

Moody High School



2024-2025 Curriculum Guide and Course Descriptions

School Mission Statement

The mission of Moody High School, in partnership with parents and other community members, is to provide all students a quality education in a safe, supportive, and disciplined environment that will guide them as they become responsible citizens in a culturally diverse society.

Principal: Chris Walters
Assistant Principal: Tyler Lemen
Counselor: Maria Vincent
Counselor: April West
School Secretary: Paige Gann

Moody High School
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OVERVIEW

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

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

Counselors are available to answer questions about any of the courses that are listed in this document. Students are invited to make an appointment with the appropriate grade level counselor if needed.

CURRICULUM

All students are required to complete four credits in each of the four core academic areas (English, math, science, and social studies) along with credits in Career Preparedness, Beginning Kinesiology (formerly titled LIFE P.E.), and health. At least three credits must be earned in the areas of Arts Education, Career Technical Education, and/or Foreign Language. The remaining credits required for graduation are electives comprised of courses chosen by the individual student.

ALABAMA HIGH SCHOOL DIPLOMA REQUIREMENTS

Students who began 9th grade during 2013-14 or after will follow the most recently published criteria for the Alabama High School Diploma. All students must successfully complete the state and local requirements for an Alabama High School Diploma in order to participate in graduation ceremonies ("march"). At this time there are no "high stakes" tests required to earn an Alabama High School Diploma. Please see Appendix 1 at the end of this guide for another list of CCRI options.

Beginning with the Class of 2026, an additional requirement for graduation will be for students to attain an Alabama College and Career Ready (CCR) Indicator. Students must earn one the following CCR indicators:

1. ACT with Writing Benchmark (11th grade year)
 - a. Achieve a benchmark score in ANY of the following ACT sections:
 - i. English – 18 or higher
 - ii. Reading – 22 or higher
 - iii. Math – 22 or higher
 - iv. Science – 23 or higher
2. ACT WorkKeys Benchmark (12th grade year)
 - a. Score a 4 or higher on all 3 subtests to earn a Silver National Career Readiness Certificate
 - i. Applied Mathematics
 - ii. Workplace Documents
 - iii. Graphic Literacy
3. Career and Technical Education (CTE) Industry Credential
 - a. Complete a CTE class and pass the credential test
4. Career and Technical Education (CTE) Completer
 - a. Complete the foundation class for the pathway
 - b. Earn 3 credits in a CTE pathway (can include the foundation class)
 - c. Earn a grade of 70 "C" or higher in all three classes
5. Dual Enrollment Credit
 - a. Complete an academic dual enrollment class with a grade of 70 or higher
6. Advanced Placement (AP) Exam Qualifying Score
 - a. Score a 3 or higher on any AP exam

- 7. Military
 - a. Committing to and enlisting for active duty in one of the various military branches

St. Clair County Schools have established optional endorsements, which students may earn along with the Alabama High School Diploma (AHSD):

The *Advanced Academic Endorsement* requires students to meet all requirements for the AHSD plus at least one math course above and beyond Algebra II with Statistics, two credits of the same foreign language, and three credits of AP and/or Dual Enrollment courses (any combination of three credits).

The *Advanced Career Technical Endorsement* requires students to meet all requirements for the AHSD plus the requirements for a Career Technical Program Completer (see below) and complete advanced courses that must include Algebra II with Statistics.

The *Career Technical Endorsement* is earned by a student who is a Career Technical Program Completer. This designation requires students to meet all requirements for the AHSD plus successfully complete three Career Technical Education courses/credit under a Career Technical Program and earn the accompanying Career Technical Education Credential or certification that meets the College and Career Readiness Standards set by the State of Alabama.

Students may choose to pursue any or no endorsement. The endorsement selection will be updated annually at the time of course selection.

At the time of publication of this guide, no alternate exit documents for students with disabilities, as defined by the *Individual with Disabilities Education Act* (Public Law 105-17), have been established or approved by the St. Clair County Board of Education. If any such exceptions are established and approved, the counselor and/or IEP case manager will notify the students and parents as soon as possible.

EXCEPTIONAL EDUCATION SERVICES

To meet the varying needs of our students, special programs are available to students identified (as defined by the *Individuals with Disabilities Education Act* or IDEA) and placed in the exceptional education program. Some of the programs available are for students identified as:

Specific Learning Disability
Emotionally Disturbed

Vision, Hearing, or Speech Impaired
Orthopedically or Other Health Impaired

Additional information is available for parents and students in need of any of these services. Placement in these programs requires special testing and recommendation by a placement committee. A parent desiring to discuss the possibility of placement should contact their child's school counselor for further information.

The decision regarding choosing a program of study leading to a high school diploma should be made by the student's IEP team during the student's 8th grade year. Program and diploma options are to be reviewed annually by the IEP team and revisions made when necessary. When there is indecision regarding which diploma option would be most appropriate for a student, the IEP team is strongly encouraged to select the highest document available and appropriate for the student.

NCAA INFORMATION FOR PROSPECTIVE COLLEGE STUDENT-ATHLETES

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



COURSE SCHEDULING PROCESS

The school master schedule for the next school year is built on the course requests of approximately 700 students. Every effort will be made to provide students with the courses they have requested. However, the availability of courses depends upon many factors including the number of students requesting a course, the number of sections of a course, and staff availability. Consequently, some students may have to select alternate elective courses because of scheduling conflicts or because of the cancellation of courses due to insufficient enrollment. To maximize their chances of getting the courses they want, students should use the following the guidelines:

- Before selecting courses for next year, check all criteria, prerequisites, and academic instructional levels.
- List alternative elective courses in the priority order they are to be substituted for course choices that cannot be scheduled.
- Write notes on the course request form or attach a letter to it to clarify course needs, priorities, or special concerns.
- Return the course request form to designated teacher by the announced deadline.

Step 1: General information and instructions regarding the course scheduling process are provided to all students during large group sessions with counselors. An evening session is held for parents to learn about the process and changes each year. During these meetings, counselors discuss the courses offered and provide students/parents with course selection forms and instructions. The Curriculum Guide and Course Descriptions lists all the courses available to students.

Step 2: Students make selections and return their Course Selection Sheets to their teacher by Thursday, March 21, 2024. **Parents approve students' choices** by signing the Course Selection Sheet. Any student not returning a signed selection sheet by Thursday, March 21 forfeits the right to choose his or her classes. **Those students not meeting the deadline for turning in their Course Selection Sheets will not receive priority status in the scheduling process.**

Step 3: Each student will meet with a counselor at a pre-designated time to check course selections and to be sure that the necessary courses are being requested. Counselors are:

Current 8th and 10th Grades – Maria Vincent

Current 9th and 11th Grades – April West

IMPORTANT NOTE: All courses will be final with the course selection sheet and no change requests may be submitted. NO COURSE CHANGES SHALL BE MADE. This includes during the summer, at registration, and after the school year has started. Because of this, careful consideration should be used in the selection of courses.

REGISTRATION PROCESS

Registration will take place during summer. Students will pick up schedules for the 2024-2025 school year at registration. At this time, students also will return the necessary registration information and purchase parking permits, yearbooks, etc. Some of these fees can be paid before registration on-line at <https://www.myschoolshares.com/>. Please remember that the student's schedule reflects the choices made by the student and approved by the parent during the course selection process in the spring. The master schedule will have been constructed and teachers will have been assigned based on these choices. ***Therefore, requests to change schedules will not be honored. Remember the master schedule cannot be adjusted at this point, and due to class numbers, changes will simply not be possible.***

DUAL ENROLLMENT COURSES

The Dual Enrollment Agreement between St. Clair County Schools and Jefferson State Community College allows high school students to enroll in college courses and receive both high school and college credit for the same course. Such arrangements allow students to meet the requirements for high school graduation while simultaneously earning college credit.

It is strongly recommended by JSCC that students have a minimum cumulative grade point average of 3.0 to take Dual Enrollment courses. Students with at least a 2.5 cumulative GPA may be considered upon the recommendation of the counselor and the principal. All students who will be in 12th grade must submit an ACT score with their Dual Enrollment application or they will be required to go to JSCC to take a placement test prior to beginning of their first class. Students

must also meet any other requirements for specific courses in order to participate in this program. (See specific course listings for requirements.)

Students should consult their prospective colleges and universities to determine if the credit is accepted by that college or university. **Students are required to pay college tuition and purchase textbooks for Dual Enrollment classes.** At the time of this writing, JSCC tuition was \$164 per credit hour or \$492 per enrolled 3-hour course. Tuition is due to JSCC for the first semester within the first two weeks of classes beginning. Tuition for the second semester is due to JSCC in early to mid-January. Textbook purchase and/or rental information will be available from JSCC.

ADVANCED PLACEMENT (AP) COURSES

AP courses are approved by the College Board and are designed to provide college level studies for high school students using college level materials and strategies. Amount and depth of material requires students to read and write extensively in and out of class. Rigor of material requires students to develop advanced reasoning and problem-solving skills. Support systems are offered to assist students. Student enrolled in AP courses are **required** to take the associated AP exam. Students who are not enrolled in an AP course but have expertise and have engaged in additional learning may elect to take an AP exam by registering through his/her counselor. Students should consult their prospective universities to determine individual course exam qualifying score.

Students must pay the AP exam fee (amount should be \$40 or less for all students due to our participation in the A+ College Ready Cohort) for each AP course in which the student is enrolled. Students who qualify for the free/reduced lunch program may be eligible for a full grant for the AP exam fee. Please remember that students are **required** to take the Advanced Placement exam for each AP course in which the student is enrolled.

COURSE DESCRIPTIONS BY DEPARTMENT

Please note: Class availability is determined by enrollment, teacher availability, and student eligibility.

***Note: Some Honors and AP classes will have summer assignments including summer reading. This will be posted on the school website and sent out through the school messenger system. Summer reading will also be sent out separately through the messenger system.**

ENGLISH

English 9



Year-long / 1 credit
Grade 9

This course leads to a mastery of basic grammatical principles, paragraph development, and an in-depth study of selected literature. Students will also have the opportunity to develop reading skills through the study of short stories, novels, poetry, and drama.

Honors English 9



Year-long / 1 credit
Grade 9

Recommended prerequisite: B average in 8th grade English

Students who take Honors English 9 are expected to take Honors/AP English in 10th, 11th and 12th grades. This course is designed for students who have above average abilities in grammar, composition, and reading. This course is more rigorous than English 9. The content of the course includes faster coverage of grammar skills and more advanced composition techniques. Students will be asked to read works in addition to the regular curriculum. Analysis, synthesis, critical thinking, and application will be stressed.

English 10



Year-long / 1 credit
Grade 10

In this course, students will review mechanics, grammar, and usage skills; enhance vocabulary skills; and practice the various modes of writing paragraphs and essays, with emphasis on the writing process. Students will continue to develop comprehension and critical reading skills through the study of selected short stories, novels, poetry, and drama.

AP Seminar (formerly Honors English 10)



Year-long / 1 credit
Grade 10

AP Exam fee may be required. Recommended prerequisite: B average in 9th grade English

English courses expose students to a variety of texts covering multiple genres, topics, and rhetorical contexts in a seminar-style setting. These courses foster students' ability to summarize and explain the salient ideas in a text by analyzing an author's perspective, rhetorical choices, and argumentative structure. Students evaluate a variety of literary, informational, and visual texts, and synthesize perspectives to develop evidence-based arguments. Students convey their findings through multiple written formats, multimedia presentations, and oral defenses. The course content is established by the College Board; students are expected to take the Advanced Placement exam administered by the College Board in May. College credit may be earned based on a student's score on this exam; score requirements for credit are determined by individual colleges/universities. Students and parents should be prepared for the rigor of the Advanced Placement curriculum; an extensive amount of outside reading and writing is required for this course. Students **must** pay the required fee for the AP exam and take the Advanced Placement exam at the completion of this course.

English 11



Year-long / 1 credit
Grade 11

This course provides the student with various aspects of communication involving grammar and standard practices in speaking and writing (paragraphs, themes, and research papers). Students are exposed to the best of the American writers, poets, and playwrights.

AP English 11 – Language & Composition



Year-long / 1 credit
Grade 11

AP Exam fee may be required. Recommended prerequisite: B average in 10th grade English

This course will train students to become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. This course will also give them the practice and helpful criticism necessary to make them flexible writers who can compose in a variety of modes and for a variety of purposes. The course content is established by the College Board; students are expected to take the Advanced Placement exam administered by the College Board in May. College credit may be earned based on a student's score on this exam; score requirements for credit are determined by individual colleges/universities. Students and parents should be prepared for the rigor of the Advanced Placement curriculum; an extensive amount of outside reading and writing is required for this course. Students **must** pay the required fee for the AP exam and take the Advanced Placement exam at the completion of this course.

English 12



Year-long / 1 credit
Grade 12

In this course, students review basic areas of English: reading, writing, and vocabulary. In addition, they are given the opportunity to progress toward the more elaborate means of oral and written communication and toward a better understanding of carefully selected plays, novels, and poetry.

Dual Enrollment English 101 & 102



Year-long / 2 credits
Grade 11 or 12

Fee: Tuition to Jeff State CC of approx. \$492 per class/per semester

Prerequisites: B average in previous English courses is recommended; cumulative GPA of 3.0 strongly suggested and minimum of 2.5 required with permission of counselor and principal; and minimum score of 18 on the English subtest of the ACT or satisfactory score on JSCC placement test. Continued enrollment in ENG 102 requires a final grade of C or higher in ENG 101.

Students registering for this course may earn high school credit for English 11 and/or English 12 and complete a total of six semester hours of college credit in English Composition I and English Composition II through a dual enrollment agreement with Jefferson State Community College. The curricula for these courses are interlaced in order to meet all of the requirements for each course component. A literature component will be added by the instructor to complete the high school requirements. **Dual Enrollment English is designed for the student with above average abilities in English.** The course content encompasses an accelerated study of grammar and usage as well as composition, vocabulary, spelling, speaking, and reading skills. *Students are required to pay the college tuition for these courses at summer registration and in January.*

English Composition I (ENG 101) provides instruction and practice in the writing of at least six extended compositions and the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. English Composition I includes instruction and practice in library usage and computer usage. *Successful completion of this course will earn the student the high school course credit for English 11.*

English Composition II (ENG 102) provides instruction and practice in the writing of six formal 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 and computer research. *Successful completion of this course will earn the student the high school course credit for English 12.*

Since the ALSDE has implemented the one-to-one course credit rule for Dual Enrollment courses, we have developed the following scheduling options for Moody High School:

Option 1 (Recommended for most): 11th Grade 12th Grade
English 11 (AP or general) ENG 101* & ENG 102
*ENG 101 would be for elective credit and will not replace English 11 credit/grade earned previously.

Option 2 (Not recommended for most): ENG 101 & ENG 102 elective course of student's choice

AP English 12 –Literature & Composition



Year-long / 1 credit
Grade 12

AP Exam fee may be required. Recommended prerequisite: B average in 11th grade English
This course is designed to provide the student who has the desire and ability the opportunity to complete college level work while still in high school. Emphasis is placed on extensive and intensive reading and writing. The course content is established by the College Board; students are expected to take the Advanced Placement exam administered by the College Board in May. College credit may be earned based on a student's score on this exam; score requirements for credit are determined by individual colleges/universities. Students and parents should be prepared for the rigor of the Advanced Placement curriculum; an extensive amount of outside reading and writing is required for this course. Students **must** pay the required fee for the AP exam and take the Advanced Placement exam at the completion of this course.

MATHEMATICS

The Alabama State Department of Education has adopted a new Mathematics Course of Study which was fully implemented beginning in the 2021-2022 school year. For a flow chart of the math course progressions beginning in the 7th grade, please see Appendix 2 at the end of this curriculum guide.

Geometry with Data Analysis



Year-long / 1 credit
Grade 9

In Geometry with Data Analysis, students incorporate knowledge and skills in Geometry and Measurement, Algebra and Functions, and Data Analysis, Statistics, and Probability, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study. Geometry with Data Analysis is a graduation requirement for all students.

Honors Geometry with Data Analysis



Year-long / 1 credit
Grade 9

Honors Geometry with Data Analysis is the study of two- and three-dimensional figures, coordinate geometry, transformations, and properties and theorems related to lines, circles, and triangles. Spatial sense and inductive reasoning and deductive reasoning are developed. Honors Geometry with Data Analysis enhances the development of visual and spatial sense and reasoning skills. Technology is also incorporated into instruction as a means of improving reasoning abilities. In this course, students incorporate knowledge and skills in Geometry and Measurement, Algebra and Functions, and Data Analysis, Statistics, and Probability, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study. Geometry with Data Analysis is a graduation requirement for all students. Honors Geometry with Data Analysis is for students who excel in math.

Algebra I with Probability



Year-long / 1 credit
Grade 10

Prerequisites: Geometry with Data Analysis
Algebra I with Probability builds upon algebraic concepts studied in Grade 7 and Grade 8 Mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. Algebra I with Probability is the second of three courses required for all students. Students may enroll in this course after completing Geometry with Data Analysis in Grade 9 or by

completing both Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics. Students who wish to accelerate their mathematics pathways in high school may also elect to enroll in Algebra I with Probability concurrently with Geometry with Data Analysis in the 9th grade.

Algebra II with Statistics



Year-long / 1 credit
Grades 10-11

Prerequisites: Geometry with Data Analysis and Algebra I with Probability

Algebra II with Statistics builds on the students' experiences in previous mathematics in Geometry with Data Analysis and Algebra I with Probability. It is the third of three required courses, and it is to be taken following the successful completion of Geometry with Data Analysis and either Algebra I with Probability or the combination of the Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics course sequence. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student's interests and plans beyond high school. Algebra II with Statistics is the prerequisite for Applications of Finite Mathematics, Mathematical Modeling, Precalculus, and all other approved ALSDE mathematics classes designed for completion of students' fourth mathematics credit.

Honors Algebra II with Statistics



Year-long / 1 credit
Grades 10-11

Prerequisites: Geometry with Data Analysis and Algebra I with Probability

Honors Algebra II with Statistics builds on the students' experiences in previous mathematics in Geometry with Data Analysis and Algebra I with Probability. It is the third of three required courses, and it is to be taken following the successful completion of Geometry with Data Analysis and either Algebra I with Probability or the combination of the Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics course sequence. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student's interests and plans beyond high school. Algebra II with Statistics courses are the prerequisite for Applications of Finite Mathematics, Mathematical Modeling, Precalculus, and all other approved ALSDE mathematics classes designed for completion of students' fourth mathematics credit.

Algebra with Finance



Year-long / 1 credit
Grades 12

Prerequisite: Algebra II with Statistics

Algebra with Finance is a college and career preparatory course that integrates algebra, precalculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics that are taught at a higher level. Students are encouraged to use a variety of problem-solving skills and strategies in real-world contexts, and to question outcomes using mathematical analysis and data to support their findings. The course offers students multiple opportunities to use, construct, question, model, and interpret financial situations through symbolic algebraic representations, graphical representations, geometric representations, and verbal representations. Math concepts and skills are applied through study and problem-solving activities in workforce situations in the following areas: banking, investing, employment and income taxes, automobile ownership and operation, mathematical operations, consumer credit, independent living, and retirement planning and budgeting. This course may be used as the fourth math credit or an elective.

Precalculus



Year-long / 1 credit
Grade 11-12

Prerequisite: Algebra II with Statistics

Precalculus is the suggested course for MHS students who are not considering a scientific, mathematic, engineering, or medical field of study in college. It is suggested that students who are considering STEM fields take AP Precalculus. Following successful completion of Algebra II with Trigonometry, this course includes the expanded study of polynomial functions, conic sections, logarithmic and exponential equations, and real-life applications of these topics.

AP Precalculus



Year-long / 1 credit
Grade 11-12

AP Exam fee may be required. Prerequisite: Algebra II with Statistics.

Following College Board's course framework designed to parallel college-level precalculus courses, AP Precalculus provides students with an understanding of the concepts of college algebra, trigonometry, and additional topics that prepare students for further college-level mathematics courses. This course explores polynomial, rational, exponential, logarithmic, trigonometric, polar, parametric, and linear transformation functions and their applications. Throughout the course, the mathematical practices of procedural and symbolic fluency, multiple representations, and communication and reasoning are developed. Students experience the concepts and skills related to each function type through the lenses of modeling and covariation, and engage each function type through their analytical, verbal, numerical, and graphical representations. The course content is established by the College Board; students are expected to take the Advanced Placement exam administered by the College Board in May. College credit may be earned based on a student's score on this exam; score requirements for credit are determined by individual colleges/universities. Students and parents should be prepared for the rigor of the Advanced Placement curriculum; an extensive amount of outside work is required for this course. Students **must** pay the required exam fee and take the Advanced Placement exam at the completion of this course.

AP Calculus (AB Level)



Year-long / 1 credit
Grade 12

AP Exam fee may be required. Prerequisite: Precalculus or with teacher recommendation.

This course includes the intense study of differentiation and integration of algebraic, trigonometric, exponential, and logarithmic functions with applications. The course content is established by the College Board; students are expected to take the Advanced Placement exam administered by the College Board in May. College credit may be earned based on a student's score on this exam; score requirements for credit are determined by individual colleges/universities. Students and parents should be prepared for the rigor of the Advanced Placement curriculum; an extensive amount of outside work is required for this course. Students **must** pay the required exam fee and take the Advanced Placement exam at the completion of this course.

SCIENCE

Biology



Year-long / 1 credit
Grade 9

Lab fee required.

This is a year-long course in which the student will develop scientific process skills and laboratory techniques. The biological areas covered are biochemistry, living systems, cellular biology, genetics, organic variation and taxonomy.

Honors Biology



Year-long / 1 credit
Grade 9

Lab fee required.

This is a year-long course in which the student will develop scientific process skills and laboratory techniques. This class will go deeper into the content and will require students to write more, investigate more, and think more. Students taking Pre-AP Biology are expected to take an AP science class as a junior and a senior. The biological areas covered are biochemistry, living systems, cellular biology, genetics, organic variation and taxonomy.

Physical Science



Year-long / 1 credit
Grade 10-11

This is an entry level course composed of chemistry and physics. It includes a study of the classification, structure, patterns, and changes in matter and of the relationship between matter and energy. Student laboratory activities are used throughout the course. This course may be used to satisfy the physical science requirement for graduation.

Chemistry



Year-long / 1 credit
Grade 10-12

*Prerequisites: Geometry with Data Analysis and Biology
Lab fee required.*

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

Honors Chemistry



Year-long / 1 credit
Grade 10-12

*Prerequisites: Geometry with Data Analysis and Biology
Lab fee required.*

This is a laboratory course designed to help students see how chemical principles and concepts are developed from experimental observations and data. The student should be able to master certain skills, such as writing formulas, solving mole problems, and predicting reactions. Students taking Honors Chemistry should expect to apply the principles and concepts learned at a higher level than those taking Chemistry. This course may be used to satisfy the physical science requirement for graduation.

Earth and Space Science



Year-long / 1 credit
Grade 11-12

*Prerequisites: Biology and either Physical Science or Chemistry/Honors Chemistry
Lab fee required.*

This course will emphasize the laboratory application and field study of biological, chemical, and physical principles to the study of selected topics in astronomy, meteorology, geology, oceanography, and associated sciences. Topics include astronomy, meteorology, geology, and oceanography.

Anatomy and Physiology



Year-long / 1 credit
Grade 11-12

*Prerequisites: Biology and either Physical Science or Chemistry/Honors Chemistry
Lab fee required.*

This course is a general overview of the structure and functions of the various organ systems of the human body. Laboratory dissections are included in this course. This course is recommended for those students who plan to pursue the health sciences in college, especially for those who are interested in the medical field.
Note: Edgenuity does not offer Anatomy & Physiology. If a student earns a grade of F for the first semester, the student will be removed from this class and enrolled in an Edgenuity science course for the opportunity to earn a full required science credit online during the second semester.

Environmental Science



Year-long / 1 credit
Grades 11-12

*Prerequisites: Biology and Physical Science or Chemistry/Honors Chemistry
Lab fee required.*

This course is a study of natural resources, natural hazards, and human impacts on Earth systems and global climate change. Students will learn to design engineering solutions to solve various problems affecting Earth and its environment.

Honors Physics



Year-long / 1 credit
Grades 11-12

Prerequisites: Biology and Physical Science or Chemistry/Honors Chemistry

Lab fee required.

Detailed exploration of properties of physical matter, physical quantities, motion and stability, energy, and waves and their applications for information transfer through authentic investigations and engineering design processes.

AP Biology



Year-long / 1 credit
Grade 10-12

AP Exam fee may be required. Prerequisite: Honors Biology or teacher approval

Lab fee required.

This is a college level course recommended for students interested in medicine, health-related careers, and science majors. The course content is established by the College Board; students are expected to take the Advanced Placement exam administered by the College Board in May. College credit may be earned based on a student's score on this exam; score requirements for credit are determined by individual colleges/universities. Students and parents should be prepared for the rigor of the Advanced Placement curriculum; an extensive amount of outside reading and writing is required for this course. Emphasis is placed on knowledge of the facts, principles, and processes of biology; understanding the means by which biological information is collected, how it is interpreted, how one formulates hypotheses from available data and makes further predictions; and an understanding that science is a human endeavor with social consequences. Students **must** pay the required exam fee and take the Advanced Placement exam at the completion of this course. Summer assignment may be required.

AP Chemistry



Year-long / 1 credit
Grade 11-12

AP Exam fee may be required. Prerequisites: Honors Chemistry and Algebra II w/ Statistics

Lab fee required.

AP Chemistry is designed to offer a rigorous and challenging course that covers the chemistry and chemical principles typical of college and university general chemistry courses. Students learn the usefulness and relevance of chemistry in both their intended areas of study and in the everyday world. Students will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. AP Chemistry is also designed to contribute to the development of a student's abilities to think clearly and express his or her ideas, orally and in writing, with clarity and logic. Students will be required to spend 4-5 hours a week outside of class in individual study. Students **must** pay the required exam fee and take the Advanced Placement exam at the completion of this course. Summer assignment may be required.

SOCIAL STUDIES

World History



Year-long / 1 credit
Grade 9

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

AP World History



Year-long / 1 credit
Grade 9-12

AP Exam fee may be required.

AP World History is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. The course content is established by the College Board; students are expected to take the Advanced Placement exam administered by the College Board in May. College credit may be earned based on a student's score on this exam; score requirements for credit are determined by individual colleges/universities. Students and parents should be prepared for the rigor of the Advanced Placement curriculum; an extensive amount of outside work is required for this course. Students **must** pay the required exam fee and take the Advanced Placement exam at the completion of this course.

U.S. History I



Year-long / 1 credit
Grade 10

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

U.S. History II



Year-long / 1 credit
Grade 11

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

Dual Enrollment US History 201/202



Year-long / 2 credits
Grade 10 or 11

Fee: Tuition to Jeff State CC of approx. \$492 per class/per semester

Prerequisites: B average in previous social studies courses is recommended; cumulative GPA of 3.0 strongly suggested and minimum of 2.5 required with permission of counselor and principal. Continued enrollment in HIS202 requires a final grade of C or higher in HIS201.

Students registering for this course may earn high school credit for US History I and/or US History II and complete a total of six semester hours of college credit in those subjects through a dual enrollment agreement with Jefferson State Community College. The curricula for these courses are interlaced in order to meet all of the requirements for each course component. **Dual Enrollment US History is designed for the student with above average abilities and study skills.** *Students are required to pay the college tuition for these courses at summer registration and in January.*

United States History I (HIS 201) surveys United States history during colonial, Revolutionary, early national, and antebellum periods. It concludes with the Civil War and Reconstruction. *Successful completion of this course will earn the student the high school course credit for US History I.*

United States History II (HIS202) is a continuation of HIS 201. It surveys United States history from the Reconstruction era to the present. *Successful completion of this course will earn the student the high school course credit for US History II.*

Since the ALSDE has implemented the one-to-one course credit rule for Dual Enrollment courses, we have developed the following scheduling options for Moody High School:

Option 1 (Recommended for most): 10th Grade US History I 11th Grade HIS 201* & HIS 202
*HIS 201 would be for elective credit and will not replace US History I credit/grade earned previously.

Option 2 (Not recommended for most):
choice

HIS 201 & HIS 202

elective course of student's
choice

U.S. Government and Economics



1 semester each / .5 credit each
Grade 12

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

United States Government incorporates a broad theoretical and practical definition of United States government. Emphasis is given to the study of the relationship between the people and the government in the United States. In addition, a comparison of the government of the United States with other forms of government is included.

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

AP Comparative Government / Economics (non-AP)



*Pending

1 semester each / .5 credit each
Grade 12

AP Exam fee may be required.

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

AP Comparative Government is a college-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for comparative government and politics. The course content is established by the College Board; students are expected to take the Advanced Placement exam administered by the College Board in May. College credit may be earned based on a student's score on this exam; score requirements for credit are determined by individual colleges/universities. Students and parents should be prepared for the rigor of the Advanced Placement curriculum; an extensive amount of outside work is required for this course. Students **must** pay the required exam fee and take the Advanced Placement exam at the completion of this course.

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

ELECTIVES

HEALTH AND PHYSICAL EDUCATION COURSES

Note: Only one P.E. course of any type per year may be counted towards AHSA (athletic) eligibility.

P.E./Beginning Kinesiology

Year-long / 1 credit
Grade 9-12

Locker rental fee may be required.

Stand-alone course which encompasses the basic concepts of athletics and fitness, and introduces students to the basic physiological, psychological, sociological, and mechanical principles of human movement. This class will cover the different career paths associated with a degree in kinesiology, the importance of physical activity in daily life and the knowledge base of kinesiology. More specifically, this introductory class is for students who wish to pursue a career as a physical education teacher, athletic trainer, physical therapist, personal trainer, movement related research specialist or other careers related to health, fitness and sports.

P.E./Advanced KinesiologyYear-long / 1 credit
Grade 10-12

Locker rental fee may be required. Prerequisite: Beginning Kinesiology

Note: This course does not receive weighted credit in the student's GPA. The "advanced" label indicates that it is a successive course following Beginning Kinesiology.

Elective course that covers the knowledge base of kinesiology, the importance of physical activity in daily life, and the different career paths associated with a degree in kinesiology. This class is for students who wish to pursue a career as a physical education teacher, athletic, trainer, physical therapist, personal trainer, movement-related research specialist, or other careers related to health, fitness, and sports.

HealthSemester / .5 credit
Grades 10-12

Note: This course is one semester in length and is worth one-half credit. Health is a requirement for graduation and is typically taken in the 10th grade.

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

Driver and Traffic Safety EducationSemester / .5 credit
Grades 10-12

Fee: \$20.00

Fee required. Note: This course is one semester in length and is worth one-half credit. It is typically taken in the 10th grade.

Driver and Traffic Safety Education provides the student with basic skills that will make him/her a safer driver. Classroom work and actual on-the-road driving comprise the two-phase program of this course. Students are encouraged to have a driver's permit or license in order to complete the on-the-road phase of this course. Boating safety instruction is also a requirement of this course. Students will have an opportunity to earn and receive a boating license upon completion of the course. *Students with a 16th birthday before February 1 of the school year will be assigned to the first semester class. Students with a 16th birthday on or after February 1 of the school year will be assigned to the second semester class.*

Strength & ConditioningYear-long / 1 credit
Grades 10-12

Prerequisite: P.E./Beginning Kinesiology or approved alternate course (ex., Athletics)

Students registering for this class should be on a MHS athletic/sports team and will be expected to arrive early to school for the appropriate amount of time for the workout.

This class is designed for students who would like to learn the proper techniques and exercise routines to attain their physical goals. This class will use different conditioning techniques to help achieve a well-balanced physical workout. These conditioning techniques may include aerobics (aerobic exercise or step aerobics); Pilates; weight training (body conditioning, cross training, or circuit training); or Zumba.

Sections will be separated by gender. All classes will be conducted on the MHS campus.

Athletic/Sports Programs

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

PLEASE NOTE: Only the sports listed below have an athletics period. The coaches of these sports are on staff at MHS or have made arrangements to be available to supervise their student-athletes during 7th period year-round. **All sports not listed below will conduct all conditioning and practices outside of school hours.**

Baseball	9 th – 12 th	Year-long / 1 credit	<i>Prerequisite: Coach approval</i>
Basketball	9 th – 12 th	Year-long / 1 credit	<i>Prerequisite: Coach approval</i>
Cheerleading	9 th – 12 th	Year-long / 1 credit	<i>Prerequisite: Coach approval</i>
Football	9 th – 12 th	Year-long / 1 credit	<i>Prerequisite: Coach approval</i>
Softball	9 th – 12 th	Year-long / 1 credit	<i>Prerequisite: Coach approval</i>

FOREIGN LANGUAGES/LANGUAGES OTHER THAN ENGLISH

NOTE: Other languages are available to students via the ACCESS program. However, based on the experiences and feedback from previous students, we do not recommend those courses for most students. Students in these courses do not have any face-to-face interaction with the instructor. The courses require a high level of self-motivation and self-monitoring.

Spanish I



Year-long / 1 credit
Grades 10-12

This course is an introduction to the Spanish language and customs which includes basic pronunciation, ear training, reading, and simple composition. Students should develop the ability to read material of elementary grammatical and idiomatic difficulty using a basic 2,000 word vocabulary.

Spanish II



Year-long / 1 credit
Grades 11-12

Prerequisite: Spanish I; C average or above is recommended.

This course extends the training in composition, oral expression and aural recognition to include all tenses of the indicative and the active and passive voices. Students should develop comprehension and usage at the intermediate level.

SOCIAL SCIENCE DUAL ENROLLMENT ELECTIVE

NOTE: COURSES IN THIS SECTION DO NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION.

Dual Enrollment Psychology 200

1 semester / 1 credit
Grades 10-12

Fee: Tuition to Jeff State CC of approx. \$492 per class/per semester

Note: PSY200 must be paired with SPH 106.

Prerequisites: B average in previous English and/or social studies courses is recommended; cumulative GPA of 3.0 strongly suggested and minimum of 2.5 required with permission of counselor and principal. Students

who are rising seniors must submit a copy of their ACT score or take the JSCC placement test prior to the first day of class.

Students registering for this course may earn high school credit for Psychology and will complete three semester hours of college credit in General Psychology through a dual enrollment agreement with Jefferson State Community College. **Dual Enrollment Psychology is designed for the student with above average abilities and study skills.** Students are required to pay the college tuition for this course at summer registration for a fall semester course or on the first day of school in January for a spring semester course.

NOTE: There is no final exam exemption option in this course. All enrolled students must take the final exam regardless of their class standing or class average.

General Psychology (PSY 200) is a survey of behavior with an emphasis on psychological processes. This course includes the biological bases of behavior, thinking, emotion, motivation, and the nature and development of personality. *Successful completion of this course will earn the student the high school course credit for Psychology.*

OTHER DUAL ENROLLMENT ELECTIVE

Dual Enrollment Speech 106

1 semester / 1 credit

Fee: Tuition to Jeff State CC of approx. \$492 per class/per semester

Grades 10-12

Note: SPH 106 must be paired with PSY 200.

Prerequisites: Cumulative GPA of 3.0 strongly suggested and minimum of 2.5 required with permission of counselor and principal. Students who are rising seniors must submit a copy of their ACT score or take the JSCC placement test prior to the first day of class.

Students registering for this course may earn high school credit for Speech and will complete three semester hours of college credit in Fundamentals of Oral Communication through a dual enrollment agreement with Jefferson State Community College. **Dual Enrollment Speech is designed for the student with above average abilities and study skills.** Students are required to pay the college tuition for this course at summer registration for a fall semester class or on the first day of school in January for a spring semester class.

NOTE: There is no final exam exemption option in this course. All enrolled students must take the final exam regardless of their class standing or class average.

Fundamentals of Oral Communications (SPH 106) is a performance course that includes the principles of human communication: Intrapersonal, interpersonal, and public. It surveys current communication theory and provides practical application. *Successful completion of this course will earn the student the high school course credit for Speech.*

FINE ARTS

Marching/Concert Band I-IV

Year-long / 1 credit

Grades 9-12

Selection is based on audition and band director's approval.

Fee required.

Marching Band is the fall semester portion of this course. Marching Band provides the students the opportunity to develop musical understanding, marching fundamentals and playing skills and to use these skills in appropriate performance situations. Course content includes continued reinforcement of all basic fundamentals learned at earlier levels with intensified emphasis on technical and musical expression through the marching band experience. Marching fundamentals are taught and incorporated into field show presentations.

Concert/Symphonic Band is the spring semester portion of this course. Concert/Symphonic Band provides the students the opportunity to develop musical understanding and playing skills and to use these skills in appropriate performance situations. Course content includes continued reinforcement of all basic fundamentals learned at earlier levels with intensified emphasis on technical and musical expression through the concert band experience containing the full spectrum of available literature. Solo playing, ensemble playing and individualized training are continued.

Auxiliary members will be placed into a year-long marching band section, and the members who do not play instruments will continue working on dance and flag routines for the entire school year.

Instrumental Elective I-IV (Band Lab)Year-long / 1 credit
Grades 9-12

Band Lab is for offered students who would like to practice their band instrument and receive assistance from the band director. Students who are not current band members must get written approval from the band director to register for this course.

Visual Arts IYear-long / 1 credit
Grades 9-12

Fee required.

Students will learn to recognize the elements of art and principles of design through a yearlong series of 2D and 3D projects. In addition, students will take active roles in guided art critiques throughout the year. Exams are given on a regular basis and include slide identification, short answer essay questions, and vocabulary. Art history, required fieldtrips, participation in art shows on the local, state, and national level and self-directed assignments are important to the learning experience of all Art 1 students.

Visual Arts IIYear-long / 1 credit
Grades 10-12

Prerequisite: Art I

Fee required.

This course emphasizes building a portfolio suitable for presentation to a college, art school, or prospective employer in an art-related field through a series of 2D and 3D projects. Students will continue to develop a rich understanding of art history and an emphasis is placed on students becoming self-directed with their artwork. Exhibitions and competitions on a local, state, and national level are highly encouraged. Art 2 students will attend all field trips and keep a personal visual journal throughout the year.

Visual Arts IIIYear-long / 1 credit
Grades 11-12

Prerequisite: Art II and teacher approval

Fee required.

This course emphasizes building a portfolio suitable for presentation to a college, art school, or prospective employer in an art-related field. Exhibitions and competitions on a local, state, and national level are encouraged. Opportunities for course work in areas of individual interest are available in two and three-dimensional media.

Visual Arts IVYear-long / 1 credit
Grade 12

Prerequisite: Art III and teacher approval

Fee required.

This course engages students in the most advanced level of artistic development and technical proficiency. Students at this level understand the multifaceted components of solving visual arts problems. They are able to examine contexts, processes, and criteria for evaluations of works of art through an analytical method and to communicate their ideas regarding relationships among art forms and between their own work and the works of others. Many Level IV students plan to use their visual arts interest and ability in future careers.

Introduction to Theatre IYear-long / 1 credit
Grades 9-12

Fee required.

This course explores beginning theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how theatre communicates ideas and allows for self-expression. Students will study, write and/or perform scenes and monologues. Students will also be introduced to basic history of theater and technical theatre. Theatre also offers opportunities for students to develop team building and leadership skills. This is a performance-based class. Participation in performances outside of regular class hours is required.

Theatre IIYear-long / 1 credit
Grades 10-12*Prerequisite: Introduction to Theatre I or teacher approval**Fee required. Participation in Trumbauer Festival is required.*

This one credit course, accomplished level, continues the study of theatre. Creating, performing, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how theatre communicates ideas and allows for self-expression. Students will study, write and/or perform scenes and monologues. Students will use their acting to refine their theatre and technical technique. Students will study the history of theatre and perform solo, duo and group theatre works. This is a performance-based class. Participation in performances outside of regular class hours is required.

Theatre IIIYear-long / 1 credit
Grades 11-12*Prerequisite: Theatre II or teacher approval**Fee required. Participation in Trumbauer Festival is required.*

In this class students will accomplish skills and knowledge of higher level theatre including create; improvisation; write scripts, direct, perform; theatre history; theatre vocabulary; aesthetics; criticism; characterization; analysis; interpretation; technical work; technology; compare fundamental elements used for communication with other art forms This is a performance-based class. Participation in performances outside of regular class hours is required.

Theatre Elective I (Theatre IV)Year-long / 1 credit
Grade 12*Prerequisite: Theatre III or teacher approval**Fee required. Participation in Trumbauer Festival is required.*

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

MISCELLANEOUS ELECTIVES**Applications of Engineering & Technology***Fee: \$40*Year-long / 1 credit
Grades 9-12

Applications of Engineering and Technology offers students an investigative view of the engineering profession and the fundamental skills utilized in the field. Students continue investigating engineering disciplines and related career paths. Students will expand leadership and teamwork skills through creativity, collaboration, communication, and critical thinking. Additionally, students will increase their understanding of science, technology, engineering, and mathematics (STEM) principles used in problem-solving through the engineering design process.

Environmental Engineering*Fee: \$40*Year-long / 1 credit
Grades 10-12

Environmental Engineering is designed to offer students an overview of environmental sustainability. It allows students to explore training, education, and career opportunities related to environmental engineering. Students will investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply, and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these real-life challenges. And finally, students will describe the careers associated with environmental engineering and what roles they play in society.

AP Computer Science A (ACCESS)Year-long / 1 credit
Grades 10-12

This is a college-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for computer science; focuses on the innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives; introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. The course content is established by the College Board; students are expected to take the Advanced Placement exam administered by the College Board in May. College credit may be earned based on a student's score on this exam; score requirements for credit are determined by individual colleges/universities. Students and parents should be prepared for the rigor of the Advanced Placement curriculum; an extensive amount of outside work is required for this course. Students **must** pay the \$97 exam fee and take the Advanced Placement exam at the completion of this course. This course does not fall under the A+ College Ready adjusted fee program.

Early Out (Seniors only)Year-long / No credit
Grades 12

Prerequisite: 12th grade students on track to graduate who meet the specified criteria.

The early out class is approved by the St. Clair Board of Education for seniors only. The senior must be on-track to graduate in the current school year, have a GPA of 2.0 or above, be employed OR engaged in an outside academic program (dual enrollment), and must attend school regularly and exhibit appropriate behavior. Students, with proof of all requirements and approval by parents or guardians, are allowed to enroll in this class and leave campus for the last period of the day. This privilege may be revoked at any time students are failing one or more courses.

Student Aide (Office) or Exceptional Education AideYear-long
Grade 12

Students selected for Office Aide will assist office workers with daily tasks such as answering phones and greeting visitors. Students must be professional and courteous at all times. This course will not receive a grade or elective credit. Interested students should see their counselor for additional information.

Students selected for Exceptional Ed Aide will work the with Exceptional Education teacher in the small group classroom or gym. This course will receive a grade and elective credit. Interested students should see their counselor for additional details.

YearbookYear-long / 1 credit
Grades 10-12

Prerequisite: Approved applicants only

Students will work on designing the yearbook. Students will be expected to sell advertisements for the yearbook. Interested students should see Mrs. Lancaster. Staff members for the upcoming school year will be chosen by an application process in the spring semester of each year.

CAREER TECHNICAL COURSES AT MHS

Career and technical student organizations are integral, co-curricular components of each career and technical education course and program. These organizations serve to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

Career PreparednessYear-long / 1 credit
Grades 9-12

This course is required for an Alabama High School Diploma.

Fee required.

Career Preparedness will prepare students with content knowledge and skills to be college- and career-ready by incorporating career development and academic planning, computer skills application, and financial

literacy knowledge. The required 20-hour online experience required for graduation may be met by taking this course.

Workforce Readiness

Year-long / 1 credit
Grade 12

A one-credit course that provides students with higher-level academic and occupational skills that are transferable across jobs and occupational areas. Emphasis is placed on career development and employment. This class for is 12th grade students only.

Fundamentals of Agriscience

Year-long / 1 credit
Grades 9-12

Fee required

Fundamentals of Agriscience is a course that provides students with a fundamental overview of the Agriculture, Food and Natural Resources cluster, which contains five pathways—Power, Structure, and Technical Systems; Environmental and Natural Resources Systems; Animal Systems; Plant Systems; and Agribusiness Systems. Students are involved in classroom and laboratory activities in each of the five pathway areas. The emphasis for Fundamentals of Agriscience is based around the NCCER Core Curriculum including basic safety, construction math, hand tools, power tools, construction drawings, basic rigging, communication skills, employability skills, and materials handling. Fundamentals of Agriscience is a part of four courses that comprise the General Agriscience Program. This course should be offered in series along with Intermediate Agriscience, Advanced Agriscience, and Applied Agricultural Mechanics. It is strongly encouraged that Fundamentals of Agriscience be a required pre-requisite for the other courses in the program. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

Intermediate Agriscience

Year-long / 1 credit
Grades 10-12

Prerequisite: Fundamentals of Agriscience

Fee required

Intermediate Agriscience is a course that provides students with an intermediate understanding of the Agriculture, Food and Natural Resources cluster, which contains five pathways—Power, Structure, and Technical Systems; Environmental and Natural Resources Systems; Animal Systems; Plant Systems; and Agribusiness Systems. Students are involved in classroom and laboratory activities in each of the five pathway areas. The emphasis for Intermediate Agriscience is plant systems. The curriculum will provide opportunities for credentials utilizing resources from the Alabama Green Industry Training Center and NCCER. Intermediate Agriscience is part of a four-course sequence that comprises the General Agriscience Program. This course should be offered in series along with Fundamentals of Agriscience, Advanced Agriscience, and Applied Agricultural Mechanics. It is strongly encouraged that Fundamentals of Agriscience be required as a pre-requisite for this course. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

Agribiology

Year-long / 1 credit
Grades 11-12

Prerequisite: Intermediate Agriscience

Fee required

Agribiology uses agricultural contexts to present life science content. As students consider practical agricultural concepts, they apply scientific ways of thinking and working to real-life problems. Content may be enhanced by utilizing appropriate technology. Students learn and apply safety concepts, explore career opportunities and requirements, practices the skills needed to succeed in the workplace, develop leadership and take advantage of the opportunities afforded by Carrer and Technical Student Organizations. Also,

students will learn and practice essential digital skills, and participate in supervised projects which allow them to put into practice the skills and knowledge acquired in the classroom, shop, and lab.

Digital Media Design

Year-long / 1 credit
Grades 10-12

Prerequisite: Career Preparedness

Fee required.

Digital Media Design provides a creative, hands-on environment in which students collaborate to produce a variety of digital media projects. Students use various hardware, peripherals, software, and web-based tools to learn skills involving graphic design, digital photography, web design, and digital video production. Additionally, the standards are designed for students to engage in critical thinking skills and practice appropriate behavior in the use of technology. Emphasis is placed on exploring and demonstrating business-related skills such as teamwork, interpersonal skills, and ethics while completing their projects.

Business Software Applications I

Year-long / 1 credit
Grades 10-12

Prerequisite: Career Preparedness

Fee required.

This course emphasizes the skills required to create, edit, and publish industry-appropriate documents. Areas of instruction include the integration of word processing, desktop publishing, spreadsheets, database management, and presentation software as well as the use of emerging technologies. Competencies for the co-curricular student organizations, DECA and Future Business Leaders of America (FBLA-PBL), are also embedded in this course. Students will have the opportunity to gain industry-recognized credentials to document basic computer skills needed for future education or employment.

FACS – Family and Consumer Science

Year-long / 1 credit
Grade 9-12

Fee required

This course content is based upon the Alabama Course of Study, Family & Consumer Sciences. This is a one credit course that allows students to explore the topics of marriage and family life, parenting and caregiving, consumer services, apparel, housing, food and nutrition, and technology and careers. Hands-on activities and experiences conducted in the classroom and laboratories are important components of this class.

Food and Nutrition

Year-long / 1 credit
Grade 10-12

Prerequisite: Family and Consumer Science

Fee required

This course content is based upon the Alabama Course of Study, Food & Nutrition. This course is designed to allow students to explore food, nutrition, management and service, technology and careers. Major topics include selection and preparation of nutritious meals, safety, sanitation, and storage of food. Hands on activities and experiences conducted in the classroom and laboratories are important components of this class.

Event Planning

Year-long / 1 credit
Grade 10-12

Prerequisite: Family and Consumer Science

Fee required

This is a one-credit course in which students will learn to organize and plan all aspects of business and social events including the food, location, and décor associated with hiring an event planner. Concepts taught in the course include planning for the event with activities, establishing a budget, determining the theme, planning the guest list, determining the location, developing an event plan schedule, planning transportation needs, training staff, staging the event, providing necessary technology and equipment, securing entertainment, and understanding the legal issues in event planning. Students will have the opportunity to assist in planning, preparing decorations for, and conducting various school-wide events in order to practice skills taught.

OFF CAMPUS CAREER TECHNICAL COURSES

In addition to the career technical programs offered on the Moody High School campus, our students have the opportunity to attend classes for programs based in other locations.

EDEN CAREER TECHNICAL CENTER – ASHVILLE

Who is allowed to go to ECTC?

While the majority of students begin attending ECTC during their junior year, many of these programs allow a third year for students who opt to begin attending in the 10th grade. These needs will be addressed by the counselors at MHS and ECTC on an individual basis. 3rd year students may have the opportunity to co-op during the 2nd semester of their senior year.

*Students may begin attending JROTC in 9th grade.

Why do I have to take three credits at ECTC?

Students from MHS attending ECTC are transported by bus for approximately half of each day. Three Career Technical Education credits may be earned at ECTC and the remaining four credits at MHS are typically the core academic courses.

**Important note:* Students attending ECTC (morning AND afternoon sessions) will have to complete one credit via Edgenuity as the travel time does not allow them to attend a 4th period class.

Can I choose whether I go in the morning or afternoon?

No. ECTC may specify that students attend a particular session based on their program and year of attendance. Otherwise, your schedule will be developed in the best way to place you in the classes you need to graduate.

How much does it cost to attend ECTC?

Based on the last information received from ECTC, the cost to attend classes at ECTC ranges from \$70 to \$100.

Students must apply to ECTC via the yearly application, participate in an interview, and be selected for a class placement in order to attend any ECTC program.

Army JROTC: Designed to teach leadership, success skills, physical fitness, health, citizenship, as well as how to efficiently improve schoolwork

Automotive Service: Diagnosis, service, and repair of automobiles and light trucks

Business Management: Completers develop a career focus and the skills that enhance their chances of moving directly into higher education, an apprentice program, the military, or entry-level employment in Marketing, Management, Computer Technology, or Finance

Carpentry: Current and emerging technology, layout, fabrication, assembly, installation, and repair in essential elements of building construction

Collision Repair: Repair and refinishing automobiles and light trucks

Co-op: Allows 12th grade students the opportunity to work during school hours instead of taking electives

Culinary: Helps prepare students to work in kitchens through cooking, hospitality, tourism, and management. The culinary classes are located on the MHS campus, but students follow the half-day ECTC schedule.

Drafting and Design: Designed to allow students to learn how to draft for the architecture industry

Early Childhood Development: Prepares students to work in early education and pre-K programs.

Emergency Medical Services/Fire Science: Students become prepared to work as an EMT.

Health Science/Technology: Prepares students to successfully enter a career in healthcare

HVAC: Students can learn how to become prepared with HVAC

Information Technology: Involves the design, development, support, and management of hardware, software, multimedia, and systems integration services

Modern Manufacturing: Helps prepare students for the growing field of manufacturing including manufacturing processes, safety, and current technologies

Plant and Animal Science: Provides preparation for students interested in horticulture and veterinary field

Welding: Provides preparation for students interested in a career in metal work

Students and parents wishing to tour the facilities at ECTC may arrange that individually by calling 594-7055.

ACADEMY OF CRAFT TRAINING – IRONDALE

The Academy of Craft Training is located in Birmingham, near Irondale, and recruits students each spring who will be either juniors or seniors for the next school year. A bus runs each afternoon for students to take classes at the Academy. All academic courses are taken in the morning at MHS. The only cost to students and parents is a pair of steel-toed boots.

Students who plan to enter the workforce immediately after graduation in the fields of masonry, HVAC/plumbing, or electrical have an opportunity to attend classes at the Academy of Craft Training. These trades are in high demand in our area.

Interested students must complete an online application and undergo an interview at the Academy of Craft Training in early spring of the year before they will attend. The school system will provide transportation to the Academy for these interviews.

Appendix 1: Alabama College and Career Ready Indicators Required for Graduation



Alabama College and Career Ready (CCR) Indicator Required for Graduation for Class of 2026 and Beyond

1. ACT with Writing Benchmark (11th grade year)
 - a. Achieve a benchmark score in ANY of the following ACT sections:
 - i. English – 18 or higher
 - ii. Reading – 22 or higher
 - iii. Math – 22 or higher
 - iv. Science – 23 or higher
2. ACT WorkKeys Benchmark (12th grade year)
 - a. Score a 4 or higher on all 3 subtests to earn a Silver National Career Readiness Certificate
 - i. Applied Mathematics
 - ii. Workplace Documents
 - iii. Graphic Literacy
3. Career and Technical Education (CTE) Industry Credential
 - a. Complete a CTE class and pass the credential test
4. Career and Technical Education (CTE) Completer
 - a. Complete the foundation class for the pathway
 - b. Earn 3 credits in a CTE pathway (can include the foundation class)
 - c. Earn a grade of 70 “C” or higher in all classes
5. Dual Enrollment Credit
 - a. Complete an academic dual enrollment class with a grade of 70 or higher
6. Advanced Placement (AP) Exam Qualifying Score
 - a. Score a 3 or higher on any AP exam
7. Military
 - a. Committing to and enlisting for active duty in one of the various military branches

Appendix 2: Moody High School Mathematics Pathways (updated for 2019 Alabama Course of Study: Mathematics)

Note: Honors level of some courses may be available and are considered direct substitute for the general course title listed.

Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Grade 7 Mathematics	Grade 8 Mathematics	Geometry with Data Analysis	Algebra I with Probability	Algebra II with Statistics	Algebra with Finance OR Precalculus OR AP Precalculus
Grade 7 Mathematics OR Accelerated Grade 7 Mathematics	Grade 8 Mathematics	Geometry with Data Analysis AND Algebra I with Probability (concurrently)	Algebra II with Statistics	Precalculus OR AP Precalculus	Algebra with Finance OR AP Calculus OR AP Statistics
				Algebra with Finance	Precalculus OR AP Precalculus
Accelerated Grade 7 Mathematics	Accelerated Grade 8 Mathematics	Geometry with Data Analysis	Algebra II with Statistics	Precalculus OR AP Precalculus	Algebra with Finance OR AP Calculus
				Algebra with Finance	Precalculus OR AP Precalculus
Accelerated Grade 7 Mathematics	Grade 8 Mathematics OR Accelerated Grade 8 Mathematics	Geometry with Data Analysis	Algebra I with Probability	Algebra II with Statistics	Algebra with Finance OR Precalculus OR AP Precalculus