

GRADES 7-12

CURRICULUM HANDBOOK

MADISON ACADEMY



YOUR JOURNEY STARTS HERE

Helping students grow in wisdom, in stature, and in favor with God and man.

MISSION OF MADISON ACADEMY

“To provide a quality education in a Christian environment that will help students grow in wisdom and stature and in favor with God and man.”

A Christian education provides our students with an understanding of their relation to God and the world in which we live. Our goal is to meet the needs of each child so that he/she can live a life that will please and glorify God.

We pledge. . .

. . .to develop Christian attitudes, which go hand-in-hand with traditional American ideals of good citizenship.

. . .to provide high-quality learning experiences and honest evaluation of our students and ourselves.

. . . to relate Biblical principles to everything that is taught, both in the classroom and in all school-sponsored activities.

THIS CURRICULUM HANDBOOK IS IN TWO PARTS:

Part One: Academic and Co-Curricular policies that explain the requirements for earning a Madison Academy Diploma, regular or advanced, and maintaining eligibility for participation in extracurricular activities

Part Two: Course Catalog that includes core course pathways and descriptions and current elective offerings

Thank you for choosing Madison Academy. Our staff, faculty, and volunteer board of directors strive to faithfully administer the Lord’s work at MA in keeping with our mission, and we look forward to serving your family in God’s name.

The Administration and Board of Directors of Madison Academy

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INTRODUCTORY INFORMATION

NON-DISCRIMINATION STATEMENT

Madison Academy is a Christian school open to any qualified student without regard to race, religion, sex, color, national or ethnic origin, or physical handicap. In a manner consistent with all applicable laws and regulations, it does not discriminate on the basis of race, religion, sex, color, national or ethnic origin, or physical handicap in the administration of its educational policies, programs, and activities except where necessitated by specific religious tenets held by the institution.

ACCREDITATION

Madison Academy is fully accredited by the AdvancED, formerly known as Southern Association of Colleges and Schools (SACS) and by the National Christian School Association (NCSA).

ACADEMIC POLICIES

GRADES, GRADING SCALE, GPA, REPORT CARDS

- **Grades** are available online for parents and students to check through FACTS and Canvas. With the accessibility of this information, we encourage you to monitor your child's grades on a regular basis. For those families without online availability, printed progress will be available upon request. Please check with the Upper School office for grade access directions.
- **Grading scale:** A=90-100 B=80-89 C=70-79 D=65-69 F=0-64
- **WGPA** (Weighted Grade Point Average) for colleges will include all subjects. This average includes all core courses, electives, Bible, and bonus points for classes designated as AP, dual-enroll, and honors classes
- **GPA** (Grade Point Average) will be used for some in-school recognition and participation in programs. The GPA and equivalent Numeric Average includes the four core academic subjects: math, science, history, and English, plus Bible. Transcripts will show both GPAs and contain an explanation regarding the differences.
- **Report cards** will be issued at the end of each 9-week grading period electronically. If you do not receive a report card, please contact the Upper School office.
- **NOTE:** Students/parents have one (1) year in which to report and correct any discrepancies regarding grades/semester exams. Academic support material, grade books and semester exams will only be kept for twelve months.

PARTICIPATION GRADES for ALL 7-12 ELECTIVE AND BIBLE COURSES:

Participation grades will be given to students in all elective and Bible courses grades 7-12 based on the following Madison Academy **Classroom Rules**. These rules are as follows:

- **Be on Time**
- **Be Prepared** with assignments, book, pencil and paper, iPad or MacBook
- **Be Courteous** and use positive, appropriate language
- **Show respect** for self, classmates and teacher

- **Be Responsible** and work productively

The **Participation Grade** will make up 10% of each student’s overall grade in the elective or Bible class.

SEMESTER EXAMS

- Semester exams will be given in all core academic subjects. Semester exams may be given in the non-core subjects (art, drama, chorus, band, foreign language, Bible and PE) at the discretion of the teacher.

First Semester Exams:

- All students will take exams for the first semester, with the exception of one exemption if no unexcused absences and an 80 in the selected class.

Second Semester Exams:

Second semester exams may be exempted based upon the following criteria:

1. For students in grades 7th–11th, the student must have a grade of “A” in the class; seniors may exempt with a grade of “A” or “B” in the class.
2. If the class is the second half of a full-year course, the student must have earned a “B” or higher the first semester.
3. A student can have no unexcused absences (parent note, doctor’s excuse, or EC only) in the class and no more than 10 excused absences in the class the student is requesting to exempt. One parent note covers one school day. One parent note cannot cover multiple tardies or absences from different days.

This semester exam exemption privilege may be revoked for individual students as a consequence for misbehavior, including punctuality (excessive tardies).

ACADEMIC HONOR ROLLS

President's List—Students must maintain at least a 95% average on the academic subjects (four academic core + Bible) with no grade below a B in any subject.

Principal's List—Students must maintain at least a 90% average on the academic subjects (four academic core + Bible) with no grade below a C in any subject.

ACADEMIC REQUIREMENTS FOR GRADUATION

Participation in Madison Academy’s graduation is considered an honor. In order to participate in the commencement ceremony, students must have passed the classes determined necessary by administration and attend required practices. Students may be denied the opportunity to participate in the commencement ceremony for disciplinary reasons. If a senior is in danger of being ineligible to participate due to academic or behavioral difficulties, parents will be notified as soon as the problem

is identified. In the event that a senior does not graduate (on time), all coursework for credit must be completed before a diploma can be awarded.

HONORS RECOGNITION

Excellence in academic achievement, athletic accomplishments, leadership, and service is recognized through many venues at all grade levels throughout each school year. The following are criteria for three of the highest honors presented at Madison Academy. Any required academic numeric averages are based on honor roll calculations, which comprises the four core classes and Bible. Please see the Student-Parent Handbook for additional honors information.

Valedictorian Award - given yearly to the graduating senior with the highest numerical average for academic subjects for grades 9th-12th. To be eligible for this award, the student must qualify for the Advanced Academic Diploma and have been enrolled at MA since the beginning of the senior year. Determination is made after completion of the first semester of the senior year.

Note Beginning with the Class of 2025: Given yearly to the graduating senior with the highest weighted numerical average for academic subjects for grades 9th-12th.

Salutatorian Award - given yearly to the graduating senior with the second highest numerical average for academic subjects for grades 9th-12th. To be eligible for this award, the student must qualify for the Advanced Academic Diploma and have been enrolled at MA since the beginning of the senior year. Determination is made after completion of the first semester of the senior year.

Note Beginning with the Class of 2025: Given yearly to the graduating senior with the second highest weighted numerical average for academic subjects for grades 9th-12th.

Honor Graduate – is given yearly to each graduating senior earning an overall numeric average of 90 or above in academic subjects in grades 9th-12th.

Diploma Requirement Checklist

Class of 2020 - Class of 2024

Student Name: _____

Diploma Type: Reg Adv

Date:

Grade:

Credits Earned:

English-4 credits

- _____ English 9 Honors 9
- _____ English 10 Honors 10
- _____ English 11 Honors 11 or AP
- _____ English 12 DE AP

Math-4 credits

- _____ Algebra I
- _____ Geometry
- _____ Algebra II
- _____
- _____
- _____

Bible-4 credits

- _____ Bible 9 _____ Bible 10
- _____ Bible 11 _____ Bible 12

Required Electives-1.5 credits

- _____ 1/2 credit of Health
(OR 2 semesters of Human A&P)
- _____ 1 credit of LIFE PE
NOTE: MARCHING BAND may fulfill 1/2 PE requirement.

Electives-4.5 credits

Social Studies-4 credits

- _____ World History 9 -required
- _____ US History I (Early to 1877) 10 -required
- _____ US History II (1877 to Present) 11
or
- _____ US History DE 11
- _____ Government/Economics 12 -required

Science-4 credits

- _____ Biology
- _____ A physical science
- _____
- _____

Foreign Language-2 credits

must be in same language for Advanced Diploma

- _____ Foreign Language I
- _____ Foreign Language II

Notes:

- Advanced Diploma additional requirements:**
1. Must include an Advanced Diploma Math class (Algebra 1 or above) each year in grades 9-12
 2. Biology, Honors Chemistry, plus 2 advanced sciences
 3. Two credits in the same foreign language in grades 9-12
 4. No semester average below a 70 in any class

Diploma Requirement Checklist

Class of 2025 +

Student Name: _____

Diploma Type: Reg Adv

Date: _____ Grade: _____

Credits Earned: _____

English - 4 credits

- _____ English 9 or Honors English 9
- _____ English 10 or Honors English 10
- _____ English 11 or Honors 11 or AP
- _____ English 12 or Honors 12 or DE or AP

Social Studies - 4 credits

- _____ 9th - World History 9 - required
- _____ 10th - US History I (Early to 1877) – required or Honors US History I
- _____ 11th - US History II (1877 to Present) – required or US History II (Honors or DE)
- _____ 12th - US Government/Economics - required

Math - 4 credits

- _____ Algebra I
- _____ Geometry
- _____ Algebra II or Algebra II/Trig
- _____ _____
- _____ _____

Science - 4 credits

- _____ Biology
- _____ Physical Science or Honors Chemistry
- _____ _____
- _____ _____
- _____ _____

Bible - 4 credits

- _____ Bible 9 _____ Bible 10
- _____ Bible 11 _____ Bible 12

Foreign Language - 2 credits

Required for Advanced Diploma, Must be in the same language

- _____ Foreign Language I _____
- _____ Foreign Language II _____

Required Electives - 1.5 credits

- _____ 1/2 credit of Health (OR 2 semesters of Human A&P)
- _____ 1 credit of LIFE PE
NOTE: 1 Sem of MARCHING BAND may fulfill 1/2 PE requirement.

Notes:

Advanced Diploma additional requirements:

1. Must include an Advanced Diploma Math class (Algebra 1 or above) each year in grades 9-12 and must include at least 2 HN/DE/AP credits in grades 10-12
2. Biology, Honors Chemistry 1, plus 2 additional advanced sciences and must include at least 2 HN/DE/AP Science credits in grades 10-12
3. Must include at least 2 HN/DE/AP English credits in grades 10-12
4. Must include at least 2 HN/DE/AP Social Studies credits in grades 10-12
5. Two credits in the same foreign language in grades 9-12
6. No semester average below a 70 in any class

Electives - 4.5 credits

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

DIPLOMAS

Students have a choice of two types of diplomas -- Standard or Advanced.

NOTE: STUDENTS MUST MAINTAIN A 70+ AVERAGE PER SEMESTER IN EACH COURSE TAKEN (Bible & Electives included) TO RECEIVE AN ADVANCED DIPLOMA.

MA DIPLOMA TRACKS (Class of 2020 – Class of 2024)

Standard Diploma - 26 credits			Advanced Diploma - 28 credits		
4 credits of Bible	4 credits of English	4 credits of Social Science	4 credits of Bible	4 credits of English	4 credits of Social Science
4 credits of Science – Must include Biology I and a physical science	4 credits of Math – Must include Algebra I, Geometry, and Algebra II		4 credits of Science – Must include Biology I, Honors Chemistry, and 2 additional advanced Sciences	4 credits of Math – Must include an Advanced Diploma Math course (Algebra 1 or above) each year in grades 9-12	
½ credit of Health or 2 semesters of Human Anatomy & Physiology	1 credit of P.E.	4.5 credits of Electives	½ credit of Health or 2 semesters of Human Anatomy & Physiology	1 credit of P.E.	2 credits of Foreign Language -- must be 2 sequential years in the same language in grades 9-12
					4.5 credits of Electives

DIPLOMAS

Students have a choice of two types of diplomas -- Standard or Advanced.

NOTE: STUDENTS MUST MAINTAIN A 70+ AVERAGE PER SEMESTER IN EACH COURSE TAKEN (Bible & Electives included) TO RECEIVE AN ADVANCED DIPLOMA.

MA DIPLOMA TRACKS (Class of 2025+)

Standard Diploma - 26 credits	Advanced Diploma - 28 credits
<p data-bbox="380 569 553 594">4 credits of Bible</p> <p data-bbox="370 627 563 653">4 credits of English</p> <p data-bbox="337 686 596 711">4 credits of Social Science</p> <p data-bbox="266 745 667 798">4 credits of Science – (Must include Biology I and a physical science)</p> <p data-bbox="250 831 683 884">4 credits of Math – (Must include Algebra I, Geometry, and Algebra II)</p> <p data-bbox="250 917 683 970">½ credit of Health (or 2 semesters of Human Anatomy & Physiology)</p> <p data-bbox="396 1003 537 1029">1 credit of P.E.</p> <p data-bbox="354 1062 579 1087">4.5 credits of Electives</p>	<p data-bbox="1003 569 1177 594">4 credits of Bible</p> <p data-bbox="841 627 1339 680">4 credits of English – (Must include at least 2 HN/DE/AP credits in grades 10-12)</p> <p data-bbox="841 714 1339 766">4 credits of Social Science – (Must include at least 2 HN/DE/AP credits in grades 10-12)</p> <p data-bbox="841 800 1339 884">4 credits of Science – (Must include Biology I, Honors Chemistry I, and 2 additional advanced Sciences and must include at least 2 HN/DE/AP courses in grades 10-12)</p> <p data-bbox="824 917 1356 1012">4 credits of Math – (Must include an Advanced Diploma Math course [Algebra 1 or above] each year in grades 9-12 and must also include at least 2 HN/DE/AP courses in grades 10-12)</p> <p data-bbox="808 1045 1372 1098">2 credits of Foreign Language – (Must be 2 sequential credits in the same language in grades 9-12)</p> <p data-bbox="878 1131 1302 1184">½ credit of Health (or 2 semesters of Human Anatomy & Physiology)</p> <p data-bbox="1019 1197 1161 1222">1 credit of P.E.</p> <p data-bbox="977 1255 1203 1281">4.5 credits of Electives</p>

BONUS CREDIT FOR HONORS, DUAL-ENROLLMENT, AND AP COURSES

• Honors Courses

Due to the rigorous curriculum, certain courses have been designated as “Honors.” Students participating in honors courses in grades 9-12 will receive one-half quality point in their cumulative grade-point average calculation in recognition of the difficulty of the course.

• Dual Enrollment

Dual enrollment is an option available to juniors and seniors through arrangements made with Calhoun Community College and Faulkner University. Through this program, a qualified student may enroll in the approved core courses taught by MA faculty on the MA campus to earn high school credit while also earning college credit. Students participating in Dual-Enrollment courses receive an additional one-point bonus in their cumulative grade-point average calculation in recognition of the college equivalency and difficulty of the course. The class taken must be a class approved by Madison Academy. The student also must meet requirements set by the college. The student is responsible for prompt payment of all Dual Enrollment fees to the college. Students should inquire with their choice of college for details regarding acceptable transfer credits.

• Advanced Placement (AP)

Advanced Placement (AP) students will be required to take the AP exam. Colleges participating in the AP program give college credit for a passing score. Students should inquire with their choice of college for details regarding acceptable scores. Students participating in Advanced Placement courses receive an additional 1 point bonus on their cumulative grade-point average calculation in recognition of the college equivalency and difficulty of the course. AP test fees will be added to the school bill.

BRIDGE

For students in grades 2 through 12, Madison Academy offers a program to assist students who need extra support in organizational skills and study skills to be able to successfully navigate our college preparatory curriculum. Students must qualify to be part of this program and numbers are limited; contact the BRIDGE Director for information.

FAILURE POLICY

Grades 7-12 Any Bible course failure in middle or high school must be made up by assigned extra work during the summer. Students who fail any subject for the year should see the Dean of Students regarding available/approved options for make-up credit.

Grades 7-8, any failed academic core subject (English, math, social studies, or science) must be taken in summer school. If two (2) or more major subjects are failed, the student may be required to repeat

the grade. Failures are based on yearly averages. A student repeating a grade may or may not be allowed to return to Madison Academy, based on the decision of the Admissions Committee.

Grades 9-12, any subject that is failed and is required for graduation must be taken in summer school or through a virtual option. Failures are based on yearly averages.

SUMMER SCHOOL AND CREDIT RECOVERY

Courses repeated in summer school—through correspondence courses or at MA—must be approved by the administration. Such courses will not earn hour credit; however, these grades will be reflected on the permanent record.

- Summer school, credit recovery grades and repeated courses cannot be applied toward the Advanced Academic Diploma (Students successfully completing a credit recovery course will receive a grade of 70).
- Make-up work must be completed by the first Fall contest for AHSAA eligibility purposes.
- **Credit Recovery does not count toward NCAA eligibility** (*but is acceptable for AHSAA*).

PROBATION—ACADEMIC

Students are placed on academic probation when they receive two or more grades of “F” in a grading period or when their grade average in academic classes for a grading period is below 70. Academic Probation is designed to be an academic warning period. A student subject to Academic Probation for two consecutive semesters may be asked to withdraw from MA for one semester. After attending one successful semester at another school, he/she may reapply for admission. [See section EXTRACURRICULAR ATHLETIC ELIGIBILITY STANDARDS below for details regarding extracurricular athletic participation while on Academic Probation.]

SPECIAL EDUCATION POLICY

While Madison Academy’s smaller class sizes and enriched academic environment have helped students with mild special learning needs to succeed academically in a college preparatory curriculum, MA has no special education program and will not be responsible for the inability of students with special needs (ADD, LD, ADHD, etc.) to successfully meet the academic or behavioral requirements.

TRANSCRIPT RELEASE

Transcripts of a student’s record will be released by the college counselor to educational institutions, parents, or the student for any requested purpose without cost.

- The request must come via Parchment Exchange from the parents or guardian or student of legal age.
- No transcript will be released unless the financial account to MA is current.
- For transcripts to be sent to a college, students must register via Parchment Exchange. Juniors and Seniors will be given a code.

TRANSFER STUDENTS AND COURSE PLACEMENT

Transfer credit will be evaluated on an individual basis referring to official transcripts and course descriptions. Proficiency evaluations may be needed for class placement. Recognition of credit earned:

- Madison Academy recognizes credit earned from other schools that are associated with the regional or state accrediting agencies.
- All students transferring in from another school will be required to take the ISEE (Independent School Entrance Exam) to determine proper placement.
- No duplicate enrollment for credit is permitted.
- All prerequisite courses must be completed before a student advances to the next level.

VIDEO POLICY

Movie ratings of “G,” “PG,” and “PG-13” are generally acceptable in grades 7-12 without prior parent notification (teachers are asked to review PG-13 movies closely to be sure the content is not inappropriate). The movie/video must contain content with educational value and/or be relevant to the course. Teachers of grades 9-12 who wish to show educational movies/videos that are rated “R” **must** do the following:

- Present rationale of the educational value to the administration for approval.
- Send home a permission form to be signed by parents. Students not receiving parental permission to view the movie/video must be given an alternative assignment and not penalized grade-wise.

EXTRACURRICULAR POLICIES

EXTRACURRICULAR ATHLETIC ELIGIBILITY STANDARDS

Involvement in any extracurricular athletic activity is considered a privilege at Madison Academy, and participation is contingent upon maintaining academic and behavior standards. The purpose of creating a probationary policy is to signal to the student and his/her family that appropriate time and attention must be given to improving fundamental academic performance necessary for long-term student success. The policy has been created such that the student will be in control of the length of the probationary period, thus motivating the student to remedy the situation as soon as possible.

For interscholastic athletic competition, the following standard meets and exceeds the eligibility requirements stated by the Alabama High School Athletic Association.

To represent MA in extracurricular athletic activities, a student must maintain high academic standards, and therefore will be placed on Athletic Probation if any of the following standards are not met at the end of any 9-week grading period:

- A cumulative 70 average in core classes (defined as taking the sum of the 9-week numerical grades for Math, English, Science, Social Studies and Bible dividing by 5 to obtain the cumulative average).
- A failing grade in no more than 1 class.

Alabama High School Athletic Association Eligibility Requirements

- Students entering the 10th, 11th and 12th grades must have earned during the last two semesters of school (and summer school, if applicable) at least six new Carnegie units with a minimum composite numerical average of 70 in those six units. Four core curriculum courses (English, mathematics, science and social studies) must be included in those units passed and averaged.
- Students entering the 8th and 9th grades must have passed during the last two semesters of school (and summer school, if applicable) at least five new subjects with a minimum composite numerical average of 70 in those five subjects.
- Students entering the 7th grade for the first time are eligible.
- A transcript from that school must establish the eligibility of a student who has attended another school during the preceding year before the student is permitted to participate.
- Accredited correspondence courses may be accepted by a school system, but must be completed and the grade received before the first fall contest. To be accepted, correspondence course must have prior approval from the principal.
- For eligibility purposes, extra work, make-up work, review, etc. may not be counted. Only one unit in physical education per year may be counted, and a maximum of two units or subjects may be earned in any organized summer school that is approved by the State Department of Education. If a unit or subject is repeated in summer school, the higher numerical grade for that unit or subject may be used to compute the composite grade average.

Students declared ineligible at the beginning of a school year may regain eligibility at the end of the first semester by meeting the academic requirements listed above during the last two semesters in attendance (and summer school, if applicable).

PROBATION—ATHLETIC

- ***The student will not be allowed to compete or travel with the team until the academic performance has improved.*** *Improvement* is defined as completing the following by the mid-point of the following 9-week grading period, relative to the issue needing to be improved. Within 4 1/2 weeks, the student must do the following:
 - Achieve a cumulative average of 70 or above in core subjects (defined as taking the sum of the 4½-week numerical grades for Math, English, Science, and History/Social and Bible dividing by 5 to obtain the cumulative average).
 - Achieve a grade of 70 in all but one subject where an F was given in the previous 9 weeks.

The Athletic Director will review grades of every in-season athlete in grades 9-12 at each 9-week grading period and notify the student, parents, teachers, and head coach of the student's probation status. For each student placed on probation, the Athletic Director will review the improvement status at the 4½-week mark and will reinstate full extracurricular privileges at that time if the above improvement standard has been met. If improvement does not meet the standard at the 4½-week

mark, the student will continue on athletic probation, and review of the specific situation will be continued every 4½ weeks, until the standard is met.

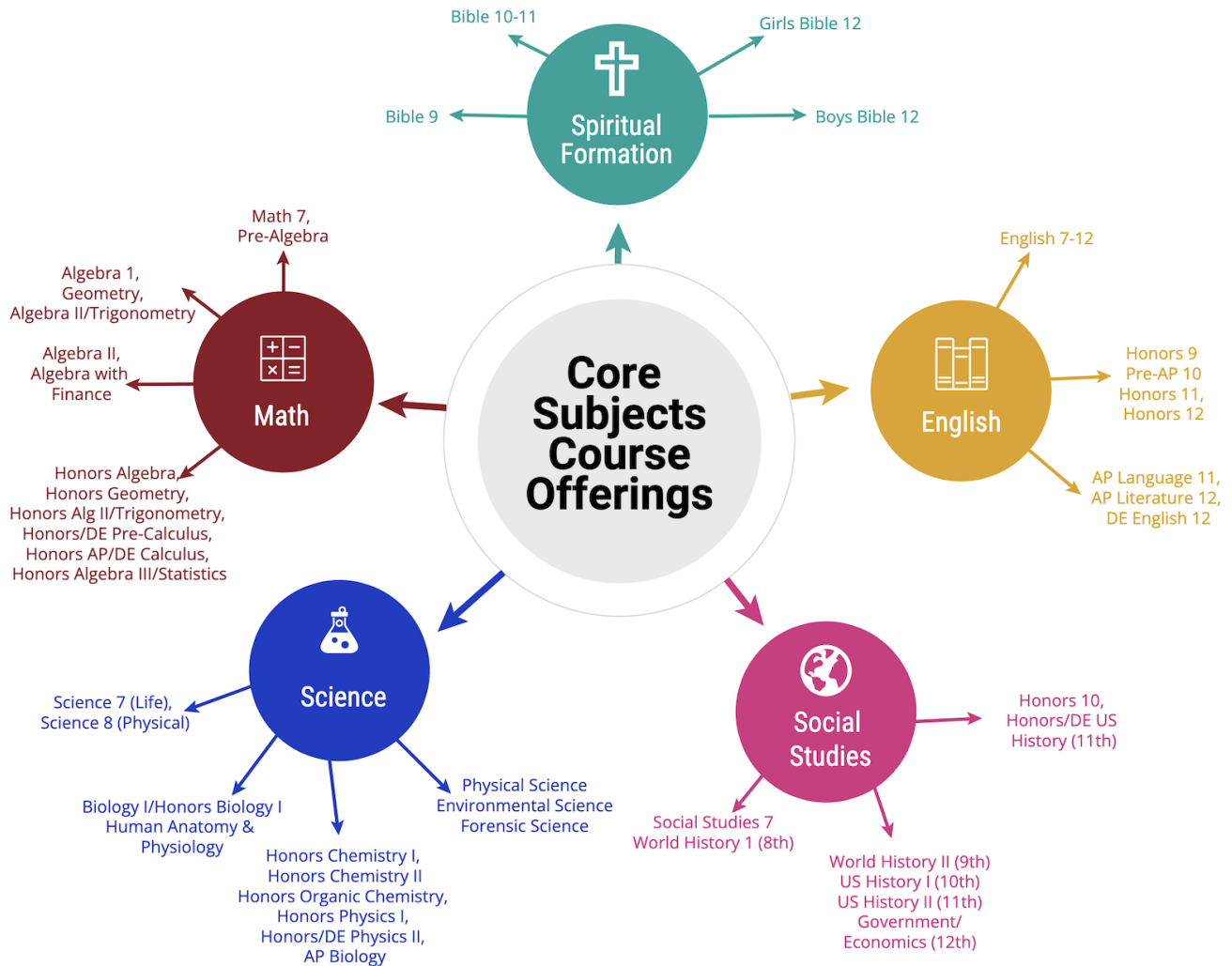
ATHLETIC ELIGIBILITY COMPLIANCE DOCUMENTS

To be eligible for participation in interscholastic athletics at Madison Academy, a student must have on file in the Athletic Department Compliance Office:

- Proof of medical/hospitalization insurance for the student (Madison Academy does not provide hospitalization insurance for athletes.)
- A physician's physical exam report that is no more than 1 year old
- STAR SPORTSMANSHIP Certification
- Copy of Birth Certificate
- Concussion History Form

COURSE CATALOG

Madison Academy offers a challenging curriculum designed to prepare students for successful transition to the four-year university program. Bible, English, Math, Science, and Social Studies must be taken each year while in grades 7-12. A variety of elective offerings give students the opportunity to explore additional subjects of personal interest, especially in the area of fine arts.



BIBLE COURSES

BIBLE & SPIRITUAL FORMATION

- **Bible:**
Grade 7 - 12
- **Bible Special Topics:**
Grade 10 -12
- **Bible Senior Focused:**
Grade 12 Girls
Grade 12 Boys



BIBLE

Level: Grades 7-12

Students will study the story of God's redeeming loving as told through both the Old and New Testament Scriptures. Biblical truths and spiritual formation principles will be emphasized based on gender- and age-appropriate topics. These age-specific Bible classes seek to meet our students' spiritual needs, to provide a solid foundation of Biblical knowledge, and to train our students in character, wisdom, morality, citizenship, and service to others.

Prerequisite: None

Credit: 1 Unit each year for grades 9-12

SPECIAL TOPICS BIBLE

Level: Grades 10-12

This class fills the need for a more advanced, comprehensive study of the Bible and of a few special topics. A four-year curriculum rotation provides students with a breadth and depth of Biblical instruction, presented in chronological order, in both the Old and New Testament.

For 2023-2024, the Special Topics class will study the entire New Testament. We will begin with a harmony of the 4 gospels study. We will then study the book of Acts and Paul's letters as they are written chronologically on his 3rd and 4th missionary gospels, his 2 years in Rome house arrest, and his last 3 letters that he wrote after he was released. We will also study the general epistles and Revelation.

Prerequisite: None, but previous Bible teacher recommendations are required

Credit: 1 Unit per year

STUDENT SPIRITUAL FORMATION TEAM

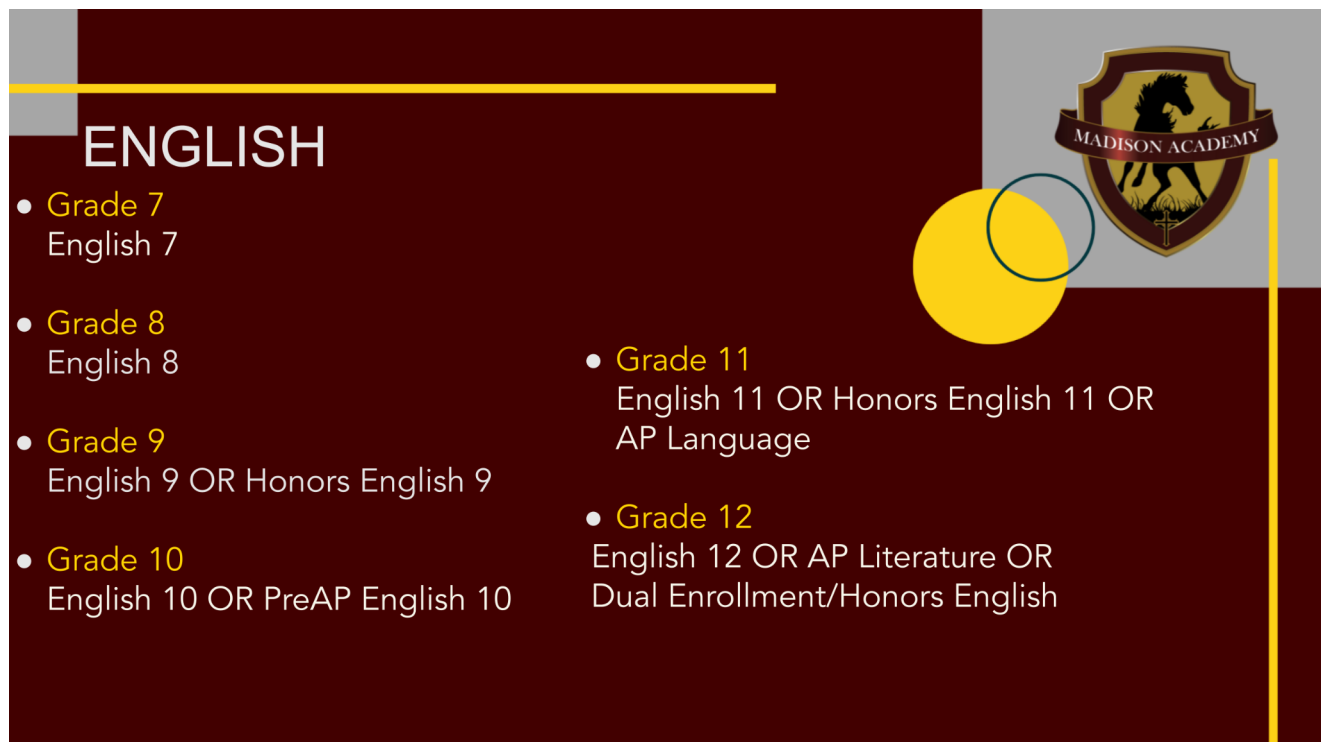
Level: Grades 11-12

The Student Spiritual Formation Team is a mix-gendered elective class open to Juniors and Seniors. The class will plan and lead the Gatherings (HS, MS, ES) for the entire school year, engage in outreach and service opportunities on and off campus, and learn practical lessons on discipleship. Students signing up for this class will be expected to have made a commitment to be a follower of Jesus, to have the capacity to work in a team setting, and to lead publicly after coaching from the instructor. Seniors who are on the Spiritual Formation Team as Juniors can take this course as their Senior Bible credit.

Prerequisite: Instructor Approval

Credit: 1 Unit

ENGLISH COURSES

A graphic with a dark red background and a grey top section. The word "ENGLISH" is written in large white letters. A yellow circle and a blue circle overlap on the right side. The Madison Academy logo, featuring a horse and the text "MADISON ACADEMY", is in the top right corner.

ENGLISH

- **Grade 7**
English 7
- **Grade 8**
English 8
- **Grade 9**
English 9 OR Honors English 9
- **Grade 10**
English 10 OR PreAP English 10
- **Grade 11**
English 11 OR Honors English 11 OR AP Language
- **Grade 12**
English 12 OR AP Literature OR Dual Enrollment/Honors English

ENGLISH 7

Level: Grade 7

This course encompasses year-long, formal grammar study, exploration of fiction and non-fiction literature, and instruction in writing in a variety of modes for a variety of purposes. Students will be introduced to MLA formatting and documentation. Reading comprehension and critical thinking skills are developed through analysis of short stories, poems, and essays. Reading levels will be monitored by STAR testing. Students will also complete weekly vocabulary and spelling lessons throughout the year.

See website for Summer Reading Requirement

Prerequisite: English 6

ENGLISH 8

Level: Grade 8

This course has the goal of making student writing clear, concise, correct, and effective. Emphasis is placed on transitioning students from middle school to the more demanding high school English curriculum. Grammar covered in 7th grade is reviewed, then concentration is on sentence improvement and the development of writing at the paragraph level. A 30-week word study matures student vocabulary. Two research papers with an emphasis on history teach students, through comparison and contrast, to think outside their own worlds into the past, present, and future. Students work on improving critical thinking by studying short works of fiction and non-fiction, as well as current events.

See website for Summer Reading Requirement

Prerequisites: English 7

ENGLISH 9

Level: Grade 9

NCAA Approved Course

Advanced Diploma Approved Course

English 9 is a developmental composition and literature course that focuses on critical thinking and introduction to the analysis of literature. Improving vocabulary skills, grammar, mechanics, and usage are stressed in all areas of writing. Critical thinking skills are cultivated in the analysis of the novel *To Kill a Mockingbird*; the drama *Romeo and Juliet*; short stories; and poetry. Writing skills are emphasized through strategies that include writing expository essays, weekly journal responses, personal narratives, and literary analysis.

See website for Summer Reading Requirement

Prerequisite: English 8

Credit: 1 Unit (required; substitute includes Honors English 9)

HONORS ENGLISH 9

Level: Grade 9

NCAA Approved Course

Advanced Diploma Approved Course

Honors English 9 is a fast-paced literature and composition course for highly motivated students in which they explore a multicultural survey of literature and language. Reading selections will be drawn from fiction, nonfiction, plays, and poetry. Students will discuss historical and social themes and their relevance to today's world, analyze literary devices used by authors, and think critically as they interpret and analyze works of literature. Students will write frequently for varying purposes, including literary analysis and synthesis of information. In addition to the reading and writing, students will review and practice grammatical concepts to add strength and clarity to writing. A year-long vocabulary study will help students to develop a broader command of language. Features such as timed writings, cumulative vocabulary, poetry responses, class discussions, presentations, in-depth writing assignments, and at-home reading assignments will prepare students who plan to take an AP English course as a junior or senior.

Eligibility Requirements for Honors English 9 and Pre-AP English 10

Honors English 9 and Pre-AP English 10 are designed to prepare students for the rigors of AP Language and AP Literature. However, admission into Honors English 9 does not guarantee admission into Pre-AP English 10, nor does completion of Honors English 9 and Pre-AP English 10 classes guarantee admission into AP Language and/or AP Literature.

Requirements for consideration for Honors English 9 and Pre-AP English 10

1. Maintained an 85% average in English 8 and 9 or an 80% average each quarter in Honors 9.
2. Standardized test scores indicate success in Honors.
3. Two English teacher recommendations: most recent English teacher must be one.
4. High attendance record.
5. Quality timed-writing sample (if requested by the department)

See website for Summer Reading Requirement

Credit: 1 Unit (fulfills English 9 requirement)

ENGLISH 10

Level: Grade 10

NCAA Approved Course

Advanced Diploma Approved Course

English 10 is a basic composition and literature course that focuses on critical thinking, research skills, and an introduction to the analysis of literature. Emphasis is placed upon the development of critical thinking and writing skills through reading and writing expository essays as well as the fundamentals of research and documentation. Required writing includes frequent, short expository essays and one research paper. Emphasis is also placed on building vocabulary skills by improving dictionary and thesaurus skills and teaching the concept of “owning a word.” Grammar, mechanics, and usage stressed in all areas of writing with a focus on editing skills. Critical thinking skills are cultivated in the analysis of novels, short stories, drama, essays, and poetry in American and world literature.

See website for Summer Reading Requirement

Prerequisite: English 9 or Honors English 9

Requirements for consideration for Honors English 9 and Pre-AP English 10

1. Maintained an 85% average in English 8 or 9 or an 80% average each quarter in Honors 9.
2. Standardized test scores indicate success in Honors.
3. Two English teacher recommendations: most recent English teacher must be one.
4. High attendance record.
5. Quality timed-writing sample (if requested by the department)

Credit: 1 Unit (required; substitute included Honors English 10)

PRE-AP ENGLISH 10

Level: Grade 10

NCAA Approved Course

Advanced Diploma Approved Course

This course focuses on reading, writing, and language skills that are relevant to students' current work and essential for students' future high school and college coursework. Texts take center stage, preparing students for close, critical reading and analytical writing. The course trains readers to observe small details in a text to arrive at a deeper understanding of the whole. It also trains writers to

create complex sentences—building this foundational skill en route to sophisticated, longer-form analyses. Special emphasis will be placed on reading closely, valuing evidence, and noticing language choices.

See website for Summer Reading Requirement

Prerequisite: English 9 or Honors English 9

Requirements for consideration for Honors English 9 and Pre-AP English 10

1. Maintained an 85% average in English 8 or 9 or an 80% average each quarter in Honors 9.
2. Standardized test scores indicate success in Honors.
3. Two English teacher recommendations: most recent English teacher must be one.
4. High attendance record.
5. Quality timed-writing sample (if requested by the department)

Credit: 1 Unit (fulfills English 10 requirement)

ENGLISH 11

Level: Grade 11

NCAA Approved Course

Advanced Diploma Approved Course

This course teaches the major modes of English discourse and a survey of American literature.

Students also review the standards in grammar, usage, and rhetorical devices that are necessary for effective writing and for success on standardized tests such as the ACT. A vocabulary study is offered that expands students' working vocabulary, improves their reading comprehension and standardized test scores, and enhances their ability to write successful papers.

See website for Summer Reading Requirement

Prerequisite: English 10 or Pre-AP English 10

Credit: 1 Unit (required; substitute includes AP English 11)

HONORS ENGLISH 11

Level: Grade 11

NCAA Approved Course

Advanced Diploma Approved Course

This honors level course will concentrate on American literature from the early 1900s to the present and will specifically encourage growth in analytical and research-based writing. The objective of this course is to create thinkers who can effectively write and speak in the English language for a variety of purposes and situations and demonstrate the ability to comprehend and evaluate complex information in selected novels, poetry, plays, and short stories. Literature will be examined through historical, philosophical, cultural, psychological, ethical, and literary perspectives. Students will be well prepared to enroll in either Dual Enrollment English or AP Literature their Senior year.

See website for Summer Reading Requirement

Eligibility Requirements for Honors English 11

Honors English 11 is designed to prepare students for the rigors of Dual Enrollment English or AP Literature. However, admission into Honors English 11 does not guarantee admission into Dual Enrollment English or AP Literature.

Requirements for consideration for Honors English 11

1. Maintained an 85% average in English 9 and 10 or an 80% average each quarter in Pre-AP English
10. 2. Standardized test scores indicate success in Honors.
3. Two English teacher recommendations: most recent English teacher must be one.
4. High attendance record.
5. Quality timed-writing sample (if requested by the department)

Prerequisite: English 10 or Honors English 10

Credit: 1 Unit (fulfills English 11 requirement)

AP LANGUAGE & COMPOSITION

Level: Grade 11

NCAA Approved Course

Advanced Diploma Approved Course

This course is designed to be the equivalent to an introductory composition course in college and to meet the curricular requirements listed by the College Board. To become skilled readers, students will learn to read closely a variety of texts that range across the disciplines of the sciences as well as the arts. The purpose of the readings will be to examine the writer's subject, audience, and purpose; to analyze how the writer's style and rhetorical strategies achieve that purpose; and to assimilate a variety of texts on the same subjects so that students learn to read discriminately and to make informed judgments about the rhetorical effectiveness of each text. To become skilled writers, students will write in both informal and formal contexts in all of the major modes of discourse. In addition, students will complete a year-long research project on a major essayist or nonfiction writer that will progress in complexity and culminate in the synthesis and presentation of a variety of sources, both printed and visual. Requirement: Must take AP Language exam. Approximate cost is \$91.

See website for Summer Reading Requirement

Prerequisites: English 10 or Pre-AP English 10

Requirements for consideration for AP Language

1. Maintained an 85% average in English 9 and 10 or an 80% average each quarter in Pre-AP English
10. 2. Standardized test scores indicate success in Honors.
3. Two English teacher recommendations: most recent English teacher must be one.
4. High attendance record.
5. Quality timed-writing sample (if requested by the department)

***Starting during the 2022-2023 school year, a minimum score of 18 on ACT English portion will be required for enrollment in AP Language.**

Credit: 1 Unit (fulfills English 11 requirements; provides opportunity to earn college credit depending upon college acceptance of AP scores)

ENGLISH 12

Level: Grade 12

NCAA Approved Course

Advanced Diploma Approved Course

This course is designed to prepare students for the rigor and scope of college-level reading and writing assignments. A survey of British literature, English 12 focuses on poems, short stories, essays, plays, and novels of major British authors. In conjunction with these readings, students will write for various purposes; students will move from basic levels of interpretation and writing to analysis and synthesis of information. Through frequent and challenging writing, students will gain a greater command of the English language as they learn to respond to and analyze literature,

continuing to build style and voice. During this course, students will engage in research at varying levels and must satisfactorily complete a research paper for graduation. Other features of this course are a year-long vocabulary study and a review of grammatical concepts.

See website for Summer Reading Requirement

Prerequisite: English 11

Credit: 1 Unit (required; substitutes include English 12 DE or AP English 12)

ENGLISH 12: DUAL ENROLLMENT/HONORS COMPOSITION 101/102

Level: Grade 12

NCAA Approved Course

Advanced Diploma Approved Course

Dual Enrollment Composition 101/102 is a college-level composition course that is designed to develop and improve writing and thinking skills. The first semester provides review of grammatical concepts, workshops to foster collaboration, and practice writing in various modes (narration, description, exposition, persuasion). Students will sharpen their critical thinking and reading skills as by reading, responding to, and writing both short and extended arguments. Students will discover the impact of purpose, occasion, and audience in writing; demonstrate the ability to structure and expand ideas into coherent essays; and utilize proper researching and MLA citing techniques. This course will provide students with useful approaches to the writing process, enabling them to write clear, purposeful, and effective compositions. Note: Students must earn a 70 average for each semester to receive college credit for the class.

See website for Summer Reading Requirement

Additional Requirement: The approximate Calhoun Community College tuition is \$387 per semester.

Prerequisites: English 11, Honors English 11 or AP English 11

To be considered for acceptance in Dual Enrollment Composition 101/102, a student must meet the following criteria:

1. An 85% (or 80% in AP Language) average in the previous year's English class
2. An 18 or higher on the English portion of the ACT
3. Recommendation from the Junior English teacher

Credit: 1 Unit (satisfies English 12 requirement for high school; provides college credit depending upon college acceptance of transfer credits)

AP ENGLISH 12 AP ENGLISH LITERATURE & COMPOSITION

Level: Grade 12

NCAA Approved Course

Advanced Diploma Approved Course

AP Literature is designed to be a rigorous course, equivalent to an introductory literature course in college. Through the close reading of literary texts, specifically novels and poetry, students will ultimately understand how writers purposefully use language to engage and answer the big questions in life. Through careful explication of literature, students will see how each piece "measures up" and fits in--in its time period and in all time. Literary analysis will involve looking through the lenses of style and structure, rhetorical strategies, diction, figurative language, imagery, detail, development, tone, and syntax. Through frequent and challenging writing, students will gain a greater command of

the English language as they learn to respond to, interpret, and analyze literature. Also important to this course are vocabulary study and literary terms. AP Literature is designed for highly motivated students who wish to enhance themselves academically by taking an accelerated curriculum.

Eligibility Requirements for AP Language and/or AP Literature/Dual Enrollment

AP Language and AP Literature/Dual Enrollment are college-level courses that are extremely rigorous and require both student commitment to the heavy workload and student ability, which is measured by success in Pre-AP and standardized test scores such as the PSAT, PLAN or ACT.

If a student meets the requirements for admission into AP English but does not maintain at least a B-average each quarter, he or she may be transferred into English 11 or English 12.

Requirements for consideration for AP Language and/or AP Literature and/or Dual Enrollment English

1. Maintained an 80% average in AP Language each quarter, or an 85% average in English 9 and 10 and 11 each quarter
2. Standardized test scores indicate success in AP Language or Literature.

***Starting during the 2022-2023 school year, a minimum score of 18 on the ACT English portion will be required for enrollment in AP Language.** For Dual Enrollment, Calhoun requires a minimum of an 18 on the English portion of the ACT.

3. Two English teacher recommendations: most recent English teacher must be one

4. High attendance record

5. Timed-writing sample (if requested by the department)

Requirement: Must take AP Literature exam. Approximate cost is \$91.

See website for Summer Reading Requirement

Prerequisite: English 11, Honors English 11 OR AP Language

Credit: 1 Unit (fulfills English 12 requirement for high school; provides opportunity to earn college credit depending upon college acceptance of AP scores).

MATH COURSES

MATH

- **Grade 7**
Math 7 OR Pre-Algebra 7
- **Grade 8**
Pre-Algebra OR Algebra I 8th Grade
- **Grade 9**
Algebra I
Geometry
Honors Geometry
- **Grade 10**
Geometry
Honors Geometry
Algebra II with Trigonometry
Honors Algebra II with Trigonometry
- **Grade 11**
Algebra II
Algebra II with Trigonometry
Algebra II Honors with Trigonometry
Honors/Dual Enrollment PreCalculus
- **Grade 12**
Algebra II
Algebra with Finance
Honors/Dual Enrollment PreCalculus
Honors Algebra III/Statistics
Honors/AP/Dual Enrollment Calculus



MATH 7

Level: Grade 7

Math 7 contains a review of the basic operations with whole numbers, fractions, and decimals. Further topics of study include: percents, negative integers, rectangular coordinates, prime and composite numbers, factoring, greatest common factor, least common multiple, proportions, simple interest and interest on savings, taxes, solving equations with one variable, perimeter and area of geometric shapes, and median, mode, and range of a set of data.

Prerequisite: Successful completion of Grade 6 Math

PRE-ALGEBRA 7

Level: Grade 7

Pre-Algebra 7 is designed to give students a firm foundation in mathematical concepts needed to prepare them for Algebra I. This study includes basic operations of integers and rational numbers. It also includes simplifying, evaluating, solving and graphing equations and inequalities. Other topics include rates, ratios, proportions, percents and data analysis. It also introduces functions, exponents, square roots and scientific notation. The geometry section includes identifying geometric shapes and using the different geometric formulas. At the Honors Level, the distance formula, special right triangles, dilations, indirect measurement, circle graphs, graphing systems of equations, linear and nonlinear functions are all introduced.

Prerequisite: Placement will be based on students' current Math 6 grades, aptitude test scores, achievement test scores, and standardized test scores.

Recommendation: Each student must maintain an overall average of 85 to proceed to Honors Algebra I in the 8th grade. Otherwise, the student will proceed to Algebra I. A student making less than 75 may be required to go to PreAlgebra in the 8th grade.

PRE-ALGEBRA

Level: Grades 8-9

Pre-Algebra is designed to give students a firm foundation in mathematical concepts needed to prepare them for Algebra I. This study includes basic operations of integers and rational numbers. It also includes simplifying, evaluating, solving and graphing equations and inequalities. Other topics include rates, ratios, proportions, percents and data analysis. It also introduces functions, exponents, square roots and scientific notation. The geometry section includes identifying geometric shapes and using the different geometric formulas.

Prerequisites: Math 7

Credit: 1 Unit (if taken to fulfill 9th grade math requirement)

ALGEBRA (8th)

Level: Grade 8

Algebra I (8th) is an advanced algebra course that reviews several pre-algebra skills and stresses both the structure of algebra and computational problem-solving skills. This course is designed to prepare students for success in Algebra II/Trig and higher level algebraic concepts. Honors Algebra I includes the study of relationships between quantities, linear and exponential relationships, quadratic relationships, advanced functions and equations, and trigonometric ratios. Students will solve equations of lines by graphing and algebraic means, graph linear inequalities, and graphing nonlinear functions. Honors Algebra I is a rigorous course that will challenge students' thinking and organization of information.

Recommendation: Each student must maintain an overall average of 85 to proceed to Honors Geometry. Otherwise, the student will proceed to regular Geometry. An 8th grade student making less than 75 may be required to repeat Algebra I in the 9th grade. **Prerequisite:** Completion of Honors PreAlgebra 7 with an overall average of 80 and teacher recommendation.

Credit: No Credit awarded for Algebra 1 taken in 8th grade

ALGEBRA I

Level: Grades 9-10

NCAA Approved Course

Advanced Diploma Approved Course

Algebra I is designed to give students the requisite skills that provide a foundation for all future mathematics courses. Students will study algebraic foundations, polynomials, probability, exponents, data analysis, rational expressions and radical expressions. The students will learn to write, solve, and graph linear equations and inequalities, quadratic equations, systems of equations and inequalities, and absolute-value equations and inequalities. Throughout the course, mathematical concepts will be taught with an emphasis on real-world application.

Prerequisites: Pre-Algebra

Credit: 1 Unit (required)

GEOMETRY

Level: Grades 10-11

NCAA Approved Course

Advanced Diploma Approved Course

Geometry contains a study of the following topics: reasoning and logic, deductive proofs, constructions, angle relationships, parallel lines, perpendicular lines, Pythagorean Theorem, right triangles, right triangle ratios; congruence, similarity, circles, quadrilaterals, polygons, polyhedrons, area and volume.

Recommendation: Each student must maintain an overall average of 75 to proceed to Algebra II/Trig. Otherwise, the student will proceed to Algebra II.

Prerequisites: Algebra I

Credit: 1 Unit (required)

HONORS GEOMETRY

Level: Grades 9-10

NCAA Approved Course

Advanced Diploma Approved Course

This proof-based geometry course is designed to give students an in-depth understanding of geometry concepts that can be used in the study of other branches of mathematics, in their career choices, or in everyday life. Lessons in the textbook will be supplemented by videos, assessments and projects to provide students an opportunity to develop mathematical reasoning, critical thinking skills, and problem solving techniques. Students will be required to complete a Proofs Notebook and a Constructions Notebook. Assignments will be added to notebooks throughout each quarter and submitted for a test grade.

Recommendation: Each student must maintain an overall average of 75 to proceed to Algebra II/Trig. Otherwise, the student will proceed to Algebra II.

Prerequisite: Completion of Honors Algebra I with a minimum grade of 85 or completion of Algebra I with a minimum grade of 90, and teacher recommendation.

Credit: 1 unit

ALGEBRA II/TRIGONOMETRY

Level: Grades 10-12

NCAA Approved Course

Advanced Diploma Approved Course

Algebra II/Trigonometry contains a more in-depth study of concepts presented in Algebra I while introducing several higher level concepts. Topics covered include: linear equations, polynomials, systems of equations and inequalities, complex numbers, exponential functions, logarithmic functions, quadratic equations, matrices, radical equations, nonlinear equations and inequalities, and function graphing. Trigonometric topics include: right triangle ratios, solving general triangles using the Law of Sines and Law of Cosines, area of oblique triangles, solving trigonometric equations, graphing, and verifying identities. **Note:** A student who wishes to take Algebra II/Trigonometry and Geometry concurrently must have an "A" semester average in all previous math course.

Prerequisite: Completion of Algebra I and Geometry with a minimum overall average of 75 and teacher recommendation.

Credit: 1 unit (Algebra II or Algebra II/Trigonometry is required for graduation. Students may not receive credit for both courses.)

HONORS ALGEBRA II/TRIGONOMETRY

Level: Grades 10-12

NCAA Approved Course

Advanced Diploma Approved Course

Honors Algebra II/Trigonometry is an advanced Algebra II course which contains a more in-depth study of concepts presented in Algebra I while introducing several higher level concepts. Honors students will be required to derive formulas and develop more complex critical thinking skills and problem solving. Algebra topics covered include the following: linear equations, polynomials, systems of equations and inequalities, complex numbers, exponential functions, logarithmic functions, quadratic equations, using matrices to solve linear systems, radical equations, nonlinear equations and inequalities, and function graphing. Direct variation, inverse functions, and composition of functions will also be studied. This course also includes conic sections, sequences/series, and probability/statistics. Trigonometric topics include: right triangle ratios, solving general triangles using the Law of Sines and Law of Cosines, area of oblique triangles, solving trigonometric equations, graphing, and verifying identities. **Note:** A student who wishes to take Algebra II/Trigonometry and Geometry concurrently must have an “A” semester average in all previous math courses.

Prerequisite: Completion of Algebra I and Geometry with a minimum overall average of 90 and teacher recommendation OR completion of Honors Geometry with a minimum overall average of 80.

Credit: 1 unit

ALGEBRA II

Level: Grade 11-12

NCAA Approved Course

Algebra II is designed to extend algebraic knowledge and skills, but at a slower, less rigorous pace than Algebra II/Trigonometry. Topics include: evaluating and simplifying algebraic expressions, properties and subsets of real numbers, linear equations, complex numbers, solving and graphing systems of equations and inequalities, polynomials, quadratic equations, exponential functions, rational expressions, logarithmic functions, basic operations on matrices, functional operations, and graphing functions.

Note: A student may NOT receive credit in both Algebra II and Algebra II/Trigonometry.

Prerequisite: Successful completion of Algebra I

Credit: 1 unit (Algebra II or Algebra II/Trigonometry is required for graduation. Students may not receive credit for both courses.)

HONORS ALGEBRA III/STATISTICS

Level: Grades 11-12

NCAA Approved Course

Advanced Diploma Approved Course

Statistics is an upper level math course designed for juniors and seniors following Algebra II/Trig or Pre-Calculus. This course extends the concepts introduced in Algebra II/Trig and provides students with the major concepts of probability and statistics. The course is designed for college bound

students who want exposure to advanced mathematical topics. New topics in Algebra include vectors, conics, polar graphing, and linear programming. Probability and statistics topics include measures of central tendency and dispersion, probability distributions, confidence intervals, hypothesis tests, and data comparison. This course may have an option for Dual Enrollment credit.

Requirement for DE: Minimum of 20 ACT Math score and completion of Algebra II/Trigonometry.

Prerequisite: Algebra I, Geometry and Algebra II/Trig with a minimum grade of 75 and teacher recommendation.

Credit: 1 unit

HONORS PRECALCULUS: DE MATH 112/113

Level: Grades 11-12

NCAA Approved Course

Advanced Diploma Approved Course

Honors PreCalculus includes advanced algebra, trigonometry, and pre-calculus concepts. The advanced algebra topics include matrices and determinants, polynomial functions and graphs, inverse functions, and probability. The trigonometric topics include trigonometric functions, identities, and formulas; circular functions and inverses; polar coordinates; and graphing trigonometric functions. PreCalculus topics include vector operations, conics, logarithmic functions, exponential functions, and sequences and series.

Requirement: graphing calculator (See teacher for Model #).

Requirement for DE MTH 112: Minimum of 20 ACT Math score and completion of Algebra II/Trig.

Requirement for DE MTH 113: Minimum of 20 ACT Math score and completion of Algebra II/Trig or completion of DE MTH 112.

Prerequisite: Algebra I, Geometry and Algebra II/Trig with a minimum grade of 80 and teacher recommendation.

Credit: 1 unit

HONORS AP/DE CALCULUS: DE MATH 125 (second semester)

Level: Grade 12

NCAA Approved Course

Advanced Diploma Approved Course

Students may choose one of 3 options when taking Calculus.

Honors Calculus: covers the concepts listed below.

AP: This course is intended for students to earn Advanced Placement credit by taking the AP Calculus AB exam. The topics covered include functions and transformations, limits and continuity, derivatives and applications, integrals and applications, differential equations and mathematical modeling. Emphasis will be placed on the problems associated with the AP exam.

DE: This course will cover precalculus concepts as a review as well as calculus concepts required for a Calculus I college course credit. Topics covered include the limit of a function; the derivative of algebraic, trigonometric, exponential and logarithmic functions; and the definite integral and its basic applications to area problems. Applications of the derivative are covered in detail, including approximations of error using differentials, maximum and minimum problems and curve sketching using calculus.

Requirement: graphing calculator (TI-84 Plus is preferred).

Requirement for DE MTH 125: Minimum of 20 ACT Math score and completion of Precalculus or completion of DE MTH 113.

Prerequisite: PreCalculus with a minimum grade of 80 and teacher recommendation.

Credit: 1 Unit (provides opportunity to earn college credit depending upon college acceptance of AP scores)

ALGEBRA WITH FINANCE

Level: Grades 12

NCAA Approved Course


Algebra with Finance is a one-credit college and career preparatory course that integrates algebra, probability and statistics, 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.

Prerequisites: Algebra I, Geometry, and Algebra II

Credit: 1 Unit

SCIENCE COURSES



SCIENCE

- **Grade 7**
Life Science
- **Grade 8**
Physical Science
- **Grade 9**
Biology I
Biology I Honors
- **Grade 10**
Physical Science
Human Anatomy and Physiology
Honors Chemistry
- **Grade 11**
Environmental Science
Forensics
Honors Chemistry
Honors Physics
AP Biology
DE Physics II
Honors Chemistry II
- **Grade 12**
Environmental Science
Forensics
Honors Physics
AP Biology
DE Physics II
Honors Chemistry II

SCIENCE 7

Level: Grade 7

The Science 7 course provides unit studies in the areas of biology and chemistry. Topics covered include cells and heredity, the Animal Kingdom, and human biology and health. Also included is a week-long field study at Dauphin Island Sea Lab.

Requirements: No fee, but students are asked to furnish certain items for some lab activities.

Prerequisite: Science 6

SCIENCE 8

Level: Grade 8

The Science 8 course provides unit studies in the areas of chemistry and physics. Topics covered include chemical interactions, motion, forces, energy, electricity, and magnetism.

Requirements: No fee, but students are asked to furnish certain items for some lab activities.

Prerequisite: Science 7

BIOLOGY I

Level: Grade 9

NCAA Approved Course

Advanced Diploma Approved Course

Biology I introduces students to key biological concepts. Topics covered include basic chemistry, biochemistry, cell structure, homeostasis, photosynthesis, cell reproduction, cellular respiration,

fundamentals of genetics, bacteria, viruses, protozoa, algae, fungi, plants, and the interdependence of living organisms. Laboratory work provides practical applications of the concepts taught.

Prerequisite: Grade 8 Science

Credit: 1 Unit (required)

BIOLOGY I HONORS

Level: Grade 9

NCAA Approved Course

Advanced Diploma Approved Course

Biology I introduces students to key biological concepts. Topics covered include basic chemistry, biochemistry, cell structure, homeostasis, photosynthesis, cell reproduction, cellular respiration, fundamentals of genetics, bacteria, viruses, protozoa, algae, fungi, plants, and the interdependence of living organisms. Laboratory work provides practical applications of the concepts taught.

Prerequisite: Grade 8 Science

Credit: 1 Unit (required)

Requirements for consideration for Honors Biology I

Students must have a 90 average in English and 85 average in 8th grade science and either an 8th grade science or English teacher recommendation..

PHYSICAL SCIENCE

Level: Grade 10-11

NCAA Approved Course

Physical Science introduces students to important concepts in chemistry and physics. Chemistry, which is covered during the first semester, provides an overview of matter and various changes it undergoes. Physics topics covered during the second semester include motion, energy, waves, and electricity. Activities that introduce laboratory techniques are an integral part of this course.

Note: Credit previously earned in Chemistry or Physics prohibits credit in this course.

Prerequisite: Biology I

Credit: 1 Unit

HUMAN ANATOMY AND PHYSIOLOGY

Level: Grades 10-12

NCAA Approved Course

Advanced Diploma Approved Course

Human Anatomy and Physiology is an advanced life science study of the structure and function of the major body systems. Emphasis is placed on tissue classification, organ structure and function, biological processes required by properly functioning systems, and major disorders that can occur in each system. Lab work includes the dissection of a mammal and selected mammalian organs.

Prerequisite: Biology I (an average of 75 for each semester in Biology I) and teacher approval

Credit: 1 unit (also fulfills Health requirement)

HONORS CHEMISTRY I

Level: Grades 10-11

NCAA Approved Course

Advanced Diploma Approved Course

The study of Chemistry provides a key understanding of the composition, properties, and changes of matter. Topics that are covered in this course include atomic structure, periodic law, chemical bonding, naming compounds, writing chemical formulas, reaction stoichiometry, gas laws, solutions, acids and bases, and reaction kinetics. Emphasis is placed on learning techniques for making laboratory investigations, critical thinking, and problem-solving. **Requirement:** Calculator
Prerequisite: Algebra II/Trig (previously or concurrently being taken) and teacher approval.
Credit: 1 unit

HONORS CHEMISTRY II (INORGANIC)

Level: Grade 11-12

NCAA Approved Course

Advanced Diploma Approved Course

This course is designed for the science or engineering major who is expected to have a strong background in mathematics. Topics in this course include measurements, nomenclature, stoichiometry, atomic structure, equations and reactions, basic concepts of thermochemistry, chemical and physical properties, bonding, molecular structure, gas laws, kinetic-molecular theory, condensed matter, solutions, colloids, chemical kinetics, chemical equilibria, acids and bases, ionic equilibria of weak electrolytes, solubility product principle, chemical thermodynamics, electrochemistry, oxidation-reduction, nuclear chemistry, atmospheric chemistry, and selected topics in descriptive chemistry.

Requirement: Calculator and laboratory time

Prerequisite: Honors Chemistry I (B average both semesters) and teacher approval

Credit: 1 unit

HONORS ORGANIC CHEMISTRY

Level: Grade 11-12

NCAA Approved Course

Advanced Diploma Approved Course

This course is designed for the student pursuing a college major in science, chemical engineering, or pre-med (such as medicine, dentistry, pharmacy, physical therapy, or veterinary medicine). Students will receive a strong foundation in Organic Chemistry, which will prepare them for work in the challenging course at the college level. Topics in this course include an in-depth study of the structure, function, and uses of alkanes, alkenes, alkynes, aromatic hydrocarbons, alcohols, phenols, aldehydes, ketones, carboxylic acids, esters, amides, amines, carbohydrates, lipids, and proteins. Nomenclature, isomerism, molecular formulas, chirality, chemical and physical properties, chemical bonding, reaction synthesis, and reaction mechanisms will also be emphasized.

Requirement: Calculator and laboratory time

Prerequisite: Honors Chemistry I (B average both semesters) and teacher approval

Credit: 1 unit

HONORS PHYSICS I (AP OPTION)

Level: Grades 11-12

NCAA Approved Course

Advanced Diploma Approved Course

Physics is an advanced physical science study offered for students planning to pursue a four-year college degree leading to a career in medicine, engineering, or other science-related fields. Topics

that are covered include mechanics, thermodynamics, wave motion, sound, and light. Emphasis is placed upon laboratory investigations, critical thinking, calculations, and problem-solving.

Requirement: Calculator

Prerequisite: PreCalculus or Algebra III/DE Statistics (previously or concurrently being taken) and teacher approval.

Credit: 1 Unit

HONORS PHYSICS II: DE PHY 2311/2312 + PHY 2111/2112 (LAB)

Level: Grade 12

NCAA Approved Course

Advanced Diploma Approved Course

General Physics I and II with Calculus I with Laboratory

Course Description: This course provides a calculus-based treatment of the principal subdivisions of classical physics, mechanics, and energy. The second semester of the course provides a calculus-based treatment of classical physics with a focus on harmonic motion, waves, light, optics, electricity and magnetism. Lab is required.

Requirement: Calculator

Prerequisite: Honors Physics I and teacher approval/**Corequisite:** Calculus

Credit: 1 Unit

AP BIOLOGY

Level: Grades 11-12

NCAA Approved Course

Advanced Diploma Approved Course

The AP Biology course is designed to enable you to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The key concepts and related content that define the revised AP Biology course and exam are organized around a few underlying principles called the big ideas, which encompass the core scientific principles, theories and processes governing living organisms and biological systems.

Requirement: Must take AP Biology exam. Approximate cost is \$91.

Prerequisite: Biology (an average of 90 each semester) and Honors Chemistry I (an average of 85 for each semester). Teacher approval is required.

Credit: 1 Unit (provides opportunity to earn college credit depending upon college acceptance of AP scores)

ENVIRONMENTAL SCIENCE

Level: Grades 11-12

NCAA Approved Course

Environmental Science is a lab-based science course based on the Earth and human activity. Topics covered in this course include natural resources, natural hazards, human impact on Earth systems, and global climate change. This course incorporates the scientific and engineering practices reflecting the scientific processes used in science, technology, engineering, and mathematics (STEM) fields. The Environmental Science content standards provide a depth of conceptual understanding to adequately prepare students for college, career, and citizenship with an appropriate level of scientific literacy. This course will be offered every other year, alternating with Forensic Science.

Prerequisite: Biology I and a physical science

Credit: 1 Unit

FORENSIC SCIENCE

Level: Grades 11-12

NCAA Approved Course

Forensic Science is designed to explore the science of crime-scene analysis with real-life application of Biology, Chemistry, and Physics. The course will include a focus on solving high-level problems, crime-scene management, fingerprint collection and analysis, forensic anthropology, forensic odontology, forensic pathology, and blood splatter analysis.

This course will be offered every other year, alternating with Environmental Science.

Prerequisite: Biology I and a physical science

Credit: 1 Unit

SOCIAL SCIENCE (HISTORY) COURSES

SOCIAL SCIENCE (HISTORY)



- **Social Studies 7**
Grade 7
- **World History I:**
Beginning of the Civilization 1500
Grade 8
- **World History II: 1500- Present**
Grade 9
- **US History I:**
Early America-WWI or OR
Honors US History I: Early American -
WWI
Grade 10
- **U.S. History II: WWI- Present OR**
DE/Honors U.S. History II
Grade 11
- **Government/Economics**
Grade 12

SOCIAL STUDIES 7

Level: Grade 7

Students study world geography using a thematic approach. They focus on Earth as the subject matter that involves people, places, and environments and learn that geography seeks meaning in spatial patterns and processes that involve asking questions regarding where and why. The teacher will select particular continents, countries, and regions to provide the geographic framework for classroom instruction and investigation.

The civics content is embedded through the course and addresses content regarding democracy, liberty, law, personal economics, and local, state, and national civic responsibility. This course provides students with information about how society works, including the role students play in the community and in the world.

Prerequisite: Social Science 6

WORLD HISTORY I

Level: Grade 8

The study of world history in Grade 8 addresses the time period from prehistoric man to the 1500s. Content standards for this grade incorporate the strands of economics, geography, history, and political science, with an emphasis on the history and geography strands. Course content focuses on the migrations of early people, the rise of civilizations, the establishment of governments and religions, the growth of economic systems, and how these events shaped Europe, Asia, Africa, and the

Americas. Unique to this course are experiences that provide for the study of how human beings view themselves over time.

Prerequisite: Social Science 7

WORLD HISTORY II: 1500-PRESENT

Level: Grade 9

NCAA Approved Course

Advanced Diploma Approved Course

The course directs students to think critically about the forces that combined to shape the world today. It allows them to analyze development and changes in the European, Asian, African, and American civilizations in ways in which interactions of these cultures have influenced the formation of today's world. Knowledge of other cultures enables students to develop a better appreciation for the unique American heritage of liberty. Geographic concepts increase learners' comprehension of global connections as they expand their knowledge and understanding of a wide variety of cultures, both historical and contemporary.

Prerequisite: Social Science 8.

Credit: 1 Unit (required)

US HISTORY I: EARLY AMERICA TO WWI

Level: Grade 10

NCAA Approved Course

The study of the early history of the United States in Grade 10 forms the foundation for understanding the development and principles of modern American society. Beginning with the earliest explorations of American continents, this course offers a chronological study of major events, issues, movements, individuals, and diverse groups of people in the United States from a national and an Alabama perspective. In addition to gaining essential knowledge regarding this period of our nation's past, students develop historical-thinking skills, which include chronological thinking, historical comprehension, historical analysis and interpretation, historical research, and analysis and decision making.

Prerequisite: Social Science 9.

Credit: 1 Unit (required)

HONORS US HISTORY I: EARLY AMERICA TO WWI

Level: Grade 10

NCAA Approved Course

Advanced Diploma Approved Course

The study of the early history of the United States in Grade 10 forms the foundation for understanding the development and principles of modern American society. Beginning with the earliest explorations of American continents, this course offers a chronological study of major events, issues, movements, individuals, and diverse groups of people in the United States from a national and an Alabama perspective. In addition to gaining essential knowledge regarding this period of our nation's past, students develop historical-thinking skills, which include chronological thinking, historical comprehension, historical analysis and interpretation, historical research, and analysis and decision making.

Prerequisite: Social Studies 9

Eligibility Requirements for Honors US History I

Students will work on critical thinking and writing skills through the use of primary sources. Honors US History I will prepare students for Dual Enrollment US History II in the 11th grade.

Requirements for consideration for Honors US History I

1. Maintained an 85% average in English 9 Honors or a 90% average in English 9. 2. 85% or higher in World History II

Credit: 1 Unit (required)

US HISTORY II: WWI-PRESENT

Level: Grade 11

NCAA Approved Course

This course builds upon the foundation of knowledge and skills gained in Grade 10 by providing a study of the modern history of the United States that expands students' understanding of the principles of American society. Beginning with America's shift to a more industrialized society, this course offers a chronological study through the twenty-first century of major events, issues, movements, individuals, and diverse groups of people in the United States from a national and an Alabama perspective.

Prerequisite: Social Science 10

Credit: 1 unit (required)

HONORS/DE U.S. HISTORY II

Level: Grade 11

NCAA Approved Course

Advanced Diploma Approved Course

This course is two semesters of college level history. The college credit is serviced through Faulkner University. The description of each semester is as follows:

HY1301 Survey of United States History to 1877 (Offered 1st semester)

A college level study of the development of the U.S. from the colonial period to the Civil War. This course will receive 3 hours of college credit from Faulkner University with the completion of the course with a C average or higher along with satisfying Madison Academy's requirements.

HY1302 Survey of United States History from 1877 to Present (Offered 2nd semester)

A study of the development of modern America from the Civil War to the present. This course will receive 3 hours of college credit from Faulkner University with the completion of the course with a C average or higher along with satisfying Madison Academy's requirements. (Prerequisite completion of HY1301)

Requirements: a minimum GPA of 3.0 OR a 22 or higher composite score on the ACT (or equivalent placement score)

Prerequisite: Social Science 10

Credit: 1 unit

U.S. GOVERNMENT/ECONOMICS

Level: Grade 12

NCAA Approved Course

Advanced Diploma Approved Course

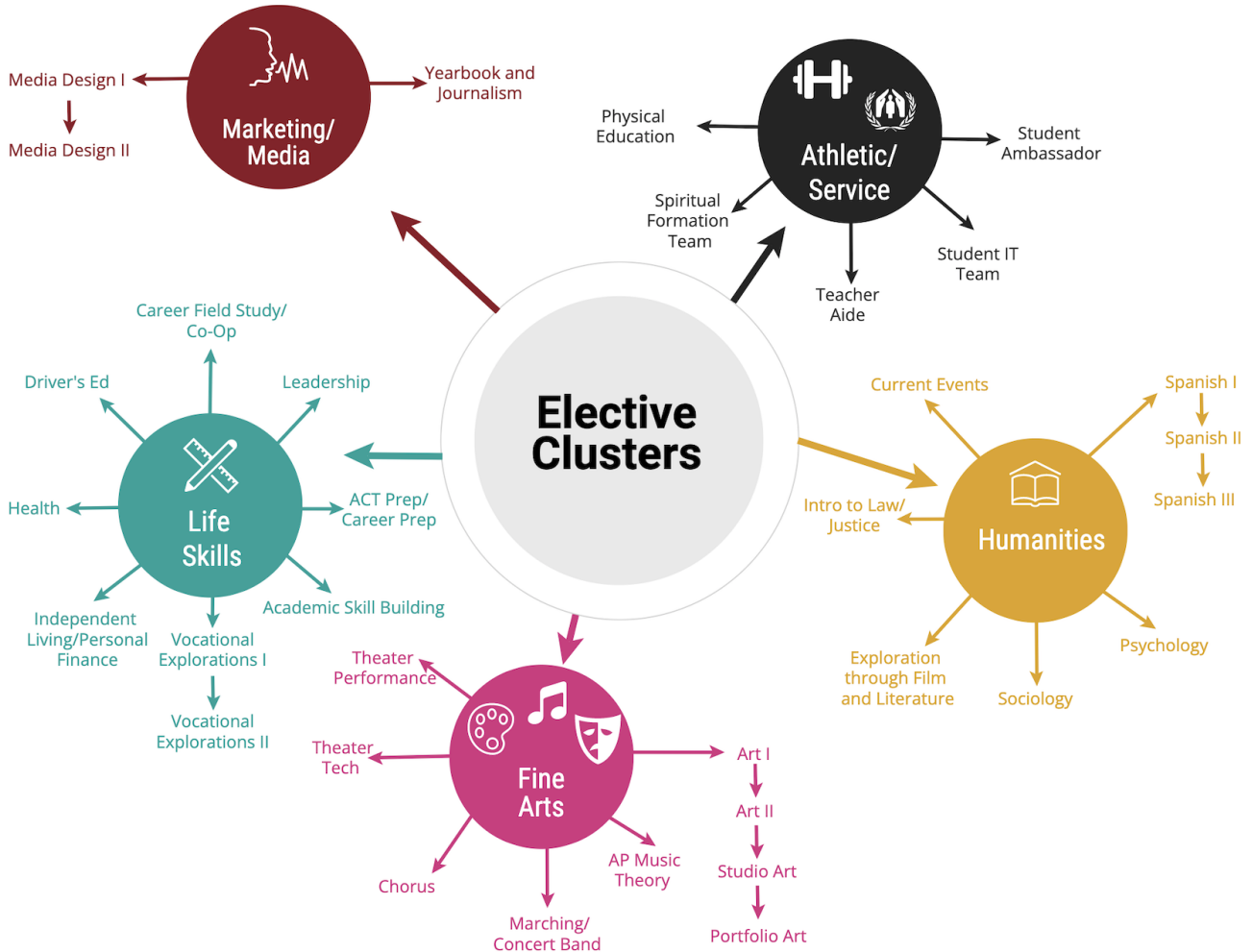
In this course students gain an understanding of the workings of government at all levels and an appreciation of what it means to be a United States citizen. Major topics covered include representative democracy, branches of government, federalism, and civic responsibilities. Students

are also provided with a broad knowledge of the U.S. economic system. The stock market, banking system, individual budgets, and many areas that are beneficial in analyzing current economic issues are covered.

Prerequisite: Social Science 11

Credit: 1 Unit (required)

ELECTIVES



FINE ARTS - VISUAL ARTS

FINE ARTS: VISUAL ARTS

- Art 7-8
- Art I
- Art II
- Studio Art
- Portfolio Art
- Art 2D AP



ART 7-8

Level: Grades 7-8

Middle School Art

Middle School Art will be a review and refinement of experiences of Middle School Art 6. Students will explore elements and principles of visual arts through the understanding and application of various media, techniques and processes. Using hands-on activities students will increase their potential to think creatively, solve problems and communicate ideas, feelings and experiences in two and three-dimensional works involving both fine and applied forms. Students will study perspective, concentrating on size, overlapping, composition and balance. Drawing will continue to be emphasized with attention being focused on light and shading. Students will experience and study visual images from various cultures, historical times, and discuss the characteristics of these images as they pertain to their own works and the works of others. Students will identify similar vocabulary and concepts among the art disciplines.

Prerequisite: None

Credit: None

ART I

Level: Grades 9-12

Units of instruction in this course include drawing, painting, printmaking, graphic design, mixed media, color theory and general survey of art history. A wide variety of instructional materials and approaches are applied to specific problems within each unit. Emphasis is placed on the development of the individual's skill and expression enhancing the potential to provide the world with creative, innovative thinking in all walks of life.

Prerequisite: None

Credit: 1 Unit

ART II

Level: Grades 10-12

This course focuses on the further development of the foundational skills. Awareness concepts are enriched in concentrated units of study in drawing, painting, printmaking, graphic design, applied color theory, mixed media, and art heritage. An expanded variety of instructional materials and methods are used to promote individual techniques and personal expression. Continued emphasis is placed on visual thinking skills and evaluative processes which lead students to responsible value judgments in art that will carry over to all areas of life.

Prerequisite: Art I

Credit: 1 Unit

STUDIO ART

Level: Grades 11-12

Advanced units of study are pursued according to specific individual interests. The units are based on past experiences and the development of personal skills and awareness with in-depth exploration stressing higher quality of work in all media. Students demonstrating a high level of performance and self-motivation are provided with the opportunity to plan their own course of study specifying materials, techniques, subject matter with minimum guidance from the instructor.

Prerequisites: Art I, Art II, and Instructor approval.

Credit: 1 Unit

PORTFOLIO ART (AP OPTION)

Level: Grade 12

This is an advanced course for the serious-minded art student. Students will develop a portfolio of expressive works that demonstrate quality, concentration, and breadth of personal expression in one or more of the following areas: Drawing, Painting, and Mixed Media. Career options and colleges are discussed as part of the course.

Prerequisite: Art I and Art II and teacher approval

Credit: 1 Unit

FINE ARTS - PERFORMING ARTS



FINE ARTS: PERFORMING ARTS

- **Theatre:**
 - Middle School
 - High School Performance
 - High School Technical
- **Band:**
 - Middle School
 - Marching Band/Concert (Grade 8 - 12)
- **Chorus:**
 - Middle School
 - High School
- **Band/Chorus:**
 - AP Music Theory

BAND 7

Level: Grade 7

7th grade band is designed as a musical transition period for students who have participated in 6th grade band, and an accelerated opportunity for late beginners to improve their musical skills.

Requirements: Participation in the Winter Concert and Spring Concert.

Prerequisite: Musical experience and teacher approval required

MARCHING/CONCERT BAND

Level: Grades 8-12

8th-12th grade band begins with a focus on marching and pep tunes, and then transitions to concert literature that is performed at the Christmas and Spring concerts. Students work toward developing and maturing musicianship. Participation in marching band is not required.

Note: Participation in one semester of Marching Band fulfills 1/2 credit of the P.E. graduation requirement for grades 9-12.

Requirements: Participation at summer band camp, football games, contests, parades, district festivals, Winter Concert and Spring Concert

Prerequisites: Musical experience and teacher approval required

Credit: 1 Unit for grades 9-12, No credit for grade 8

AP MUSIC THEORY

Levels 10-12

The AP Music Theory course corresponds to one-to-two semesters of typical, introductory college music theory coursework that covers topics such as musicianship, theory, and musical materials and procedures. Musicianship skills, including dictation and listening skills, sight singing, and harmony, are an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. The development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized.

Prerequisites: Students should be able to read and write basic musical notation and have basic performance skills with voice or an instrument.

CHORUS 7-8

Level: Grades 7-8

The Chorus is a mixed choir consisting of development of vocal ability and skill in performing a variety of pieces of music, including a cappella selections. A concert schedule and participation in various assessments and festivals sponsored by the Alabama Vocal Association requires a time commitment that is in addition to the time spent in class. An evening concert is performed in winter and spring to provide a showcase of talent. Students are especially encouraged (but not required) to audition for the Alabama All-State Chorus.

Requirements: Participation in the Winter Concert, Spring Concert, Christian High School Choral Festival, State Choral Performance Assessment.

Prerequisite: None

CHORUS 9-12

Level: Grades 9-12

The Chorus is a mixed choir consisting of development of vocal ability and skill in performing a variety of pieces of music, including a cappella selections. A concert schedule and participation in various assessments and festivals sponsored by the Alabama Vocal Association requires a time commitment that is in addition to the time spent in class. An evening concert is performed in winter and spring to provide a showcase of talent. Students are especially encouraged (but not required) to audition for the Alabama All-State Chorus.

Requirements: Participation in the Winter Concert, Spring Concert, Christian High School Choral Festival, State Choral Performance Assessment.

Prerequisite: None

Credit: 1 Unit

DRAMA 7-8

Level: Grades 7-8

During this **performance based** course, students will be introduced to theater history and appreciation, improvisation, theater tech (such as lights, sound, costumes, makeup, sets and props), and an understanding of various acting techniques. Drama offers the chance to experience the

excitement and rewards of theater arts while developing problem-solving skills, collaboration and social skills, and confidence. Students will get an opportunity to perform in the fall and spring class plays, or run tech for shows and our biweekly Gatherings. No auditions required.

Prerequisite: None

THEATER: PERFORMANCE

Level: Grades 9-12

This is a **performance-based course** and is designed to develop and strengthen skills in ensemble work, movement, vocal articulation and projection, play analysis, and scene work, with an emphasis on character development. Students will gain confidence in improvisation, audition skills, and preparation for theatrical college/career paths. Students will also have the option to participate in Technical Theater positions (lights, sound, sets, makeup and costumes). Though not required, it will be highly encouraged to participate in the Alabama Conference of Theater's High School Trumbauer Festival in the Fall. Second semester, students will be required to run tech and/or perform in the class play. NO auditions required.

Prerequisite: None

Credit: 1 Unit

TECHNICAL THEATER PRODUCTION

Level: Grades 9-12

During this course, students will participate in theatrical set, lighting, sound, makeup, and costume design. Students will have the opportunity to learn production positions such as Show Producer, Technical Director, Stage Manager and Marketing Agent which develops and improves leadership skills and provides work and volunteer experience for college resumes. This class will be responsible for design and construction of Madison Academy's spring musical and other performance events; as well as all Performance Center and Outdoor Amphitheater technical needs (ie. running Madison Academy's biweekly Gatherings).

Prerequisite: None

Credit: 1 Unit

ELECTIVES

- **Marketing and Media**
 - Yearbook and Journalism
 - Media Design I and II
- **Life Skills**
 - Career Field Study/Co-Op
 - Driver's Education
 - Health
 - Independent Living
 - Personal Finance
 - Vocational Explorations I and II
 - Academic Skill Building
 - ACT Prep / Career Prep
 - Leadership
- **Humanities**
 - Current Events
 - Introduction to Justice and Law
 - Exploration through Film & Literature
 - Sociology
 - Psychology
 - Spanish I - III
- **Athletics**
 - Physical Education
 - L.I.F.E. PE



MARKETING AND MEDIA

MEDIA DESIGN I

Level: Grades 10-12

This course is designed to introduce students to the principles of graphic design through the use of multimedia and social media applications. The application of these tools will teach students marketing strategies to promote Madison Academy in the areas of Sports and Entertainment. Successful projects may even be used in the production of real world services for community partners.

Instructional areas will include: An orientation to the Sports and Entertainment industry, career opportunities, decision making, media protocol, digital citizenship, social media promotions, computer graphics creation, and branding.

Classroom instruction will be reinforced through the use of computer design programs, social media, possible field trip experiences, projects, and discussions.

Credit: 1 Unit (elective)

MEDIA DESIGN II

Level: Grades 11-12

This second-year course is designed to further develop advanced level marketing design skills, while students take a more active role in promoting Madison Academy's academic, athletic, fine arts, and extracurricular programs through social media and print platforms. **Students will gain a more in-depth familiarity and be expected to contribute in the following areas:** Problem-solving and decision making skills sets, media protocol, digital citizenship, social media promotions, computer graphics creation, and branding.

Students will learn through hands-on experiences/projects, social media, and guest speakers.
*Purchase of a digital license for Adobe Photoshop may be required for enrollment in the course.

Prerequisite: Media Design I

Credit: 1 Unit (elective)

YEARBOOK and JOURNALISM

Level: Grades 9-12

The Yearbook and Journalism class produces a journalistic yearbook (*The Oracle*) for the school that serves as a memory, history record, and reference book. The students learn concept design, writing, and photography with the latest technology. Students will also be exposed to a variety of print and digital journalism. Growth in personal responsibility and creativity is also emphasized. Proficiency in English and interest in learning eDesign required.

Prerequisite: Instructor approval

Credit: 1 Unit

ATHLETIC ELECTIVES

Physical Education

Level: Grades 7-8

This course begins the development of the more advanced movements and skills that are cornerstones of physical development. Students will learn strong technical skills in a wide variety of movements including, but not limited to, bracing, bending, pushing, pulling, lifting, twisting, throwing, jumping, landing, running. This course is required for grades 7-8.

Requirement: Exercise clothing (Athletic shoes, pants/shorts, and shirt)

Prerequisite: None

L.I.F.E. PE

Level: Grades 9-12

Lifelong Individualized Fitness Education, or LIFE, provides balanced instruction in fitness and conditioning for cardiovascular health, muscular tone and strength, flexibility, and agility. Students will begin strength training to increase their ability to produce, absorb, stabilize, and redirect force. Students will also be challenged to increase their endurance in both aerobic and anaerobic conditioning. This course is based on principles of strength and conditioning with a holistic approach to physical development. This class takes a “slow-cook” approach to create lasting physical adaptations that promote lifelong health and wellness. The course is offered to both girls and boys separately.

Requirement: Exercise clothing (Athletic shoes, pants/shorts, and shirt)

Prerequisite: None

Credit: 1 unit (Fulfills one credit of PE required for graduation)

HUMANITIES

SPANISH I

Level: Grades 9-12

NCAA Approved Course

Advanced Diploma Approved Course

This course provides an introduction to the Spanish language and Hispanic culture. Students learn the basic skills of reading, writing, listening, and speaking. The acquisition of vocabulary is emphasized.

Prerequisite: An overall B average is recommended, especially in English.

Credit: 1 Unit

SPANISH II

LEVEL: GRADES 10-12

NCAA Approved Course

Advanced Diploma Approved Course

Spanish II is a continuation of concepts introduced in Spanish I. Students build on vocabulary and learn more advanced grammar. Emphasis is placed on reading, speaking, writing, and listening comprehension.

Prerequisite: Spanish I (an average of 75 or above in Spanish I is recommended)

Credit: 1 Unit (Spanish I/II satisfy an Advanced Academic Diploma requirement)

SPANISH III

Level: Grades 11-12

NCAA Approved Course

Advanced Diploma Approved Course

Spanish III continues to move students from a comprehension level to a more fluent use of the Spanish language. This course consists of speaking, reading, and writing Spanish using various video series and related textbooks. Students will be eligible to participate in the CLEP exam earning up to 6 hours of college credit pending their individual score.

Prerequisites: Spanish I and II

Credit: 1 Unit

CURRENT EVENTS

Level: Grades 10-12

This course is designed to provide students with the opportunity to discuss, understand, and explore local, national, international, political, economic and social issues in a respectful, meaningful, and active way. Throughout the year, students will stay up to date on current issues and trends. Because the subject of this class is “contemporary,” topics will vary considerably depending on the current news cycle. Students will be challenged to defend their opinions on many different issues. The class will consist of research, lecture, group work, reading, and writing assignments. This class could provide great help for any History class! We will be looking at a variety of viewpoints and topics, but add a Biblical perspective to what is going on in the world around us.

Prerequisite: None

Credit: 1 Unit (elective)

PSYCHOLOGY

Level: Grades 10-12

NCAA Approved Course

In this course students will explore various facets of human behavior. Topics will focus on biological, environmental, and social factors that influence personality, intelligence, learning, perceptions, emotions and motivation.

Credit: 1 Unit (elective)

SOCIOLOGY

Level: Grades 10-12

NCAA Approved Course

Sociology (with Ethics): Sociology will be a study of society and culture. The class will examine and study multiple cultures and determine what creates a culture and its characteristics. The ultimate goal of this course is to show students what other lives are like outside of their own culture AND to understand why their own cultures developed as they did. Also, students will examine traditional beliefs about specific cultures to be able to better evaluate their own culture and beliefs. Ethics will introduce the principles of logic, including inductive and deductive methods of reasoning, and will raise students' awareness of fallacies concerning both secular and religious current issues. Students will examine the world in which they live and develop ethical positions based on sound evidence. Various systems of conduct that oppose ethical behavior will be evaluated in an effort to understand the need to employ ethical standards in all facets of our civic life: family, school, business, and government.

Prerequisite: None

Credit: 1 unit (elective)

INTRODUCTION TO LAW AND JUSTICE

Level: Grades 10-12

NCAA Approved Course

This class is good for anyone interested in a law or business major/career. The year long class will work from a book, *A Course in Practical Law*. We will introduce the legal system and will study criminal law, liability, consumer law, family law, and the rights and liberties. Case studies will provide practical application. A field trip to a courtroom and guest speakers from the field are part of the curriculum.

Credit: 1 Unit (elective)

EXPLORATION THROUGH FILM AND LITERATURE

Level: Grades 10-12

Dive into history through iconic non-fiction cinematic and literary works. Experience actual historical events brought to life as only novels and movies can do. This elective course will both expose students to and hone their understanding of critical historical events as well as their appreciation for non-fiction based literature. Class discussion and constructive review of featured material will provide students with opportunities to cultivate writing, listening, speaking and presentation skills. This course does not qualify as a Social Studies elective.

Prerequisite: None

Credit: 1 Unit

LIFE SKILLS

DRIVER'S EDUCATION

Level: Grades 9-10

Driver's Education is a one-semester program consisting of classroom instruction and behind-the-wheel training offered to all eligible students. MA Driver's Education is designed to prepare our students for a lifelong skill that greatly enhances their quality of life. The goal of MA Driver's Education is to provide each student driver the psychomotor skills and mental attitudes required to become the most competent, skillful, responsible driver possible. The program is offered each semester at MA upper school campus. To be eligible to enroll, a student must meet the following requirements:

- Turn 15 years old by the end of the first quarter of the semester enrolled and also obtain a Learner's Permit by the end of the first quarter of the semester enrolled
- Not had Driver's Education before.
- Agree to comply with the MA Code of Conduct.

A proficiency test may be offered to students who are at least 16 years of age or who have transferred from another state and possess a valid level one graduated driver license (GDL). If, for any reason, the instructor deems the student unsafe or intentionally disrespectful, the student will be removed from the program immediately. If a student is removed from the program for disciplinary reasons or withdraws from the class, the student must make arrangements to complete training through a commercially-licensed school at his/her own expense.

Prerequisite: None

Credit: 1/2 Unit

HEALTH

Level: Grades 9-10

This one-semester course encompasses a variety of issues that are relevant to maintaining health and wellness in the contemporary world. Topics include nutrition, stress, exercise, substance abuse, home safety, CPR, first aid, personal management, and disease prevention. This course is paired with Driver's Ed.

Prerequisite: None

Credit: 1/2 Unit (fulfills health requirement for students electing not to take Human Physiology; does not fulfill a credit requirement in science)

LEADERSHIP

Level: Grades 9-12

This course is designed to build leaders by addressing specific objectives: understanding and working with different leadership styles, problem-solving, collaborating, developing healthy habits, and learning the skill of positive reinforcement. The curriculum combines images, relatable stories, and experiences that resonate with today's young adults, equipping them to navigate through life's challenges and opportunities.

Prerequisite: None

Credit: 1 Unit

ACADEMIC SKILL BUILDING

Level: Grades 10-12

This non-credit course is designed for students to enhance their academic skills within the scope of the school day. Students will learn executive functioning skills and apply them in real time to current coursework and extracurricular demands. Structured time will be allocated to complete class work, better prepare for exams, and receive extra assistance from the teacher in areas where it is needed. Students are expected to be on task during this class. Students will work to meet measurable goals and also stay organized and remain in good academic standing in their classes.

Prerequisite: None

Credit: No Credit

ACT PREP/CAREER PREP B

Level: Grades 10-12

ACT PREP: This course is designed to prepare students for acceptance into college and for success in their future academic and professional careers. For one semester, students will work to score adequately on their ACT test and/or to raise their ACT score to a higher level. With renewed emphasis at the local, state, and national levels to improve test scores, ACT Prep is a course that was created to improve those scores. The students receive intensive instruction in English, Math, Reading, and Science. Work will be done mostly using written material from a variety of publishers that produce ACT Prep practice books. Test-taking strategies will be taught and emphasis will also be placed on time management during the ACT test.

CAREER PREP B: This one semester course is designed to prepare students for college admissions, scholarship essays, college planning and preparing personal resumes. Students will explore career fields and academic pathways to better prepare them for career choices. In addition, students will learn financial literacy, including principles of budgeting for financial independence.

Prerequisites: None (Each student is encouraged to have taken the ACT at least once prior to enrolling in this class.)

Credit: 1 Unit (elective)

INDEPENDENT LIVING/PERSONAL FINANCE

Level: Grades 11-12

Independent Living is a one-semester course that focuses on the basic skills that students will need after high school. Topics include the following: managing finances and daily living responsibilities, appropriate job skills, apartment shopping, online safety, personal safety, basic cooking and menu planning, and survival skills. Personal finance is a one-semester course designed to help students understand income, money management, spending and credit, as well as saving and investing. In addition it will prepare students to think about their own finances and real world financial dilemmas.

Prerequisite: None

Credit: 1/2 Unit Per Semester (elective)

CO-OPERATIVE EDUCATION/CAREER FIELD STUDY

Level: Grade 12

Our Work-Based Learning Program combines traditional academics with practical, work-based knowledge gained outside the classroom. Students graduate from Madison Academy with a transcript and a resume that demonstrates their valuable academic and employment skills to colleges and future employers. Students may choose from two options:

In the **Career Field Study** Program, students are able to participate in internships where the goal is for the student to learn about careers they are interested in pursuing. Students are not paid while participating in the Career Field Study Program. Students must intern 60 hours per semester and will receive 0.5 credit per semester. Students must be in good academic standing with an excellent attendance record.

In the **Cooperative Education** Program, students are allowed to work outside of school for financial gain. Students must maintain continuous employment throughout the semester that they participate in this program. No credit is awarded for the Co-Op Program.

Note: Each course may be taken for two semesters or may be paired with one semester of Student Aide.

Prerequisite: None, but students cannot be in a sport in the same semester as the class.

Credit: 1/2 Unit per semester for Career Field Study. No credit for Co-Op.

SERVICE ELECTIVES

STUDENT AMBASSADOR

Level: Grades 10-12

The position of Student Ambassador will be awarded to students who best exhibit the qualities of the well-rounded student: spiritually- and academically-grounded, diligent, articulate, enthusiastic, personable, and highly-involved in student activities such as athletics, clubs, and service organizations. Student Ambassadors will be trained in the art of public relations; will serve as tour guides for prospective students; and will represent MA at various school and community events. Students who want to be considered for this position must submit an application and schedule an interview.

Prerequisite: Administrator Approval

Credit: 1 Unit

STUDENT SPIRITUAL FORMATION TEAM

Level: Grades 10-12

The Student Spiritual Formation Team is a mix-gendered elective class open to Juniors and Seniors. The class will plan and lead the Gatherings (HS, MS, ES) for the entire school year, engage in outreach and service opportunities on and off campus, and learn practical lessons on discipleship. Students signing up for this class will be expected to have made a commitment to be a follower of Jesus, to have the capacity to work in a team setting, and to lead publicly after coaching from the instructor. Seniors who are on the Spiritual Formation Team as Juniors can take this course as their Senior Bible credit.

Prerequisite: Instructor Approval

Credit: 1 Unit

STUDENT TEACHER AIDE

Level: Grade 12

Student Aide provides opportunities for a limited number of qualified students to gain hands-on experience in assisting the professional staff with clerical and managerial tasks.

Requirement: Student maturity and dependability

Prerequisite: Administrator approval

Credit: 1 Unit

STUDENT IT TEAM

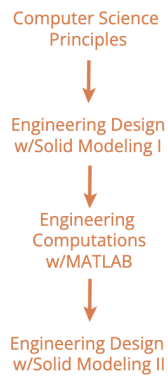
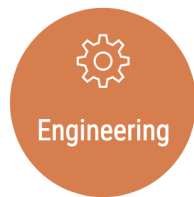
Level: Grades 10-12

The Student IT Team is a select group of students assigned to assist in the IT Office. Student duties will include: Device Repair, Classroom Technology Troubleshooting, General IT Support. Students will receive quarterly grades based on work performance, participation, attitude, and attendance.

Prerequisite: Student Application, Interview with IT Staff, and Administrative Approval

Credit: 1 Unit per year

PATHWAYS OF DISTINCTION



MUSTANG MEDICAL

MUSTANG MEDICAL **see requirements*

- Foundations of Health Science
- Fundamentals of Sports Medicine
- Therapeutics
- Human Anatomy and Physiology
(Required Science)
- Internships:
Health Science and Sports Medicine



FOUNDATIONS OF HEALTH SCIENCE

Level: Grades 9-11

Foundations of Health Science is a one credit course that introduces students to the basic concepts needed to pursue a career in healthcare. This is the first class along the Health Science Pathway and will focus on building the foundation required to be successful in subsequent coursework. The course will combine academics with hands-on skills to reinforce learning in a simulated workplace. **This course is required to apply for the Health Science Internship.**

Prerequisite/Corequisite: None

Credit: 1 Unit (elective, does not fulfill a credit requirement in science)

FUNDAMENTALS OF SPORTS MEDICINE

Level: Grades 10-11

In this course, students will learn about several different medical fields, including sports medicine, general medicine, orthopedics, ophthalmology, dermatology, physical therapy, nutrition, podiatry, and dentistry. Students will also learn how to prevent athletic injuries and illnesses from occurring, as well as, how to provide first aid and medical care to a wide variety of athletic illnesses and injuries.

This course is required to apply for the Sports Medicine Internship.

Prerequisite: Biology 1

Credit: 1 Unit (elective, does not fulfill a credit requirement in science)

THERAPEUTIC SERVICES

(11th Grade FOUNDATIONS OF HEALTH SCIENCE 2023-2024)

Level: Grade 11

Therapeutic Services is a one credit course that reinforces the working knowledge learned in previous pathway courses and introduces students to the concept of patient assessment and treatment commonly found in medical practice. The course will expand on simulated workplace learning to prepare students to actively participate in various clinical settings during their senior year.

Prerequisite/Corequisite: Foundations of Health Science, Human Anatomy & Physiology

Credit: 1 Unit (elective, does not fulfill a credit requirement in science)

HEALTH SCIENCE INTERNSHIP

Level: Grade 12

Health Science Internship is a double block course that builds upon the knowledge acquired in previous pathway courses to provide students with the opportunity to intern at various clinical sites throughout the community. The experiences gained through this course will help students to prepare for postsecondary health care educational programs. The approval to enroll in the course may be authorized by the administration.

Prerequisites: Foundations of Health Science and Human Anatomy and Physiology

Recommended: Therapeutic Services and Honors Chemistry

Credit: 2 Units (elective, does not fulfill a credit requirement in science)

SPORTS MEDICINE INTERNSHIP

Level: Grade 12

Sports Medicine Internship is a course that is designed to build upon the knowledge acquired in the Fundamentals of Sports Medicine. This course provides students the opportunity to learn content at a deeper level and also intern in athletics within the school in a variety of settings. The experience gained through this course will help students prepare for postsecondary sports medicine programs. This internship will equip students with the skills necessary for a physical therapy technician/aide position.

Prerequisites: Fundamentals of Sports Medicine and Human Anatomy and Physiology

Credit: 1 Unit (elective, does not fulfill a credit requirement in science)

‘EDEN’ ENGINEERING



EDEN ENGINEERING

Not following the recommended math and science track does not exclude students from taking engineering electives. It is recommended to discuss preparedness for these electives with previous teachers and teachers of engineering.

	Math*	Science*	Eden Electives
9th	Geometry	Biology	Engineering Design with Modeling I
10th	Algebra II/ Trigonometry	Chemistry	Computer Science Principles
11th	Pre-Calculus	Physics Honors or AP	Engineering Design with Modeling II
12th	Calculus	Physics II or Chemistry II	Engineering Computations w/ MATLAB

COMPUTER SCIENCE PRINCIPLES

Level: Grades 9-12

Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of programming so all students understand how these concepts are transforming the world we live in.

Prerequisite: None

Credit: 1 Unit

Offered Alternating Years

ENGINEERING DESIGN W/SOLID MODELING I

Level: Grades 9-12

Three-dimensional modeling software has changed how quickly designers can move from idea to a functioning prototype. These software tools have also impacted the designer’s ability to communicate ideas to others. Introduction to Solid Modeling & Engineering Design teaches students how to create 3D models of parts and mechanisms using SolidWorks, an industry-standard computer-aided design (CAD) program. Students will learn concepts that are commonly taught in the first year of a collegiate engineering curriculum.

Prerequisite: None

Credit: 1 Unit

Offered Alternating Years

ENGINEERING DESIGN W/SOLID MODELING II

Level: Grades 11-12

Engineering Design w/ Solid Modeling II builds on the concepts taught in its prerequisite course, Engineering Design w/ Solid Modeling I. This two-course sequence is designed to prepare students to take the Certified SolidWorks Associate – Academic Exam to earn the first level of certification in SolidWorks. Students will be required to apply what they learned in the first course as they study additional concepts that are also commonly taught in the first year of a collegiate engineering curriculum.

Prerequisite: Engineering Design w/ Solid Modeling I

Credit: 1 Unit

Offered Alternating Years

INTRODUCTION TO ENGINEERING COMPUTATIONS WITH MATLAB

Level: Grades 11-12

Every engineering discipline is being transformed by the ability to put computers anywhere and interconnect them (Internet of Things). Engineers must have at least a basic understanding of computer programming and the impact that computers have on design solutions. Introduction to Engineering Computations with MATLAB teaches computer programming with the same programming language used in colleges of engineering around the country. Students will learn fundamental programming logic and structures that are taught in the first year of a collegiate engineering curriculum.

Prerequisite: Computer Science Principles and Instructor Approval

Credit: 1 Unit

Offered Alternating Years

VOCATIONAL CAPSTONE

VOCATIONAL CAPSTONE

- Career and Vocational Explorations I
- Career and Vocational Explorations II
- Vocational Capstone



CAREER AND VOCATIONAL EXPLORATIONS I

Level: Grades 10-12

This course is a hands-on exploration of students' career options. Through personal reflection, field experiences, and professional visits, students will gain an understanding of their likes and dislikes, strengths and weaknesses, career choices, and ways to achieve their goals. Professionals in fields such as medicine, law, law enforcement, military, and trade come in to explain the requirements to begin their careers and show students a real-life view of what they do daily. The class also visits job sites to see firsthand what these careers look like.

Prerequisite: None

Credit: 1 Unit

CAREER AND VOCATIONAL EXPLORATIONS II

Level: Grades 11-12

This course is a more in-depth analysis of a student's vocational abilities and desires. Students will undergo career assessments and work closely with postgraduate entities to determine a personal path to becoming a productive contributor within the community. Students will gain a wider knowledge of professions available in the greater Huntsville region. Completion of this course is required for entrance into the capstone program.

Prerequisite: Career and Vocational Explorations I

Credit: 1 Unit

VOCATIONAL CAPSTONE *Offered 2024-2025

Level: Grade 12

This program is designed to specifically meet the needs of students seeking certifications and licensures. Through partnerships with trade schools, organizations, and universities, students are given the opportunity to become licensed and/or certified in industry specific fields that will allow them to become eligible for employment upon graduation from Madison Academy. Courses taken under this program are not eligible for dual enrollment credit.

Prerequisite: Career and Vocational Explorations I and Career and Vocational Explorations II

Credit: No Credit

MIDDLE SCHOOL ENRICHMENT WHEEL & ELECTIVES

7th Grade Wheel - Subject to Change

Keyboarding/Speech - In order to be successfully prepared for high school assignments, keyboarding is designed as an opportunity to learn proper touch-type techniques, as well as increase speed and accuracy. Additionally, this course will introduce students to key styles of public speaking. Research skills will be taught in preparation for performance assignments that will require students to demonstrate proficiency in the classroom setting.

STEM - This course is designed to expand the students knowledge of STEM based projects and experiences. Each lesson will advance a different topic in a STEM curriculum and allow the students the opportunity to explore, create, invent, and analyze subjects based on interest and skill. Topics include Aerospace, Animal Science, Crime Scene Investigation, Paleontology, Meteorology, Robotics. Available careers in STEM professions will also be introduced.

Computer Technology (Fulfills section of Career Prep A) - Uses of software apps are explored in detail. Projects are completed using Pages (resumes, cover pages,etc.), Keynote and imovies. Digital Citizenship is a major component of this course focusing on etiquette, cyberbullying, plagiarism and safety.

Career Exploration (Fulfills section of Career Prep A) - Topics include personal decision making, budgeting and personal interest inventory. Career opportunities are explored and employment processes and requirements are reviewed.

8th Grade Enrichment Wheel - Subject to Change

Writing/Research Strategies - In preparation for high school writing, students will be instructed in four different types of academic writing: example, compare/contrast, cause/effect, and persuasive. A focus on standard English grammar and mechanics, the process of writing, and basic research skills will be practiced and applied. Research skills will adhere to MLA format and be demonstrated in the persuasive essay.

Fine Arts Exploration - Students will be introduced to the different fine arts offerings provided by the school, including art, drama, chorus, and band. Each unit will focus on the different opportunities available and will practice applicable skills, and through a wide range of methods and experiences, students will be provided a foundation for future involvement in the arts.

Speech/Debate - An introduction to critical communication skills, this course will cover the four key styles of public speaking and formal debate. Research skills will be critical in preparing for performance assignments that will require students to demonstrate proficiency in the classroom

setting. Opportunities to participate in local and state level competitions may be made available to students.

Analytical Testing Strategies - Analytical Testing Strategies focuses on identifying and applying five reading strategies: making connections, questioning, inferring, clarifying, and evaluating. Students apply these strategies incrementally to aid their comprehension of a variety of whole group texts. Standardized testing skills (such as the ACT Aspire) will also be practiced in preparation for the ACT/SAT in high school.

ART 7-8

Level: Grades 7-8

This course includes advanced visual art concepts intended to broaden the foundational skills gained by students in the elementary program. A major focus is to further develop the artistic and visual perceptions in painting, drawing, stenciling, collage, color theory, three-dimensional design, composition, and mixed media.

Prerequisite: None

BAND 7

Level: Grade 7

7th grade band is designed as a musical transition period for students who have participated in 6th grade band, and an accelerated opportunity for late beginners to improve their musical skills.

Requirements: Participation in the Winter Concert and Spring Concert.

Prerequisite: Musical experience and teacher approval required

MARCHING/CONCERT BAND

Level: Grades 8-12

8th-12th grade band begins with a focus on marching and pep tunes, and then transitions to concert literature that is performed at the Christmas and Spring concerts. Students work toward developing and maturing musicianship. Participation in marching band is not required.

Note: Participation in one semester of Marching Band fulfills 1/2 credit of the P.E. graduation requirement for grades 9-12.

Requirements: Participation at summer band camp, football games, contests, parades, district festivals, Winter Concert and Spring Concert

Prerequisites: Musical experience and teacher approval required

Credit: 1 Unit for grades 9-12, No credit for grade 8

CHORUS 7-8

Level: Grades 7-8

The Chorus is a mixed choir consisting of development of vocal ability and skill in performing a variety of pieces of music, including a cappella selections. A concert schedule and participation in various assessments and festivals sponsored by the Alabama Vocal Association requires a time commitment that is in addition to the time spent in class. An evening concert is performed in winter and spring to provide a showcase of talent. Students are especially encouraged (but not required) to audition for the Alabama All-State Chorus.

Requirements: Participation in the Winter Concert, Spring Concert, Christian High School Choral Festival, State Choral Performance Assessment.

Prerequisite: None

DRAMA 7-8

Level: Grades 7-8

During this **performance based** course, students will be introduced to theater history and appreciation, improvisation, theater tech (such as lights, sound, costumes, makeup, sets and props), and an understanding of various acting techniques. Drama offers the chance to experience the excitement and rewards of theater arts while developing problem-solving skills, collaboration and social skills, and confidence. Students will get an opportunity to perform in the fall and spring class plays, or run tech for shows and our biweekly Gatherings. No auditions required.

Prerequisite: None

