2 270154

Prerequisite: Spanish I

Course Video: <https://www.youtube.com/watch?v=DMdqAZFQYsA>

Spanish 2 builds on the foundation of Spanish 1. Students will learn additional verb tenses and increase their vocabulary. Students will continue to develop their listening, writing, reading, and speaking skills. The exploration of Hispanic culture is a component of the course. This course is intended for students that will end their study of Spanish with Spanish 2.

SPANISH 2 Virtual 270154ac

Prerequisite: Spanish I, and [Permission form](#).

Students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments.

SPANISH 2 Accelerated 270154aa

Recommendation: Completion of Spanish 1 with A or B semester average

Course Video: <http://bit.ly/Spanish2AdvVideo>

Spanish 2 Advanced builds on the foundation of Spanish 1. Students will learn additional verb tenses and increase their vocabulary. The Advanced course is taught at an accelerated pace allowing students to greatly improve their listening, writing, reading, and speaking skills in preparation for further Spanish study. Students engage in language exposure through listening to songs, reading Spanish 2 level appropriate books (*Los Agentes Secretos* and *Pobre Ana Baila el Tango*), performing skits, and collaborating with classmates to research cultural aspects of the Spanish speaking world. This class is HIGHLY recommended for those students who will continue their language studies.

SPANISH 3, Advanced Level (+.50 course weight) 270155

Prerequisite: Spanish 2

Course Video: <https://www.youtube.com/watch?v=dj1Yo55KPoE>

Advanced Level Spanish 3 builds on the skills developed in earlier Spanish study to prepare students for AP Spanish, IB Spanish, or additional study of Spanish at the college level. Special emphasis is placed on the skills required for communication, including intensive reading, listening, speaking, and writing practice. Grammar is reviewed and online articles and song lyrics are used as supplementary texts. We will also read two additional texts throughout the year. The class will be conducted primarily in the target language (Spanish).

The title Advanced Level designates a preparatory course for AP work, not a College Board Advanced Placement course.

SPANISH 3, Advanced Level - Virtual (+.50 course weight) 270155aa

Prerequisite: Spanish 2, and [Permission form](#).

In this expanding engagement with Spanish, students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.

Spanish 4/5 Advanced Level (+.50 course weight) 270156

Prerequisite: Successful completion of three years of Spanish

Course Video: <https://vimeo.com/201128432>

Spanish 4/5 is designed for students who have completed Spanish 3 Advanced Level/IB and who desire to expand their knowledge of advanced vocabulary and culture. Students will read and listen to authentic Spanish sources and discuss their connection with global current events. Students will practically apply their Spanish as they interact with peers in the target language. This class allows students an extra year of preparation before they take AP Spanish 4.

SPANISH LANGUAGE AP (+1.00 course weight) 270157

AP Exam Fee: \$94

Prerequisite: Advanced Level or IB Spanish

Course Video: www.youtube.com/watch?v=ciCWt4FPcus

AP Spanish Language is a course intended for students who wish to develop proficiency in Spanish and to integrate their language skills, using authentic materials. The course will help students demonstrate their interpersonal, interpretive, and presentational skills in the target language. The course is designed to prepare the students for the new AP Spanish Language Examination. Students who take this class should have had at least a B average knowledge of the language and cultures of Spanish-speaking peoples. AP Spanish Language is comparable to a fifth or sixth semester college class.

SPANISH LITERATURE AP (+1.00 course weight) 270158

AP Exam Fee: \$94

Prerequisite: AP Language & Culture or IB Spanish

AP Spanish Literature is a course intended for students who wish to continue developing their proficiency in Spanish across all modes of communication (interpersonal, presentational and interpretive). The course will focus primarily on developing students' reading and analytical writing skills in the target language. We will read texts (short stories, novels, poetry and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. The course is designed to prepare students for the AP Spanish Literature Exam. Students who take this class should have had at least a B average knowledge of the language and cultures of Spanish-speaking peoples. AP Spanish Literature is comparable to a fifth or sixth semester college class.

IB SPANISH (+1.00 course weight) 270160

Prerequisite: Three years of Spanish

Fee: See IB Program Fee

Recommendation: 1) A score of 25 or higher on [self-assessment rubric](#)

Course Video: <https://m.youtube.com/watch?v=Be8k9maTBhs>

IB Spanish prepares students for the standard level (SL) IB exam. Students connect IB themes of identities, experiences, human ingenuity, social organization, and the environment to current, relevant events. The class is conducted in the target language and students are exposed to a variety of sources (articles, blogs, audio, video, music) in the target language to assist in developing their proficiency. For more information, see the IB section for the course description.

CAREER AND TECHNICAL EDUCATION

Career Tech Electives

CAREER PREPAREDNESS 400025

Grade Level: 9

This required, one-credit course prepares students with content knowledge and skills in the areas of career development and academic planning, computer skill application, and financial literacy. This course meets the 20 hour online experience requirement. *This course does not count as one of the 3 courses in World Languages, CTE, or Fine Arts that are required.*

****For students interested in pursuing a Hoover City Schools Academy, the following Career Preparedness courses are available at Hoover High School (more detailed information about each course/requirements can be found in the Academy section):**

1. Career Preparedness--Business and Entrepreneurship
2. Career Preparedness--Culinary Arts and Hospitality
3. Career Preparedness--Cyber Innovation
4. Career Preparedness--Engineering
5. Career Preparedness--Family and Consumer Science
6. Career Preparedness--Fine Arts
7. Career Preparedness--Fire and Emergency Services
8. Career Preparedness--Health Science
9. Career Preparedness--Law Academy
10. Career Preparedness--Skilled Trades

Note: A student may take ANY career preparedness course and join an academy at year two. However, joining an Academy during year one may allow the student to move more easily and quickly through the courses that follow the Year 1 course. See specifics guidelines under each academy course descriptions.

ACCOUNTING 1

470012

Grade Level: 10-12

Prerequisite: Career Preparedness

Course Video: <http://youtu.be/CkFTDsooQDw>

A one-credit course designed to help students understand the basic principles of the accounting cycle. Emphasis is placed on basic accounting, analyzing and recording business transactions, preparing and interpreting financial statements, and performing banking and payroll activities.

ACCOUNTING 2

470013

Grade Level: 11-12

Prerequisite: Accounting 1

Course Video: <http://youtu.be/CkFTDsooQDw>

A one-credit course designed to provide students with an increased emphasis on accounting principles and techniques for solving business problems and making financial decisions. The prerequisite for this course is Accounting I.

CREATIVE MEDIA DESIGN 1 410016

Grade Level: 10-12

Prerequisite: Career Preparedness

Course Video: <https://www.youtube.com/watch?v=LcLBws0FME0>

This course is a one-credit course designed to provide students with hands-on skills involving graphic design, digital photography, Web design, and digital video production. Students will use various hardware peripherals and software (Adobe Design Premium Creative Suite which includes InDesign, Photoshop, Illustrator, Dreamweaver, and Flash) for creating documents and websites.

ENTREPRENEURSHIP 400017

Grade Level: 11-12

Prerequisite: Career Preparedness

Course Video: <http://youtu.be/CkFTDsooQDw>

A one-credit course designed to provide students with the skills needed to effectively organize, develop, create, and manage a business. This course includes business management and entrepreneurship, communication and interpersonal skills, economics, and professional development foundations.

INTERNET MARKETING 550012

Grade Level: 10-12

Prerequisite: Career Preparedness or first-year academy course

Course Video: <https://www.youtube.com/watch?v=rhMEoJEvWIU>

Do you love social media and digital communications? Did you know that social media management has become a sought-after skill in all industries? As of January 2018, there were thousands of job openings requiring social media management skills. Internet Marketing is a one-credit course that focuses on these skills – the tools, strategies, and processes companies use to communicate digitally with customers. It also focuses on the skills needed to personalize one’s own digital brand – which are valued by colleges and employers. By the end of the course, you will have demonstrated an understanding of how social media and digital communication play a role in a company’s bottom line, and have your own personal digital brand that will impress colleges, recruiters, and employers.

PERSONAL FINANCE 400021

Grade Level: 10-12

Prerequisite: Career Preparedness

Course Video: <http://youtu.be/CkFTDsooQDw>

This course focuses on the students’ roles as citizens, family members, consumers, and active participants in the business world. This year-long course begins with the basics of financial literacy and the function of finance in society. Students study income and wealth, including budgeting, personal banking, credit and borrowing, and planning for retirement. Students will discover new ways to maximize earning potential, develop strategies for managing resources, explore skills for the wise use of credit, and gain insight into different ways of investing money. Finally, students explore various in-demand careers of today.

Reasons to take this course—

- Fewer than 1 in four students feel that they know enough about personal finances.
- A Federal Reserve study found that in states where financial literacy training is mandated, students accumulate more wealth than other young adults.
- Among personal concerns, financial pressure tops the list as a major concern for one third of college students.
- 13.8 million College students arriving on campus this year have \$250 billion in spending power. That includes \$56 billion in discretionary spending power to put toward such items as food, clothing, entertainment and technology.

SPORTS AND ENTERTAINMENT MARKETING 550013

Grade Level: 10-12

Prerequisite: Career Preparedness or first-year academy course

Course Video: <http://youtu.be/CkFTDsooQDw>

Sports and Entertainment Marketing is a one-credit specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. Sports Marketing addresses such diverse products as the sporting event itself, its athletes, sports facilities or locations, sporting goods, personal training, and sports information. Entertainment Marketing includes events such as fairs, concerts, trade shows, festivals, plays, product launches, causes, etc.

SPORTS AND ENTERTAINMENT MARKETING - Virtual 802111bc

Grade Level: 10-12

Prerequisite: Career Preparedness or first-year academy course

Requirement: [Permission Form](#) must be turned in with course selection sheet

Course Video: <http://youtu.be/CkFTDsooQDw>

The blended course of Sports and Entertainment Marketing will follow the course of study as the traditional Sports and Entertainment Marketing elective but is designed for students to work more independently. These students are can pace themselves, work from home, and enjoy control of their schedule. Students in this course are only required to come to school to test. All other communication will be done through e-mail and other forms of communication (Google Classroom, Canvas, etc). The teacher will also be available to meet and help the student when needed. A blended course is a great way to transit between high school and college in that the student can practice learning a new way which gives the him/her freedom and accountability that is normal for a college campus while maintaining the curriculum that is normal for one in high school.

Requirement: [Permission Form](#) must be turned in with course selection sheet

Work-Based Learning

WORKFORCE ESSENTIALS 400016

Grade Level: 11-12

Prerequisite: None

Course Video: http://www.youtube.com/watch?v=kVliDp_4494

A one-year course designed to provide students with academic foundations for careers; applied technology; career development and employment skills; socials and ethical responsibility, teamwork; safety and health regulations; basic finance principles and technical knowledge and skills. Students successfully completing all requirements for Workforce Essentials will earn one elective credit in CTE. Membership in a student organization is optional but recommended for all students. The goal of Workforce Essentials is to help empower students to become competitive employees and productive citizens.

WORK-BASED COOPERATIVE EDUCATION (Co-Op) 400122

Grade Level: 11-12

Prerequisite: Application and acceptance into the program

Course Video: <https://youtu.be/JQIQF2HhJUA>

Work-Based Experience Seminar is a supervised program that provides students with the opportunity to explore career development and employment. Course credit is earned by hours completed at an approved employment, internship or apprenticeship site. Students may earn 1 to 4 credits in Cooperative Education over the course of the year based on hours completed at an approved site. Students may participate in DECA as a co-curricular component of the course. The goal of these programs is to lead to further education and employment. Cooperative education will help empower students to become competitive employees and productive citizens.

GENERAL ELECTIVES

ACT TEST PREPARATION 802209am

Grade Levels: 10-11

Semester Course

The ACT Prep course is designed to prepare students for all four areas of the ACT in addition to teaching/reviewing general study strategies necessary for academic success. The curriculum will include online resources such as Method Test Prep as well as research-based materials that emphasize learning concepts. Students will develop test-taking strategies through drills and several full-length practice tests. A composition unit will concentrate on strategies for writing the ACT essay as well as college/scholarship essays. Students are required to purchase a consumable study guide for this course. Approximate cost is \$30.

ACT TEST PREPARATION - VIRTUAL 802209cr

Grade Levels: 10-12

Semester Course

Requirement: [Permission Form](#) must be turned in with course selection sheet

The virtual version of ACT Test Preparation will cover all four sections of the ACT plus the revised essay section. The curriculum will combine teacher made lessons and drills, ACT made practice tests, and various online tutorials. Students will first complete a brief study for all parts of the ACT. After that, each student will have the opportunity to decide what area needs the most improvement and complete a further study of it. Students in a virtual course are not required to come to class each day, so they complete the course material on a weekly basis away from campus. Virtual courses offer great freedom in scheduling while maintaining traditional standards and accountability. *Requirement: [Permission Form](#) must be turned in with course selection sheet*

CREATIVE WRITING

Grade Level: 10-12

Creative writing is the study of writing and the transmission of original thought through that writing. The ability to get the reader to hear what the writer seeks to say is the core skill taught in this course. In this introductory class, students will explore the various methods of communication through reading, analyzing, and creating examples of poetry, short stories, essays, plays, children's literature, and other forms. Students will be required to write on a daily basis, to regularly share written work with their peers, and to complete long term writing assignments. **This year-long course is divided into two semester-long components:**

CREATIVE WRITING IA (First Semester) 200033

This class will cover the short story and poetry sections of Introduction to Creative Writing.

CREATIVE WRITING IB (Second Semester) 200033aa

This class will cover the children's literature, drama, and essay portions of Introduction to Creative Writing.

CREATIVE WRITING IA, Virtual (First Semester) 200033ac

Requirement: [Permission Form](#) must be turned in with course selection sheet

CREATIVE WRITING IB, Virtual (Second Semester) 200033ad

Requirement: [Permission Form](#) must be turned in with course selection sheet

DEBATE TEAM (ACADEMIC COMPETITION TEAM) (+.50 grade weight) 802200aa

Grade Levels: 10 - 12

Prerequisite: Teacher Approval

Course Video: <https://www.youtube.com/watch?v=y0AXGlxQIZw>

This course will provide students with instruction in competitive speech and debate. Students will be able to participate in individual speech events as well as debate events. All students are expected to participate in after-school practice as well as the daily course. Students in the course are expected to participate in 4 tournaments during the school year. There will be in-state and out-of-state tournament opportunities for participation. Students will build skills in writing, research, and critical thinking. **Open to Junior Varsity and Varsity members of the Hoover High School Debate Team**

DRIVERS EDUCATION 290001

Grade Levels: 10 – 12

Course Fee: \$30

Semester Course

Driver's Education students receive 30 hours of classroom instruction, four hours of simulation experience and five hours of actual driving. (Must have a valid Alabama Learner's Permit to receive the 5 hours of driving instruction)

FOUNDATIONS OF MATH 600370

Grade Level: 9-12

Prerequisite: approval of case manager

This course is designed to develop and solidify basic arithmetic and algebra skills that will be required in future math courses. The instructional strategies used in this course will include: guided practice activities, small and large group discussion, technology, independent practice, and direct instruction.

FOUNDATIONS OF READING & WRITING 600202

Grade Level: 9-12

Prerequisite: approval of case manager

Course Video: <http://www.youtube.com/watch?v=tAs16rFKVBo>

Students will learn techniques that, when applied, can help them become independent readers. The teacher will instruct the students in reading skill techniques, writing skill techniques, lead class activities and discussions that reinforce topics of study, model skills taught, and encourage students to apply techniques to their personal lives for success both in school and in life. The instructional strategies used in this course will include: guided practice activities, small and large group discussion, technology, independent practice, and direct instruction.

JUNIOR CLASS OFFICERS (JCO) 802110aa

Grade Level: 11th grade

*Prerequisite: Prerequisite: Signature of sponsor is needed after an election and interview process is complete. All members must run for an office. If you don't win your election, you may sign up for an interview. **There will be a mandatory interest meeting in B217 on Feb. 25th. All questions will be answered during that meeting. Election packets only available at meeting for those who attend.***

JCO 2018-2019 in action: <https://youtu.be/9G4UPOhovBw>

This course allows 11th grade students the opportunity to use and better their leadership skills. It is designed to provide planning time for JCO members to plan the 3k and prom. Members also assist SCO (Senior Class Officers) with the Senior Tailgate, Senior Halloween Dance, and Beauty Walk. These students are to be leaders during school and outside of school at all times and adhere to the ethics code.

PEER HELPING

Grade Level: 10th, 11th, and 12th grade

Prerequisite: There is an interview and application process for Peer Helping. [Application Required](#)

Deadline for applications: Friday, February 14th

Video: <https://drive.google.com/file/d/1f98ztcXlvTvqpeqXN-od998dABkXXr-b/view?usp=sharing>

This course allows 10th, 11th, and 12th grade students the opportunity to serve the students of Hoover High School and our feeder schools. During the 1st 9 weeks of school, students are trained in communication, mediation, tutoring, and other skills that will be used throughout the year. Students will be given a Peer Helping assignment for the 2nd - 4th 9 weeks of the school year. In these assignments, Peer Helpers foster relationships with their peers and younger students while helping them academically and socially. Peer Helpers also lead awareness campaigns like Suicide Prevention Week and Be Kind Week.

PUBLIC SPEAKING

240042

Semester class

Grade Level: 10-12

This course is designed to offer high school students a number of opportunities to organize and prepare public speaking assignments and to increase students' confidence in front of an audience. Students will learn and practice speaking techniques, use technology to give presentations and better understand the role of communication in our lives and their chosen career path. Upon completion of the course, students should be able to confidently prepare and deliver well-organized speeches and effectively participate in collaborative environments. Students should also demonstrate the speaking, listening, and interpersonal skills necessary to be effective communicators in academic settings, in the workplace, and in the community.

PUBLIC SPEAKING, Virtual

240042aa

Requirement: [Permission Form](#) must be turned in with course selection sheet

Students will be preparing presentations independently and then gathering as a group to present. Like other virtual courses, the majority of the work will be completed outside of school, but students will be expected to be in attendance for major assessments. This course is designed to offer high school students a number of opportunities to organize and prepare public speaking assignments and to increase students' confidence in front of an audience. Students will learn and practice speaking techniques, use technology to give presentations and better understand the role of communication in our lives and their chosen career path. Upon completion of the course, students should be able to confidently prepare and deliver well-organized speeches and effectively participate in collaborative environments. Students should also demonstrate the speaking, listening, and interpersonal skills necessary to be effective communicators in academic settings, in the workplace, and in the community.

PSYCHOLOGY

230071

Grade Level: 10-12

Course Video: <http://youtu.be/0MYgDOIWO8E>

Psychology is a year-long course which provides students with a basic understanding of human behavior. Included in the course are units on brain function and perception, motivation, developmental psychology, personality, learning and intelligence, abnormal behavior, and methods and research.

PSYCHOLOGY, Virtual

230071ab

Requirement: [Permission Form](#) must be turned in with course selection sheet

SCHOLARS BOWL (ACADEMIC COMPETITION TEAM) (+.50 grade weight) 802200

Prerequisites: none

Fee: none

The Scholars Bowl class is an Advanced Level course that focuses on preparation for the rigorous competition that students participate in over the course of the year. Scholars Bowl players represent Hoover High School on a statewide and national stage, travelling to multiple events around the year and even into the summer. Students are expected to pick a primary "focus" area to study, to do extensive work on their own, and to attend competition events on weekends, some mandatory. Any student who wishes to play for the Varsity A squad representing Hoover High is REQUIRED to take (or audit) this course for two of their four years at HHS. **This course only meets during 7th period.**

SENIOR CLASS OFFICERS (SCO) 802110ac

Grade Level: 12th grade

Prerequisite: Signature of sponsor is needed after an election and interview process is complete. See Mrs. Darling in B215 for an application.

This course allows 12th grade students the opportunity to use and better their leadership skills. It is designed to provide planning time for SCO members to plan all Senior events including the Senior Halloween dance, Beauty walk, senior tailgates, and Graduation. These students are to be leaders during school and outside of school at all times.

SOCIOLOGY, Virtual 230081

Course video: <https://youtu.be/oICE5QUAuBs>

Requirement: [Permission Form](#) must be turned in with course selection sheet

Sociology is the study of human social relationships and institutions. Virtual Sociology at Hoover High School is a year- long course which will include units on topics such as sociological research methods, culture and social structure, the individual in society, social control and deviance, social inequality, social institutions and the changing social world. Other topics of interest include collective behavior (mobs, riots, fads, etc.), adolescent behavior, race relations, the role of institutions such as education, religion and politics on a society, crime and punishment, globalization and urbanization. Students should expect to commit 4-5 hours per week to learning the content and completing course requirements. All work is done online, including testing.

Requirement: [Permission Form](#) must be turned in with course selection sheet

STUDENT AIDE, LIBRARY @ HHS 802206al

Grade Levels: 11 – 12

Course Video: <https://m.youtube.com/watch?v=qpF8hzMqFfY>

In this hands-on class, students will learn how to manage the library's circulation desk using Destiny software. In addition, students will maintain an assigned section of the library and assist patrons. This class is limited to 2 students per period.

STUDENT AIDE, SPECIAL EDUCATION CLASSROOM 802206an

Grade levels: 11-12

[Application](#)

In this hands-on class, students will interact with their peers in the special education classrooms, and throughout HHS. As a student-aide, students will assist with a variety of functional and academic activities. The purpose of this course is to provide positive social experiences for the HHS Life Skills Academy students. [Applications are required](#). Submit to Ms. Rehmert, G105. This class is limited to 3 students per period, per teacher.

US HISTORY IN FILM 2300320

Grade level 10-12

Fee: \$25.00

Course Video: <http://www.youtube.com/watch?v=6Rev3wf52Ag&feature=youtu.be>

US History in Film evaluates the medium of film as it portrays themes in American History. These themes include military history, social history, American individuals and regional cultures. Movies will be viewed in class and then discussed. The focus of the discussion will be historical accuracy. The class will also examine how the year each movie was made influenced how events in the movie were presented. The early history of the American film industry will also be covered.

WORLD RELIGIONS 230091

Grade Level: 10-12

Course Video: <http://youtu.be/FAsH0-RI0EU>

World Religions is a year-long course that will introduce students to the study of religion and survey six major world religions: Hinduism, Buddhism, Taoism, Judaism, Christianity, and Islam. Additionally two major religions will be selected by the instructor for an in-depth study from the following list: Buddhism, Sikhism, Hinduism, Christianity, Islam, or Judaism. Students will examine the rituals, sacred texts, beliefs and religious experience of these religions, and develop an appreciation for the world's religious diversity.

YEARBOOK 802202aa

Grade Level: 9-12

This course allows students the opportunity to participate in a leadership role in the production of our yearbook, The Caravel. Students will be taught all skills necessary. No experience is needed. All students interested in being on our staff should have exceptional work ethic! You will gain experience in areas of desktop publishing (CS5), layout-copy production, photography, and copy & caption writing. Some after school hours are required at times if needed to meet the deadline.

CAREER ACADEMIES

BUSINESS & ENTREPRENEURSHIP ACADEMY

formerly *Finance Academy* | HHSBiz.com

Business & Entrepreneurship Academy (or “Business Academy”) offers students the choice of two exciting pathways for learning business: **Finance** or **Marketing**. Each Business Academy 1 student will determine his/her pathway by the spring semester of freshman year. Visit HHSBiz.com for more information.

BUSINESS & ENTREPRENEURSHIP PATHWAYS

| | FINANCE | MARKETING |
|--------|--|---|
| YEAR 1 | Career Preparedness | Career Preparedness |
| YEAR 2 | Banking and Financial Services | Marketing Principles |
| YEAR 3 | Accounting | Internet Marketing OR Sports and Entertainment Marketing |
| YEAR 4 | Advanced Accounting OR Entrepreneurship | Entrepreneurship |

BUSINESS ACADEMY 1: CAREER PREPAREDNESS (FINANCE or MARKETING) | 802111at

Prerequisite: Submit a completed Business Academy application on hhsbiz.com. | [Course Video](#)

Get a head start on preparing for college and career! Business Academy I focuses on academic planning and career development, financial literacy, and technology. This course includes hands-on experiences and simulations in digital citizenship, managing personal finances, college and career research and prep, and using productivity software and applications. It is also the foundation course for any second-year Business Academy course (Intro to Financial Services OR Marketing Principles).

BUSINESS ACADEMY 2: BANKING AND FINANCIAL SERVICES | 470011

Grade Level: 10 | Prerequisite: Business Academy I Career Preparedness | [Course Video](#)

The class begins with an introduction to our community’s economy and an overview of business. Next, students study the origins of money and of banking, and then move into an in-depth study of the types of companies that make up today’s financial services industry. They learn about common methods by which businesses raise capital—IPOs, selling stocks and bonds, and short-term financing—and study key investment-related terms and concepts, including the time value of money. Specific topics of importance in today’s world of finance, risk management, taxes, and ethics are examined. In addition, students will study contemporary issues including the level of personal saving in the U.S.; ethics in the financial services industry; and the industry’s effect on communities and families. Finally, students get a chance to consider the types of careers that exist in financial services companies.

BUSINESS ACADEMY 2: MARKETING PRINCIPLES | 550011

Grade Level: 10 | Prerequisite: Business Academy 1 Career Preparedness

Marketing is a fascinating area of business, and is studied in depth in Marketing Principles. In this one-credit course, students develop a foundational knowledge of business concepts and marketing functions, including marketing information management, pricing, product and service management, entrepreneurship, and promotion and selling. Students examine the need for sales and marketing strategies. Students will explore economic concepts, international trade, and the free enterprise system in a global economy. Students practice customer relationships skills, ethics, technology applications, and communicating in the workplace.

BUSINESS ACADEMY 3: ACCOUNTING 1 | 4700121

Grade Level: 11 | Prerequisite: Business Academy 2: Banking & Financial Serv | [Course Video](#)

Did you know that accounting is consistently a highly sought-after profession, and that accounting graduates tend to make more than their peers upon graduation? That's because accounting is the "language of business." Companies need accountants to analyze their financials so they can make smart decisions (as an added bonus, accounting also helps individuals make smart decisions with their personal finances). Former students who took accounting at Hoover High School have expressed how their high school accounting experience made their college coursework much more understandable. Why not take a class that gives you a jumpstart AND a solid foundation? Business Academy 3 Accounting 1 students will also **prepare for their 120 hours required internship**. Lessons in **soft skills, interviewing, preparing a resume, dressing for success and creating an online portfolio** will also be integrated in this class. Business Academy 3 Accounting students will also prepare to take the **Microsoft Office Specialist** exam for Excel or Excel Expert.

BUSINESS ACADEMY 3: INTERNET MARKETING | 550012

Grade Level: 11 | Prerequisite: Business Academy 2: Marketing Principles | [Course Video](#)

Do you love social media and digital communications? Did you know that social media management has become a sought-after skill in all industries? As of January 2018, there were thousands of job openings requiring social media management skills. Internet Marketing is a one-credit course that focuses on these skills – the tools, strategies, and processes companies use to digitally communicate with customers. It also focuses on the skills needed to personalize one's own digital brand – which are valued by colleges and employers. By the end of the course, you will have demonstrated an understanding of how social media and digital communication play a role in a company's bottom line, and have your own personal digital brand that will impress colleges, recruiters, and employers.

BUSINESS ACADEMY 3: SPORTS AND ENTERTAINMENT MARKETING | 550013

Grade Level: 11 | Prerequisite: Business Academy 2: Marketing Principles

Sports and Entertainment Marketing is a one-credit specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. Sports Marketing addresses such diverse products as the sporting event itself, its athletes, sports facilities or locations, sporting goods, personal training, and sports information. Entertainment Marketing includes events such as fairs, concerts, trade shows, festivals, plays, product launches, causes, etc.

BUSINESS ACADEMY ELECTIVE: MANAGEMENT PRINCIPLES

480011

Grade Level: 11-12

Prerequisite(s): Business Academy 1 and 2 (Finance or Marketing Pathway)

Fee: Business Academy Fee

Did you know that no matter the career you choose -- law, science, athletics, education, entrepreneurship, the arts, healthcare, etc. -- having an understanding of business gives you an incredible advantage? Once you have learned how business functions and how it affects our global society, you are equipped with a knowledge base that can help you make informed decisions in your career and as a consumer.

Management Principles is a one-credit course designed to provide an understanding of the organizational functions of business, including quality concepts, project management, and problem-solving. Topics include organizational structure, human resource management, finance, marketing, and operations management.

IB BUSINESS & MANAGEMENT, SL

230059

Grade Level: 11-12

Prerequisite(s): *Must be enrolled in the IB Program.*

Fee: *IB Program Fee*

Recommendation: *1) A score of 25 or higher on [self-assessment rubric](#)*

Did you know that no matter the career you choose -- law, science, athletics, education, entrepreneurship, the arts, healthcare, etc. -- having an understanding of business gives you an incredible advantage? Once you have learned how business functions and how it affects our global society, you are equipped with a knowledge base that can help you make informed decisions in your career and as a consumer.

Management Principles is a one-credit course designed to provide an understanding of the organizational functions of business, including quality concepts, project management, and problem-solving. Topics include organizational structure, human resource management, finance, marketing, and operations management.

(NOTE: The content and delivery for this course are identical to those of *Business Academy Elective: Management Principles*. The courses will be seated concurrently, but IB students will have additional reading and assessments).

BUSINESS ACADEMY 4: ADVANCED ACCOUNTING/ACCOUNTING 2 | 470013

Grade Level: 11-12 | **Prerequisite:** *Business Academy 3: Accounting 1* | [Course Video](#)

Advanced Accounting teaches students as to how accounting serves as an information system for both individuals and businesses. Students will acquire knowledge of the four business processes: business organization and strategy, operating, capital resources, and performance measurement and management. They will learn how these processes are used to provide long-term direction for a business as well as how they are used to evaluate a business's success. Students will also learn how to use the balanced scorecard approach to take a company's strategy and relate it to measurable objectives in the areas of financial, internal, customer, and learning and growth so that management has a tool to evaluate performance and plan for the future. Students will receive **hands-on accounting experience by working at the BucStop under the guidance of the school store manager** or a business teacher. Students will also prepare and take the **Intuit® QuickBooks Certified User (QBCU)** exam.

BUSINESS ACADEMY 4: ENTREPRENEURSHIP | 4000171

Grade Level: 12 | **Prerequisite:** *Business Academy 3 (either pathway)* | [Course Video](#)

This course is a natural fit for Business Academy students because entrepreneurship integrates the functional areas of business – accounting, finance, marketing, and management – and the legal and economic environment in which any new venture operates. BusinessAcademy 4 is a one-year course designed to provide students with the skills needed to effectively organize, develop, create, and manage a business with an emphasis on real-world entrepreneurs and real businesses. Students will participate in an online internet marketing project and develop a business plan for their own business idea. Business Academy 4 students will also complete an internship evaluation project and have the opportunity to travel to New York City.

ENGINEERING ACADEMY

The Engineering Academy courses are advanced general electives that do not count as a science credit and cannot be applied toward the four science credits necessary for graduation. **Students must be admitted to the Engineering Academy through an application process in order to register for any of these courses.** More information about the Engineering Academy is available at eahover.com.

ENGINEERING ACADEMY 1 – INTRODUCTION TO ENGINEERING/ENGINEERING DRAWING & SOLID MODELING (Meets Career Preparedness requirement) 560011

Grade Level: 9

*Prerequisite: Students **must apply and be admitted** into the Engineering Academy to register for this course.*

Prerequisite: Students must have successfully completed Algebra I

Course Video: [Engineering Academy Video](#)

This course is designed to introduce students to the field of engineering. The majority of the curriculum focuses on sketching and drawing techniques by hand, 2D computer-aided drawing (CAD), 3D solid modeling, the Engineering Design Process, and basic manufacturing techniques (using standard shop tools). Due to the format of the course and the number of independent and team-based projects, students will be expected to demonstrate significant academic, ethical, and social maturity. *Microsoft Office* will be taught and used extensively throughout the course for research and communication. *SolidWorks* will be used extensively for computer modeling throughout the course.

ENGINEERING ACADEMY 2 – ENGINEERING INSTRUMENTATION & ANALYSIS 560012

Grade Level: 10

*Prerequisite: Students must be admitted into the Engineering Academy **and have the signature of their current Engineering Academy teacher** (or the Academy Director) and have successfully completed Algebra I to register for this course.*

Corequisite: Chemistry (Advanced Level or General) and Geometry or Algebra II (Advanced Level or General)

Course Video: [Engineering Academy Video](#)

This course is designed to introduce students to the major fields of engineering through 6-9 week research and/or design projects focused on specific engineering disciplines. In the course of the projects, students will become familiar with standard engineering instrumentation used to acquire data and with various strategies and tools for analyzing data. The course includes a significant amount of applied algebra, so students must have successfully completed Algebra I prior to taking the course. Technical communication (oral and written) will be emphasized throughout the course. Students will also be introduced to finite element modeling and analysis using *SolidWorks*.

ENGINEERING ACADEMY 3 – ENGINEERING COMPUTATIONS 560013

Grade Level: 11

*Prerequisite: Students must be admitted into the Engineering Academy **and have the signature of their current Engineering Academy teacher** (or the Academy Director) to register for this course.*

Corequisite: AP Physics C - Mechanics or Physics and Algebra II or Pre-Calculus

Course Video: [Engineering Academy Video](#)

This course is designed to teach students basic programming logic using text-based (*MATLAB*) and graphical programming (*LabVIEW*) environments. Mathematical models of physical systems will be developed and analyzed. Students will also use *LabVIEW* to interact with instrumentation in order to acquire and process “real-world” data. Students will be prepared to sit for the *Certified LabVIEW Associate Developer* exam during the second semester of the course.

ENGINEERING ACADEMY 4 – ENGINEERING DESIGN & ENTREPRENEURSHIP 560014

Grade Level: 12

*Prerequisite: Students must be admitted into the Engineering Academy **and have the signature of their current Engineering Academy teacher** (or the Academy Director) to register for this course.*

Corequisite: AP Physics C - Mechanics or AP Physics C - Electricity & Magnetism and Pre-Calculus or Calculus

Course Video: [Engineering Academy Video](#)

This course is designed to introduce students to basic principles of project management, entrepreneurship, and business in the context of engineering design. Students will apply these principles to short-term design projects and a long-term senior design project that will incorporate content from previous math, science, and engineering courses. Students will work with outside clients and experts whenever possible. For the long-term project, students are expected to develop a functioning prototype of their design, write a summary of their work, and formally present their work to peers, mentors, and outside experts.

FAMILY AND CONSUMER SCIENCES ACADEMY

4 Pathways

| Food, Wellness, and Dietetics (can be taken in any order) | Interior Design | Early Child Development and Services | Fashion |
|---|--|--|--|
| Family and Consumer Sciences /Career Prep | Family and Consumer Sciences /Career Prep | Family and Consumer Sciences /Career Prep | Family and Consumer Sciences /Career Prep |
| Sports Nutrition | Interior Design 1 | Child Services 1 | Fashion |
| Food Innovation and Media | Interior Design 2 | Child Services 2 | Fashion Design |
| Life Connections | Life Connections | Life Connections | |
| Event Planning | | Child Development / Parenting-semester each | |
| Dietetics | | | |
| Food and Nutrition-semester | | | |

Food, Wellness, and Dietetics Pathway

FAMILY AND CONSUMER SCIENCES ACADEMY 1 with Career Prep

802111ba

Grade Level: 9

Full Year Course

Video: <http://bit.ly/HHS-FACS>

This course addresses life sciences in the areas of family and parenting, food and nutrition, clothing, housing, career development, financial literacy, and technology. ***This class satisfies the requirement for Career Preparedness***

FAMILY AND CONSUMER SCIENCES (510004)

(Does not satisfy the Career Prep Requirement)

Grade Level: 9-12

Fee: \$25 Full Year Course

Video: <http://bit.ly/HHS-FACS>

This course addresses life sciences in the areas of family and parenting, food and nutrition, clothing, housing, career development and money management.

SPORTS NUTRITION (510017)

Grade Level : 9-12

Full Year Course

Course video <http://bit.ly/HHS-FACS>

Sports Nutrition is designed for students interested in health, fitness and sports performance. We will examine the relationship between nutrition, physical performance and overall wellness, and engage in career related exploration. We will study the metabolic process and students will develop personal fitness and nutrition plans. There will be nutritional food lab experiences that focus on enhancing endurance and strength needed during athletic activities.

FOODS AND NUTRITION (510012)

Grade: 9-12

Semester Course

Video: <http://bit.ly/HHS-FACS>

As a student you will practice planning, preparing and serving nutritious and aesthetically pleasing meals. We'll also study the impact of nutrition for personal wellness as well as careers in the food industry.

FOOD INNOVATIONS AND MEDIA (510016)

Grade: 9-12

Fee:\$25 Full Year Course

Course video: <http://bit.ly/HHS-FACS>

This course is designed to introduce students to the process of developing new food products for marketing while utilizing a variety of technologies. Students will have opportunities to examine trends in food processing and food innovations; purchasing behavior of consumers; as well as opportunities to develop and analyze recipes for new food products through experimental food labs. Students will look for creative ways to apply social media and digital design techniques, and use them in photo styling, and journalism skills.

LIFE CONNECTIONS (510031)

Grade: 9-12

Full Year Course

Video: <http://bit.ly/HHS-FACS>

This course is designed to promote positive outcomes and choices in dating, marriage, family, individual development, college life, personal management skills, finance, and first homes/apartments. Also included are food labs supporting life stages issues such as low cost meals, entertaining, everyday meal preparation and personal recipe collection.

EVENT PLANNING (500015)

Grade: 9-12

Full Year Course

Course video <http://bit.ly/HHS-FACS>

This is for students interested in various career opportunities in event planning. Students will learn to organize and plan all aspects of business and social events including the food, location, and décor associated with hiring an event planner. Students will learn to help clients select themes, locations, menus and prepare budgets and timelines for events. There will be some food labs to learn to prepare various foods typical for use in parties and large crowd events.

DIETETICS (510014)

Grade: 9-12

Full Year Course

Course video <http://bit.ly/HHS-FACS>

Dietetics provides students with knowledge and skills used in nutrition and dietetics careers as well as useful information for the wellness/fitness/ nutrition enthusiast. Topics include nutrition, meal planning, food science, safety and professional behavior. There will be food lab experiences that focus on creative implementation of proper nutrition in meal preparation.

Interior Design Pathway

FAMILY AND CONSUMER SCIENCES ACADEMY with Career Prep-Course 1 (400025)

Grade Level: 9

Full Year Course

Video: <http://bit.ly/HHS-FACS>

This course addresses life sciences in the areas of family and parenting, food and nutrition, clothing, housing, career development, financial literacy, and technology. ***This class satisfies the requirement for Career Preparedness***

FAMILY AND CONSUMER SCIENCES (510004)

(Does not satisfy the Career Prep Requirement)

Grade: 9-12

Fee: \$25 Full Year Course

Video: <http://bit.ly/HHS-FACS>

This course addresses life sciences in the areas of family and parenting, food and nutrition, clothing, housing, career development and money management.

INTERIOR DESIGN 1 (510053)

Grade: 9-12

Full Year Course

Video: <http://bit.ly/HHS-FACS>

If you like color, fabric and decorating; this class is for you! You will create several Design Boards including floor plans and furniture layouts with floor and paint samples.

INTERIOR DESIGN 2 (510054)

Grade Level: 10 - 12

Full Year Course

Prerequisite: Interior Design I

Video: <http://bit.ly/HHS-FACS>

Interior Design II is a one-credit course. The prerequisite for this course is Interior Design I. The course introduces students to business practices and procedures of the interior design business. Content provides opportunities for students to explore design project development, business planning and operations, and interior design techniques by applying drawing skills and elements and principles of design, technology, and careers in the field of interior design.

LIFE CONNECTIONS (510031)

Grade: 9-12

Full Year Course

Video: <http://bit.ly/HHS-FACS>

This course is designed to promote positive outcomes and choices in dating, marriage, family, individual development, college life, personal management skills, finance, and first homes/apartments. Also included are food labs supporting life stages issues such as low cost meals, entertaining, everyday meal preparation and personal recipe collection.

Early Child Development and Services Pathway

FAMILY AND CONSUMER SCIENCES ACADEMY with Career Prep-Course 1 (400025)

Grade Level: 9

Full Year Course

Video: <http://bit.ly/HHS-FACS>

This course addresses life sciences in the areas of family and parenting, food and nutrition, clothing, housing, career development, financial literacy, and technology. *This class satisfies the requirement for Career Preparedness*

FAMILY AND CONSUMER SCIENCES (510004)

Grade: 9-12

Fee: \$25 Full Year Course

Video: <http://bit.ly/HHS-FACS>

This course addresses life sciences in the areas of family and parenting, food and nutrition, clothing, housing, career development and money management.

CHILD SERVICES 1 (510025)

Grade: 9-12

Full Year Course

Video: <http://bit.ly/HHS-FACS>

If you have an interest in becoming a social worker, child care worker, or are simply interested in learning more about the development of children, Child Services 1 is the course for you! Students will develop lesson plans for infants, toddlers, and preschoolers and present these lessons in class. Students will also research various child development theories and examine the influences of heredity and environment on children's development. We will explore other factors of child development such as nutrition, child temperament, special needs, prenatal development and the like. Some of the projects embedded in this course include infant simulation, mock daycare business plan, and lesson/meal plans for a childcare facility. Join us to explore the pathway to preparing yourself for a rewarding career in Child Services.

CHILD SERVICES 2 (510026)

Grade Level: 10-12 Full Year Course

Prerequisite : Child Services 1

Video: <http://bit.ly/HHS-FACS>

Are you interested in working with young children? If so, Child Services 2 is the course for you! Students will develop lessons, plan activities, and prepare nutritious snacks and meals geared toward young children. Through simulation, students will become entrepreneurs and develop a mock business plan for a childcare facility. Students will analyze toys, playground equipment, furniture, and more as they venture into the journey of becoming a childcare facility owner. Join us to explore the pathway to preparing yourself for a rewarding career in Child Services. Prerequisite: Child Services 1

LIFE CONNECTIONS (510031)

Grade: 9-12 Full Year Course

Video: <http://bit.ly/HHS-FACS>

This course is designed to promote positive outcomes and choices in dating, marriage, family, individual development, college life, personal management skills, finance, and first homes/apartments. Also included are food labs supporting life stages issues such as low cost meals, entertaining, everyday meal preparation and personal recipe collection.

CHILD DEVELOPMENT (510022)

Grade Level: 9-12 Semester Course

Course video <http://bit.ly/HHS-FACS>

Have you ever wondered why toddlers throw temper tantrums or what happens during pregnancy? If so, come explore the fascinating world of Child Development. Students will discover methods to properly nurture and guide infants and children. We will plan exciting activities for children to thrive as they grow and mature. We will also explore the benefits of healthy eating and plan and prepare nutritious meals and snacks that encourage a balanced diet. From pregnancy to school-age children, we will explore the many factors that influence the development of children.

PARENTING (510024)

Grade Level: 9-12 Semester Course

Course video <http://bit.ly/HHS-FACS>

From pregnancy and beyond, students will explore the exciting world of parenting children of all ages. Prepare to enter into the mindset of a mother or father as you venture into the many challenges that becoming a parent entails. Get ready to evaluate toys, childproof a home, and plan and prepare nutritious meals and snacks for young children.

Fashion Pathway

FAMILY AND CONSUMER SCIENCES ACADEMY with Career Prep Course 1 (400025)

Grade Level: 9 Full Year Course

Video: <http://bit.ly/HHS-FACS>

This course addresses life sciences in the areas of family and parenting, food and nutrition, clothing, housing, career development, financial literacy, and technology. *This class satisfies the requirement for Career Preparedness*

FAMILY AND CONSUMER SCIENCES (510004)

Grade Level: 9-12 Full Year Course

Fee: \$25

Video: <http://bit.ly/HHS-FACS>

This course addresses life sciences in the areas of family and parenting, food and nutrition, clothing, housing, career development and money management.

FASHION (510041)

Grade: 9-12 Full Year Course

Video: <http://bit.ly/HHS-FACS>

Do you enjoy planning outfits from clothing and shoes to accessories and hairstyles? If so, Fashion is the course for you! Fashion students will plan clothing designs that meet the needs of various body types by analyzing current trends and implementing the elements and principles of design. Students will also construct various sewing projects that highlight individual style and creativity. This course is for beginner sewers-No experience, no problem! Students will need to provide their own sewing supplies.

FASHION DESIGN (510044)

Grade: 10-12 Full Year Course

Video: <http://bit.ly/HHS-FACS>

If you are interested in the luxurious career of fashion, then Fashion Design is the course for you! Students will delve into the role of a fashion designer by completing style challenges and tackling innovative sewing projects that express personal style and flare. Grab a friend or two and sign up for Fashion Design to be involved in Hoover High School's version of Project Runway. This course is for students who have had some sewing experience. Students will need to provide their own sewing supplies.

FINE ARTS ACADEMY

The [Hoover High School Fine Arts Academy](#) exists to provide a pathway for young artists to develop their talents in music, theatre, dance and/or visual art. By implementing a rigorous and comprehensive curriculum, real life experiences and collaborative learning, the FAA prepares students for further study at the collegiate level or a career in the arts.

To complete the FAA at Hoover High School students will:

- Fill out the online application (link below) and be accepted via email.
- Choose a concentration (Band, Choir, Theatre, Dance or Visual Art)
- Complete 6 Fine Arts courses, not including FAA Career Prep
- At least 4 of those 6 credits must be in your chosen concentration

| Music (Band or Choir) | Theatre | Dance | Visual Art |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Fine Arts Academy/Career Prep | Fine Arts Academy/Career Prep | Fine Arts Academy/Career Prep | Fine Arts Academy/Career Prep |
| Ensemble 1 | Theatre Arts Course 1 | Dance Course 1 | Visual Arts Course 1 |
| Ensemble 2 | Theatre Arts Course 2 | Dance Course 2 | Visual Arts Course 2 |
| Ensemble 3 | Theatre Arts Course 3 | Dance Course 3 | Visual Arts Course 3 |
| Ensemble 4 | Theatre Arts Course 4 | Dance Course 4 | Visual Arts Course 4 |
| AP Music Theory | Other Arts Elective* | Other Arts Elective* | AP Art |
| Other Arts Elective* | Other Arts Elective* | Other Arts Elective* | Other Arts Elective* |

*The “Other Arts Elective” is not required to be in your concentration. Students may choose any arts elective course or their chosen concentration.

Fine Arts Academy Career Prep- 802111bo

Grade Level: 9

Full Year Course

Prerequisite: Students must apply and be admitted into the Fine Arts Academy to register for this course.

Video: [Fine Arts Academy Video](#)

The Fine Arts Academy Career Preparedness course focuses on academic planning, career development, financial literacy and technology from the Fine Arts(visual and performing) perspective. Students will investigate and explore a broad spectrum of careers in the arts. In addition, students will gain skills in leadership, collaboration, administration and planning. ***This class satisfies the requirement for Career Preparedness.***

To learn more about the requirements for Fine Arts Academy, click [HERE](#).

If you choose to join this academy, complete the application by clicking on the link: [Link to FAA application](#)

Offered courses can be found in the FINE ARTS section listed in this Course Selection Guide.

LAW ACADEMY

The Law Academy is a four-year elective program designed for students who may have an interest in the Legal Profession.

Throughout the program considerable emphasis is placed on the development of CRITICAL THINKING SKILLS that will serve the student well whether or not they choose to pursue further study and/or a career in law. Courses seek to focus student attention on the legal profession, career studies as they pertain to the practice of law, the courts system, philosophy and ethics as they apply to the practice of law, investigatory and evidentiary practices in support of law enforcement and the law, constitutional law; government; and the practice of law.

Throughout the four years of the program students will have the *OPPORTUNITY* to compete interscholastically. The Program sends teams to state and national competitions that serve to demonstrate and replicate the roles attorneys take on in our adversarial court and legal system (Mock Trial and Moot Court)

[Law Academy Video](#)

Law Academy One: *Introduction to the Legal Profession and Careers in Law* 400025

Grade Level: 9

Fee: \$15

This entry level course is designed to introduce students to the legal profession, careers in law and law enforcement, the court system, crime and punishment while also completing the Career Prep requirement.

Law Academy Two: *Philosophy, Ethics and the Legal Profession*

230032ac

Prerequisite: Law Academy One or permission of the Program Coordinator

Fee: \$15

Grade Level: 10

This course is designed to focus student attention and study on different schools of philosophy and ethics and how they apply to the practice of law. Students are encouraged to develop their own set of personal philosophical and ethical standards. . There will be considerable reading and discussion of classical philosophical works as well as real world study and application of ethical principles.

Law Academy Three: *Evidence, Investigation and the Law*

230032ad

Prerequisite: Law Academy Two or permission of the Program Coordinator

Fee: \$15

Grade Level: 11

This course is designed to explore the collection, processing and admissibility of evidence in the law enforcement and court system; the presentation of such evidence, and the investigatory processes which allow this evidence to be developed. All this frames a study of the Constitutional protections our system of laws affords citizens (such as Due Process and the Right to Representation) and the historical precedents set and framed by the Constitution.

Law Academy Four: *The Practice of Law “Before the Bar” - Mock Trial and Moot Court Competition*
230032ae

Prerequisite: Law Academy Three of the permission of the Program Coordinator

Fee: \$15

Grade Level: 12

This, the fourth (capstone) course of the Academy focuses on the day to day practice of law, further study of the U. S. Constitution and the application of the critical thinking skills developed through both in-class and competitive interscholastic experiences. Students will participate in Mock Trial and Moot Court competitions to further develop analytical, public speaking, responsive/reactive thinking, preparation, practice and performance skills. Students will learn what it takes to succeed in the profession of law.

RIVERCHASE CAREER CONNECTION CENTER (RC3)

ACADEMIES

The Riverchase Career Connection Center opened in the fall of 2019 for 10th, 11th, and 12th graders from Hoover HS and Spain Park HS to pursue expanded career opportunities. Students will attend half-day shifts, morning or afternoon, at RC3 and their base high school, HHS or SPSHS, for the other half of the day. In addition to career studies, students will complete their English and Mathematics credits during their RC3 shift. If you want to be college AND career ready, then RC3 is the place to be!

[Riverchase Career Connection Center Video](#)

A fee of \$50.00 is charged to each RC3 student. This fee pays for the student's employee badge and timeclock access, and it also helps with equipment and materials that are needed to create realistic and up-to-date workplace conditions in all career academies. Students may also be required to purchase uniforms or personal clothing items for some academies as specified below. For personal clothing items, teachers will provide recommended sources for cost and value considerations.

- **Culinary Arts and Hospitality Academy**
 - All students- Work shoes, closed toe and slip resistant, and long pants
 - 1st year- \$35 (apron and baseball cap)
 - 2nd year- \$75 (chef jacket and skull cap)
- **Cyber Innovation Academy**
 - None
- **Fire and Emergency Services Academy**
 - Physical Training Uniform- \$25 (t-shirt and gym shorts)
- **Health Science Academy**
 - Scrubs- \$45
 - Mandatory for Patient Care Tech and Internship students
 - Optional for all others
- **Skilled Trades Academy**
 - Work boots (steel toe), work gloves, long work pants, and shirts with 4 inch sleeve minimum
 - Personal Protective Equipment (hard hat, safety vest, and safety glasses) provided by Associated General Contractors of Alabama upon completion of OSHA 10 credential

Career Prep courses for the RC3 Academies will be offered at the Hoover High School main campus.

Culinary Arts and Hospitality Academy

Career Prep for Culinary Arts and Hospitality Academy

802111bi

9th Grade

No fee

Career Prep courses for the RC3 Academies will be offered at the Hoover High School main campus.

This course is for students interested in exploring career options in the restaurant, hotel, catering, or event planning professions. The course combines the required course in Career Preparedness with an academy foundation course based on an introduction to careers in the culinary arts and hospitality industries.

Hospitality and Tourism

500011

10th – 12th grades

Prerequisite: None

This course is an introduction to the basic skills needed to be employed in the restaurant and hospitality industry. Students will learn about the hospitality and tourism industry which includes restaurant food and beverage services, recreation and tourism, lodging, safety and sanitation, and customer services. Students will work with sharp knives and commercial grade kitchen equipment, so the ability to consistently follow strict safety procedures is very important.

Culinary Arts 1

500012

10th – 12th grades

Prerequisite: Hospitality and Tourism and Food Handler Certification

The Culinary Arts curriculum provides an opportunity to really understand food and why certain foods are prepared the way they are in a commercial kitchen. From the preparation of stocks and sauces to the creation of international and cuisine, students will learn a variety of cooking, baking skills and techniques. Nutritional, health and safety requirements in food handling are heavily emphasized and must be applied on a daily basis. Students will learn food preparation, management, service activities (back-of-house and front-of-house), sanitation, and safety. Students will work with sharp knives and commercial grade kitchen equipment, so the ability to consistently follow strict safety procedures is very important.

Culinary Arts 2

500013

11th – 12th grades

Prerequisite: Culinary Arts 1 and Food Handler Certification

The Culinary Arts curriculum provides an opportunity to really understand food and why certain foods are prepared the way they are in a commercial kitchen. This course is a continuation of the Culinary Arts curriculum with a focus on more advanced techniques, larger volumes, and team management. Students will work with sharp knives and commercial grade kitchen equipment, so the ability to consistently follow strict safety procedures is very important.

Baking and Pastry Arts

500014

11th – 12th grades

Prerequisite: Culinary Arts 1 and Food Handler Certification

The Culinary Arts curriculum provides an opportunity to really understand food and why certain foods are prepared the way they are in a commercial kitchen. This course is a continuation of the Culinary Arts curriculum with a focus on advanced baking and pastry techniques. Students will work with sharp knives and commercial grade kitchen equipment, so the ability to consistently follow strict safety procedures is very important.

Event Planning**500015**10th – 12th grades

Prerequisite: Hospitality and Tourism

In this course, students learn to organize all aspects of business and social events associated with hiring an event planner. Concepts covered include meeting the needs of clients, planning activities, establishing a budget, identifying themes, determining appropriate locations, meeting transportation needs, providing necessary technology and equipment, planning food and beverage service, arranging entertainment, and working through legal issues.

| |
|--|
| <i>Cyber Innovation Academy</i> |
|--|

Career Prep for Cyber Innovation Academy**802111bj***9th grade**No fee**Career Prep courses for the RC3 Academies will be offered at the Hoover High School main campus.*

This course is for students interested in exploring career options in the areas of computer programming, network administration, or cybersecurity. The course combines the required course in Career Preparedness with an academy foundation course based on an introduction to the computer science profession.

Exploring Computer Science**520043**10th – 12th grades

Prerequisite: None

This course is a great place to start for students that have never taken a computer science course or do not think of themselves as typical candidates for a career in this field. Concepts covered include human computer interaction, problem solving, web design, programming, data analysis, and robotics.

Introduction to Computer Science**520050**10th – 12th grades

Prerequisite: None

This course is an introduction to computational thinking using a combination of visual-based and text-based programming languages. This is a broad introduction course that does not require previous experience or training in computer science, but it does hit the ground running with working projects and simulated working conditions. This course is a comfortable and engaging introduction to a variety of experiences in the field of computer science.

Computer Science Principles, AP**520018**10th – 12th grades

Prerequisite: Introduction to Computer Science

This course is an advanced introduction that focuses on a combination of computational thinking practices using text-based programming languages and strategic concepts that form the basis of modern computer science. This is a more appropriate introductory course for students who have had at least some prior computer science experience and want to work at a more advanced level. Students in this version of the class will be prepared to sit for the AP exam.

Software Development with C**520015**11th – 12th grades

Prerequisite: Introduction to Computer Science or Computer Science Principles, AP

This course is designed to provide students who have some previous computer science experience an opportunity to specialize in the C programming language. This language is a general purpose programming language that is used in many different systems and applications.

Java Programming**520014**11th – 12th grades

Prerequisite: Introduction to Computer Science or Computer Science Principles, AP

This course is designed to provide students who have some previous computer science experience an opportunity to specialize in a powerful entry-level programming language. This language is particularly useful for students who plan to take Computer Science A, AP and/or pursue a college major in Computer Science. Students learn to use Java language's event-driven programming methods, while creating and manipulating objects, classes, and using object-oriented tools like the class debugger.

Computer Science A, AP**520007**11th – 12th grades

Prerequisite: Java Programming

This is a college level computer science course that focuses on the Java programming language. Prior programming experience with Java is needed to be successful in this course. Course topics include designing a program, developing necessary algorithms, writing code, documenting how code works, testing code and correcting errors.

IT Fundamentals**520005**10th – 12th grades

Prerequisite: None

This course is the best starting point for students who are interested in working on the hardware side of the computer science industry (maintenance, troubleshooting, network administration, etc.). Students will be working with real equipment and electricity, so the ability and willingness to follow strict safety procedures is very important.

IT Support and Services**410018**10th – 12th grades

Prerequisite: IT Fundamentals

This course continues study on the hardware side of the computer science industry. At the end of this training, students should be eligible to sit for the CompTIA A+ certification exam. Students will be working with real equipment and electricity, so the ability and willingness to follow strict safety procedures is very important.

Networking 1**520021**11th – 12th grades

Prerequisite: A+ certification

This course is designed to provide practical experiences for students who want to learn how to configure, diagnose, and repair computer network problems. Students will be working with real equipment and electricity, so the ability and willingness to follow strict safety procedures is very important.

Networking 2**520022**11th – 12th grades

Prerequisite: A+ certification

This course continues training for students interested in working with computer networks. At the end of this training, students should be eligible to sit for the CompTIA Network+ certification exam. Students will be working with real equipment and electricity, so the ability and willingness to follow strict safety procedures is very important.

Fire and Emergency Services Academy

Career Prep for Fire and Emergency Services Academy

802111bk

9th grade

No fee

Career Prep courses for the RC3 Academies will be offered at the Hoover High School main campus.

This course is for students interested in exploring career options as a firefighter or paramedic. The course combines the required course in Career Preparedness with an academy foundation course based on an introduction to the principles of public safety.

Principles of Public Service

530004

10th – 12th grades

Prerequisite: None

This course is designed for students who are interested in a career in the fire service. The program includes intense physical exercises and working in full turnout gear in simulated training conditions. The program is open to all students who are interested in a public safety career. This program is physically strenuous, and students are required to complete a medical physical evaluation. Students will be working with real equipment, so the ability and willingness to follow strict safety procedures is very important.

Introduction to Fire Science

530011

10th – 12th grades

Prerequisite: Principles of Public Service

This course is a continuation of training for the fire service. Students will be working with real equipment, so the ability and willingness to follow strict safety procedures is very important.

Fire Fighting

530012

11th – 12th grades

Prerequisite: Introduction to Fire Science

This course is a continuation of training for the fire service. Students will be working with real equipment, so the ability and willingness to follow strict safety procedures is very important.

Emergency Services

410024

11th – 12th grades

Prerequisite: Fire Fighting

This course is a continuation of training for the fire service. This particular course is a crossover curriculum that can include Health Science and Fire Service students combined in the same training. Students will be working with real equipment, so the ability and willingness to follow strict safety procedures is very important.

Health Sciences Academy

Career Prep for Health Science Academy

802111ar

Grade Level 9

No fee

Career Prep courses for the RC3 Academies will be offered at the Hoover High School main campus.

This course is for students interested in exploring career opportunities in the various fields of medicine. HSA1 combines the required Career Preparedness course with an introduction to general hospital safety, employability skills for the medical professional, and basic medical terminology. The topics covered in the traditional health education class are also covered in this course; therefore, HSA1 students will be given the opportunity to test and receive credit for the required health education course. Future Health Science Academy courses will be offered at RC3.

Foundations of Health Science

490007

10th – 12th grades

Prerequisite: None

How do I begin? This course should be the first class taken in the Health Science Academy sequence by all students joining the Health Science Academy at RC3. Prior completion of the Career Prep for Health Science course is helpful but not strictly required. This course covers career opportunities, safety, medical terminology, communication skills, basic anatomy, basic technical skills, legal and ethical implications, and health and wellness. This course can serve as a substitute for Health Education in meeting graduation requirements.

Human Body Structures and Functions

490043

10th – 12th grades

Prerequisite: Foundations of Health Science

Is that normal? Students will develop a proficient knowledge of various diseases and disorders related to each body system along with corresponding medical terminology. This course will help students to answer the question, “Is that normal?”

Therapeutic Services

490023

11th – 12th grades

Prerequisite: Human Body Structures and Functions

How do you take care of sick people? This course prepares students in the provision of direct patient care. Through lecture and lab activities, this course will introduce students to careers in therapeutic services including, but not limited to, nursing, medicine, physical therapy, emergency medical technician, and others. Patient care activities that will be explored include bedside care, the use of mobility aids and the assessment of vital signs.

Emergency Services

410024

11th – 12th grades

Prerequisite: Human Body Structures and Functions

How can I save lives in an emergency? This course prepares students to provide basic life support in situations where a person’s life may be in danger. These skills are useful for anyone in the medical profession, not just professional emergency responders. This particular course is a crossover curriculum that can include Health Science and Fire Service students combined in the same training.

Patient Care Technician

490027

12th grade

Prerequisite: Therapeutic Services and Emergency Services

How can I start working without a college degree? Most careers in health science require a college degree, but Patient Care Technicians (PCTs) can work in a variety of medical settings with only a high school diploma. PCTs typically work under the supervision of a registered nurse, and it is a great job for someone who needs to work while attending college. This course prepares students for the Patient Care Technician certification exam.

Introduction to Pharmacy

490022

12th grade

Prerequisite: Therapeutic Services and Emergency Services

Can I take this medicine with that medicine? This course is for students who are interested in becoming a pharmacy technician or a pharmacist. Students will trace the development of medicine, compare the role of a pharmacist and a pharmacy technician, and explore the laws and regulations pertaining to a career in pharmacy. Students will explore the different classes of drugs and their various routes of administration. Students will practice specific techniques in a simulated pharmacy setting. Students will prepare for the Pharmacy Technician Certificate. (CPh-T)

Health Science Internship

490013

12th grade

Prerequisite: Patient Care Technician or Introduction to Pharmacy

Wow! Is this what it's really like? This course provides students with the foundational knowledge and skills necessary for becoming a healthcare worker or for preparing students for postsecondary health care education programs. Health Science Internship is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory, other health care facility, or through simulations.

Optional Course Selection for Health Sciences Academy or Fire Science Academy

Emergency Medical Technology/Technician (EMS)- Qualified students must be seniors with a 3.0 GPA, attend a mandatory orientation, pass a drug screening. This program is made available through the Alabama grant for career technical education which covers the cost of tuition for participating seniors valued at \$1,800.00. (Grant funds are limited and will be offered on a first come first serve basis.) However, students are responsible for approximately \$200 to pay for their drug screening, uniform, and Jefferson State fees which must be paid prior to the beginning of class. In addition to benefiting from this scholarship students will have the opportunity to take the exam to become a certified EMT. This certification is a significant achievement, especially for students planning to major in a healthcare field, fire science, law enforcement, or work as an EMT. This course sequence can count as the fourth year of Health Science Academy or as an academic elective for non-academy students.

EMS 118 (EMS 116) Emergency Medical Technician

Fall semester

Grade Level: 12 and Qualification for [Senior Release](#)

Prerequisite: Course open to 12th grade with 3.0 GPA or higher. Students must be admitted into the EMS program prior to registration at Jefferson State Community College. Students must maintain a "C" average or higher.

Prerequisite: Admission to EMS Program

(Lec 6 hrs, Lab 9 hrs)

This course is required to apply for certification as an Emergency Medical Technician. This course provides students with insights into the theory and application of concepts related to the profession of emergency medical

services. Specific topics include: EMS preparatory, airway maintenance, patient assessment, management of trauma patients, management of medical patients, treating infants and children, and various EMS operations. This course is based on the NHTSA National Emergency Medical Services Education Standards.

EMS 119 (EMS 117) Emergency Medical Technician Clinical

Spring semester

Prerequisite: Admission to EMS Program

Grade Level: 12 and Qualification for [Senior Release](#)

Prerequisite: Course open to 12th grade with 3.0 GPA or higher. Students must be admitted into the EMS program prior to registration at Jefferson State Community College. Students must maintain a “C” average or higher.

Cln 3 hrs)

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.

Skilled Trades Academy

Career Prep for Skilled Trades Academy

802111bl

9th grade

No fee

Career Prep courses for the RC3 Academies will be offered at the Hoover High School main campus.

This course is for students interested in exploring career options in the skilled trades such as general building construction, electrical, HVAC, or welding. The course combines the required course in Career Preparedness with an academy foundation course based on safety and measurement.

Architecture, Construction, and Manufacturing

430004

10th – 12th grades

Prerequisite: None

This course is designed to teach students how to create things with their hands while introducing them to a variety of careers in the skilled trades. Students will be trained in general building construction, electrical, HVAC, and welding areas. At the end of this course, students will have completed OSHA 10 certification and will be prepared to sit for the NCCER Core credential. The curriculum will focus primarily on hands-on experiences using professional grade tools in realistic working conditions, so the ability to follow strict safety procedures is very important.

NCCER Building Construction 1

412101

10th – 12th grades

Prerequisite: Architecture, Construction, and Manufacturing

This course begins the sequence of training for students interested in carpentry and general building construction. The curriculum will focus primarily on hands-on experiences using professional grade tools in realistic working conditions, so the ability to follow strict safety procedures is very important.

NCCER Building Construction 2**412102**11th – 12th grades

Prerequisite: NCCER Building Construction 1

This course continues training for students interested in carpentry and general building construction. The curriculum will focus primarily on hands-on experiences using professional grade tools in realistic working conditions, so the ability to follow strict safety procedures is very important.

NCCER Building Construction 3**412103**11th – 12th grades

Prerequisite: NCCER Building Construction 2

This course continues training for students interested in carpentry and general building construction. The curriculum will focus primarily on hands-on experiences using professional grade tools in realistic working conditions, so the ability to follow strict safety procedures is very important.

NCCER Electrical 1**432501**10th – 12th grades

Prerequisite: Architecture, Construction, and Manufacturing

This course begins the sequence of training for students interested in the electrical technology trades. The curriculum will focus primarily on hands-on experiences using professional grade tools in realistic working conditions, so the ability to follow strict safety procedures is very important.

NCCER Electrical 2**432502**11th – 12th grades

Prerequisite: NCCER Electrical 1

This course continues training for students interested in the electrical technology trades. The curriculum will focus primarily on hands-on experiences using professional grade tools in realistic working conditions, so the ability to follow strict safety procedures is very important.

NCCER Electrical 3**432503**11th – 12th grades

Prerequisite: NCCER Electrical 2

This course continues training for students interested in the electrical technology trades. The curriculum will focus primarily on hands-on experiences using professional grade tools in realistic working conditions, so the ability to follow strict safety procedures is very important.

NCCER HVAC 1**432601**10th – 12th grades

Prerequisite: Architecture, Construction, and Manufacturing

This course begins the sequence of training for students interested in the heating, ventilation, air conditioning, and refrigeration trades. The curriculum will focus primarily on hands-on experiences using professional grade tools in realistic working conditions, so the ability to follow strict safety procedures is very important.

NCCER HVAC 2**432602**11th – 12th grades

Prerequisite: NCCER HVAC 1

This course continues training for students interested in the heating, ventilation, air conditioning, and refrigeration trades. The curriculum will focus primarily on hands-on experiences using professional grade tools in realistic working conditions, so the ability to follow strict safety procedures is very important.

NCCER HVAC 3**432603**11th – 12th grades

Prerequisite: NCCER HVAC 2

This course continues training for students interested in the heating, ventilation, air conditioning, and refrigeration trades. The curriculum will focus primarily on hands-on experiences using professional grade tools in realistic working conditions, so the ability to follow strict safety procedures is very important.

NCCER Welding 1**432901**10th – 12th grades

Prerequisite: Architecture, Construction, and Manufacturing

This course begins the sequence of training for students interested in the welding trades. The curriculum will focus primarily on hands-on experiences using professional grade tools in realistic working conditions, so the ability to follow strict safety procedures is very important.

NCCER Welding 2**432902**11th – 12th grades

Prerequisite: NCCER Welding 1

This course continues training for students interested in the welding trades. The curriculum will focus primarily on hands-on experiences using professional grade tools in realistic working conditions, so the ability to follow strict safety procedures is very important.

NCCER Welding 3**432903**11th – 12th grades

Prerequisite: NCCER Welding 2

This course continues training for students interested in the welding trades. The curriculum will focus primarily on hands-on experiences using professional grade tools in realistic working conditions, so the ability to follow strict safety procedures is very important.