

# High School Program & Course Description Guide



2021 - 2022

*Cultivating strong minds and a passionate  
faith*

**Mount Airy Christian Academy**

16700 Old Frederick Road, Mount Airy, MD 21771

Office: 410.489.4321 Fax: 410.489.4492 [www.macamd.org](http://www.macamd.org)

ver 1.22.21

# TABLE OF CONTENTS

<b>MACA Diploma Programs</b>	<b>3</b>
<b>COURSE PREREQUISITES</b>	<b>5</b>
<b>RECOMMENDED COURSE OF STUDY</b>	<b>6</b>
<b>HONORS/ACCELERATED PROGRAM</b>	<b>7</b>
<b>COLLEGE LEVEL EDUCATION OPPORTUNITIES</b>	<b>8</b>
Off Campus/Dual Enrollment College Credit	8
MACA's Next Step Program	9
Bible Department	9
English/Literature Department	11
History Department	12
Science Department	12
Other College Courses	14
<b>Creative Certification Program</b>	<b>16</b>
<b>MACA Applied Skills Program</b>	<b>17</b>
<b>HIGH SCHOOL COURSE DESCRIPTION GUIDE 2021 - 2022</b>	<b>18</b>
Bible Department	18
English Department	19
Foreign Language Department	21
Mathematics Department	22
Physical Education Department	25
Science Department	25
Social Studies Department	27
Technology	29
High School Education Enrichment Program (EEP) Classes	31
Fine Arts Electives	31
Other Electives	32
Non-Credit Electives	34

# Mount Airy Christian Academy High School

## Diploma Programs

Mount Airy Christian Academy desires for every high school student to develop to their fullest potential academically. We encourage students to look beyond the minimum requirements for graduation and prepare for college, the trades, or advanced education. One way we do this is to offer three diploma programs: General, College Preparatory, and Advanced College Preparatory.

### MACA Diploma Programs

#### General Diploma

To receive the General Diploma:

- minimum of 26 total credits including Algebra I, Geometry, and Biology
- minimum 80 Service Learning hours
- complete a 21 hour internship in the junior and senior years
- minimum of 2.0 GPA\*

#### College Preparatory Diploma

To receive the College Preparatory Diploma:

- minimum of 27 credits including Geometry, Algebra II, and Biology
- minimum 100 Service Learning hours
- complete a 21 hour internship in the junior and senior years
- minimum of 2.75 GPA\*

#### Advanced College Preparatory Diploma

To receive the Advanced College Preparatory Diploma:

- minimum of 28 credits including Pre-Calculus and Biology
- minimum 120 Service Learning hours
- complete a 21 hour internship in the junior and senior years
- minimum of 3.50 GPA\*

#### **Cumulative Diploma Honors – Recognized at Graduation**

*cum laude*= 3.5 GPA\*

*magna cum laude*= 3.7 GPA\*

*summa cum laude* = 3.9 GPA\*

\*Based on a weighted grading scale, not rounded (ex: 85-88 = B; 89-91 = B+; 92-94 = A-; 95-100 = A)

## MACA GENERAL DIPLOMA – REQUIREMENTS FOR GRADUATION

COURSES	CREDITS	REQUIRED COURSES
Bible	4	(Hermeneutics & Christology)
English	4	
Social Studies	3	(World History, US History, American Government)
Math	4	(Algebra I, Geometry) and 1 credit each year
Science	3	(Biology + two other lab sciences)
Foreign Language	2	
Physical Education	1	(Also achievable through MACA sports)
Health	½	
Technology Education	1	(Computer Science I)
Fine Arts	1	
Communication	½	
Electives	2	(Can be additional core courses)

**TOTAL**

**Minimum of 26 credits required for graduation**

Students must earn a minimum of 26 credits, participate in the MACA internship in their junior and senior years, earn a minimum of 80 Service Learning hours, graduate with at least a 2.0 overall GPA and successfully complete their Senior Bible Thesis Presentation to be awarded a General Diploma.

These diploma requirements meet or exceed the standards established by the Maryland State Department of Education.

## COURSE PREREQUISITES

### Course Prerequisites

Some of the courses within the curriculum require that students successfully complete the preceding course with at least a "C" average. This is to assure success in the next level of learning. Therefore, to enter the next level course, a student must have a "C" final average grade or receive approval from the advanced course teacher.

Advanced Course	Prerequisite Course(s)
Computer II	Computer I
Digital Media	Computer I <b>and</b> Teacher Approval
IT Assistant	Computer I <b>and</b> Teacher Approval
Spanish IV	Spanish III
Spanish III	Spanish II
Spanish II	Spanish I
Algebra I	Pre-Algebra
Geometry, Algebra II	Algebra I
Pre-Calculus	Algebra II
AP Calculus	Pre-Calculus
Biology	Algebra 1 or Current enrollment in Algebra 1 (with teacher approval)
Chemistry	Algebra 1 (85 or higher)
Physics - H	Algebra I & II (85 or higher); enrolled in Pre-Calculus and/or teacher approval
Anatomy & Physiology - H	Biology (85 or higher)

## RECOMMENDED COURSE OF STUDY

<p><b><u>Ninth Grade</u></b></p> <ul style="list-style-type: none"> <li>● Old Testament Survey</li> <li>● Classic Lit, Grammar &amp; Composition</li> <li>● Introduction to Algebra I/Algebra I/Geometry</li> <li>● World History</li> <li>● Computer I/Spanish I</li> <li>● Earth and Space Science, or Biology* (with teacher recommendation)</li> <li>● Elective</li> </ul>	<p><b><u>Sample On Level 9</u></b></p> <ul style="list-style-type: none"> <li>● OT Survey</li> <li>● Class Lit, Gram &amp; Comp</li> <li>● Algebra I</li> <li>● World History</li> <li>● Computer I</li> <li>● Earth and Space Science</li> <li>● Orientation (Fall)/Health (Spring)</li> </ul>	<p><b><u>Sample Honors 9</u></b></p> <ul style="list-style-type: none"> <li>● OT Survey</li> <li>● Class Lit, Gram &amp; Comp (H)</li> <li>● Geometry</li> <li>● World History</li> <li>● Computer I</li> <li>● Earth and Space Science or Biology</li> <li>● Orientation (Fall)/Health (Spring)</li> </ul>
<p><b><u>Tenth Grade</u></b></p> <ul style="list-style-type: none"> <li>● New Testament Survey</li> <li>● Literary Genres &amp; Composition</li> <li>● US History</li> <li>● Algebra I/Geometry/Algebra II</li> <li>● Biology/Chemistry</li> <li>● Spanish I/II or Computer I/II</li> <li>● Elective</li> </ul>	<p><b><u>Sample On Level 10</u></b></p> <ul style="list-style-type: none"> <li>● NT Survey</li> <li>● Lit. Genres &amp; Comp</li> <li>● US History</li> <li>● Geometry</li> <li>● Biology</li> <li>● Spanish I</li> <li>● Fine Art</li> </ul>	<p><b><u>Sample Honors 10</u></b></p> <ul style="list-style-type: none"> <li>● NT Survey</li> <li>● Lit. Genres &amp; Comp (H)</li> <li>● US History</li> <li>● Algebra II</li> <li>● Biology or Chemistry</li> <li>● Spanish I</li> <li>● Fine Art</li> </ul>
<p><b><u>Eleventh Grade</u></b></p> <ul style="list-style-type: none"> <li>● Comparative Religions</li> <li>● American Lit &amp; Composition</li> <li>● American Government</li> <li>● Geometry/Algebra II/Pre-Calculus/Pre-Calc</li> <li>● Chemistry/Anatomy &amp; Physiology (H)</li> <li>● Computer I/II or Spanish I/II/</li> <li>● Elective</li> </ul>	<p><b><u>Sample On Level 11</u></b></p> <ul style="list-style-type: none"> <li>● Comparative Religions</li> <li>● Amer Lit &amp; Comp</li> <li>● American Gov't</li> <li>● Algebra II</li> <li>● Chemistry</li> <li>● Spanish II</li> <li>● SAT Prep</li> </ul>	<p><b><u>Sample Honors 11</u></b></p> <ul style="list-style-type: none"> <li>● Comparative Religions</li> <li>● Amer Lit &amp; Comp (H)</li> <li>● American Gov't</li> <li>● Pre-Calc. (H)</li> <li>● Physics (H)</li> <li>● Spanish II</li> <li>● SAT Prep</li> </ul>
<p><b><u>Twelfth Grade</u></b></p> <ul style="list-style-type: none"> <li>● Hermeneutics &amp; Christology</li> <li>● British Lit &amp; Composition</li> <li>● Algebra II /Pre-Calculus/Calculus/Consumer Math</li> <li>● Chemistry/Anatomy &amp; Physiology (H) or Physics (H)</li> <li>● Elective</li> <li>● Elective</li> </ul>	<p><b><u>Sample On Level 12</u></b></p> <ul style="list-style-type: none"> <li>● Hermeneutics &amp; Christology</li> <li>● Brit Lit &amp; Comp</li> <li>● Cons Math/Statistics/Pre-Calc (H)</li> <li>● Computer II/Symb and Meta/Graphic Comm</li> <li>● Dual Enrollment Courses</li> </ul>	<p><b><u>Sample Honors 12</u></b></p> <ul style="list-style-type: none"> <li>● Hermeneutics &amp; Christology</li> <li>● College English Comp</li> <li>● AP Calc (H)</li> <li>● Anat &amp; Phys (H)</li> <li>● Computer II/Symb and Meta/Graphic Comm</li> <li>● Dual Enrollment Courses</li> </ul>

## **HONORS/ACCELERATED PROGRAM**

In an effort to encourage our students to take demanding advanced academic work and to provide them with coursework that enables them to be more competitive in their future academic pursuits, Mt. Airy Christian Academy offers honor courses for grades 9-12 and accelerated courses in English and Math for grades 6-8. The grading standard for honors is very rigorous. Students taking honors courses are expected to spend considerably more time in preparation outside of class. Honors courses are weighted higher than regular classes in regards to G.P.A. On an honors scale, an A is = 5 points, B = 4 points, C = 3 points, D = 2 points and F=0 points.

### **ENTRANCE REQUIREMENTS FOR HONORS COURSES**

#### **GRADES 9-12**

- Students must have a minimum 3.0 GPA (Middle school students must carry a B or above to be eligible for entering a freshmen level honors class).
- Students must be recommended for advanced courses from their prior teacher of the subject area they are seeking to enter as an honors student.
- Students seeking acceptance into honors English may be asked to present a writing sample (minimum of 2 paragraphs demonstrating proper grammar and writing ability).
- Students within honors class must maintain an 82 average in the Honors subject classes in order to continue in the program. Students failing to meet the requirement will be moved to the regular class status in any class where they fall under an 82 average. Students who change tracks can request to be considered for an alternate track at the end of any academic year for the following year. Interested students should discuss this opportunity with the Registrar or Academic Dean.

## **COLLEGE LEVEL EDUCATION OPPORTUNITIES**

### **Off Campus/Dual Enrollment College Credit**

- Students are permitted to enroll in approved, non-MACA college courses. These courses will not be posted to a student's transcript as honors courses unless they are designated as honors courses by the granting institution.
- The off-campus classes must be from an accredited college and must be approved by the Academic Dean or Registrar.
- To be eligible for this, students must maintain a 3.0 GPA at MACA.
- Senior students must be on the MACA campus for at least five classes a day and must attend chapel weekly. Undergraduate students may not leave campus early.
- To qualify for MACA Honor Rolls, a student must be enrolled in at least three MACA core classes during each quarter of recognition.
- Students will be eligible to play sports at MACA as long as they meet the above requirements. Students must be present for seven classes per day to be eligible for a student government or class officer position.
- College classes cannot hinder a student from going on events like the retreat.
- College credits must be for classes that are not offered at MACA or must be taken when school is not in session.
- Dual credits will show on MACA transcripts as transfer credits.



## MACA's *Next Step* Program

MACA's *Next Step* Program offers college-level courses taken on the MACA campus. *Next Step* courses are taught by qualified Christian instructors approved as adjunct professors by Lancaster Bible College (LBC) and/or Howard Community College (HCC). These courses count toward high school requirements while also providing college credit through our partner schools. These credits may be transferred to other colleges and universities according to each college's incoming transfer process. Seniors, juniors, and sophomores (who are in both honors math and English) are eligible to enroll in these courses. Additionally, students must have and maintain a GPA of 2.50 or higher on a 4.00 scale. Courses offered through the MACA *Next Step* Program include:

BIB 103 – Creation & Covenants: OT I	*HUMN 101 - Introduction to Humanities
BIB 104 - Israel's Life & Literature: OT II	LAN 101 – English Composition
BIB 105 – Biblical Hermeneutics	LAN 104 – Public Speaking
BIB 203 – Life of Christ: NT I	LAN 211 – Greek Grammar 1
BIB 204 – Early Church: NT II	LIT 101 - Poetry, Fiction and Drama
*BUS 102 – Introduction to Business	*PHE 245 - Lifelong Wellness & Physical Fitness
CHEM 105/115 – Chemistry and Society Lecture and Lab	PHIL 101 - Introduction to Philosophy
ENST 105/115 - Environmental Science Lecture and Lab	SCI 201/201L - Anatomy and Physiology Lecture and Lab
*HIS 201 – U.S. History (1600-1877)	SCI 381 - Forensic Science

**\*Classes with an asterisk may not be offered during the 2021 - 2022 school year. All MACA Next Step courses must meet minimum enrollment numbers to be offered.**

### **Bible Department**

**BIB 103 – Creation & Covenants: OT I** – (1 HS credit, 3 college credits, Honors, Dual Enrollment - LBC) One semester course.

#### ***Dual Enrollment College Credit Course for Qualifying Students***

This course surveys the books of the Pentateuch, placing special emphasis on biblical beginnings and the development of the covenants as foundational for God's working in the rest of Scripture. Attention is given to background matters and critical and theological issues. **This course meets one half the MACA graduation requirement for Bible 9.**

**BIB 104 – Israel’s Life & Literature: OT II – (1 HS credit, 3 college credits)** (Honors, Dual Enrollment - LBC) One semester course.

***Dual Enrollment College Credit Course for Qualifying Students***

This course surveys the Historical books of the Old Testament from Joshua to Esther. Visibility is given to the poetic and prophetic books as they intersect Israel's history. Attention is given to background matters, and critical and theological issues. **This course meets one half the MACA graduation requirement for Bible 9.**

**BIB 105 – Biblical Hermeneutics – (1 HS credit, 3 college credits)** (Honors, Dual Enrollment LBC) One semester course.

***Prerequisite - Seniors Only, one semester course. Dual Enrollment College Credit Course for Qualifying Students***

This course is an introduction to the principles and practice of interpreting the Bible using the method of historical - grammatical - rhetorical interpretation. The course introduces students to key principles related to this method and then provides guidelines for applying these principles to determine the author’s originally intended meaning. Students learn how to integrate electronic tools into the process. The course concludes with suggestions on how to determine the relevance of these original thoughts to our own lives. **This course meets half of the MACA requirement for Bible 12.**

**BIB 203 – Life of Christ: NT I – (1 HS credit, 3 college credits)** (Honors, Dual Enrollment - LBC) One semester course.

***Dual Enrollment College Credit Course for Qualifying Students***

This course surveys the life of Jesus Christ as presented in the four Gospels. Special emphasis is given to the chronology of events, the major discourses, the important critical issues, and present-day applications. **This course meets one half the MACA graduation requirement for Bible 10.**

**BIB 204 – Early Church: NT II – (1 HS credit, 3 college credits)** (Honors, Dual Enrollment - LBC) One semester course.

***Dual Enrollment College Credit Course for Qualifying Students***

This course traces the development of the Church from its inception to the end of the 1st century AD. Particular attention is given to the growth and development of the early church as recorded in the Book of Acts, the exposition of the Book of Acts, and the historical contexts and themes of the New Testament writings. **This course meets one half the MACA graduation requirement for Bible 10.**

## **English/Literature Department**

**LAN 101: English Composition** – (1 HS credit, 3 college credits) (Honors, Dual Enrollment - LBC) One semester course.

***Prerequisite - Seniors only. Passage of 11th grade English with a minimum grade of 82. Dual Enrollment College Credit Course for Qualifying Students***

In this course, students are introduced to the expectations and mechanics of academic writing. Through actively engaging in the research process, students discover and focus on a central idea, which they will support through a critical reading and *synthesis* of sources. This will enable the student to produce organized, supported, audience-driven, persuasive academic papers reflecting an awareness of the power of language to shape cultural perceptions and communicate a biblical worldview. ***This course will transfer to many colleges and universities as the English Composition course required for most two- and four-year degrees. This course may be used to meet the MACA English 12 course requirement for graduation.***

**LAN 104 – Public Speaking** – (1 credit, 3 college credits) (Honors, Dual Enrollment - LBC) One semester course.

***Prerequisites - Juniors and Seniors. Dual Enrollment College Credit Course for Qualifying Students***

This course is designed to enable students to speak effectively on selected subjects using various methods. Classroom practice is given in oral and interpretive readings. Study is given to the correct preparation and delivery of different kinds of speeches as well as the use of correct speech habits and behavior. ***This course will transfer to many colleges and universities as the communication course required for most two- and four-year degrees. This course may be used to meet the MACA Communication course requirement for graduation.***

**LIT 101 - Poetry, Fiction and Drama** – (1 credit, 3 college credit) (Honors, Dual Enrollment - LBC) One semester course.

***Prerequisites - Juniors and Seniors. Dual Enrollment College Credit Course for Qualifying Students***

This course instructs the student in reading and analyzing poetry, fiction, and drama. This course emphasizes how to read and critically analyze each of these genres. Students also learn appropriate literary and critical terms. ***This course will transfer to many colleges and universities as a general education course required for most two- and four-year degrees. This course may be used to meet the MACA English 12 course requirement for graduation.***

## History Department

**HIS 201 – U.S. History I (1600-1877)** – (1 HS credit, 3 college credits) (Honors, Dual Enrollment - LBC) One semester course.

***Prerequisites - Juniors and Seniors. Dual Enrollment College Credit Course for Qualifying Students***

America traces its national existence back to a European experiment that had many different purposes from economic enterprise to religious utopianism. This class will trace the history of the United States from its founding through its revolution of independence to its near collapse in the Civil War. Following a chronological scheme, students will focus on the persistent themes in American society, economics, and politics in addition to recognizing the innovation associated with America's growth. ***This course will transfer to many colleges and universities as a general education course required for most two- and four-year degrees. This course may be used to meet the Maryland US History requirement for graduation.***

## Science Department

**CHEM 105 – Chemistry in Society** – (1 HS credit, 3 college credits) (Honors, Dual Enrollment - HCC) Year long course.

***Prerequisites - Sophomores (with approval), Juniors, and Seniors. Dual Enrollment College Credit Course for Qualifying Students***

Students will apply knowledge of chemical concepts and ethics to think critically about current environmental, consumer, health, industrial, and technological issues. Students will gain an understanding of basic chemical concepts in the everyday world and knowledge of the role chemistry plays in personal and professional lives. Basic chemical concepts will be introduced and their impact on society will be discussed. For Chemistry in Society Laboratory, see CHEM 115.

**CHEM 115 - Chemistry in Society Lab** - (Concurrent enrollment in CHEM105, .25 HS credit, 1 college credit) (Honors, Dual Enrollment - HCC) Year long course.

***Prerequisites-Sophomores (with approval), Juniors, and Seniors. Dual Enrollment College Credit Course for Qualifying Students***

After successful completion of this laboratory, students will have an understanding of the metric system, basic laboratory measurements, and instruments. Students will investigate methods of separation, synthesis, and chemical analysis using samples of common household substances. Students will analyze labels and claims from a consumer's point of view. ***This course (in conjunction with CHEM 105) will transfer to many colleges and universities as a general education science lab course. This course may be taken in place of general Chemistry, which can be used to fulfill a MD high school diploma science requirement.***

**ENST 105 Environmental Science - (1 HS credit and 3 college credits)** (Honors, Dual Enrollment - HCC) One semester course.

***Prerequisites - Sophomores (with approval), Juniors, and Seniors. Dual Enrollment College Credit Course for Qualifying Students***

This course involves the study of ecosystem and community ecology, population dynamics, climate, biomes, species diversity and natural selection, species interactions, agriculture, toxicology, air and water pollution, and energy resources. This course is designed for non-science majors and science majors alike, and introduces students to the basics of scientific inquiry and basic chemistry. For Environmental Science Laboratory, see ENST 115.

**ENST 115 Environmental Science Laboratory - (Concurrent enrollment in ENST 105, .25 HS credit and 1 college credit)** (Honors, Dual Enrollment - HCC) One semester course.

***Prerequisites - Sophomores (with approval), Juniors, and Seniors. Dual Enrollment College Credit Course for Qualifying Students***

This laboratory involves the hands-on study of trophic interactions, soil erosion, stream ecology, species diversity, intra- and inter-specific competition, and population dynamics. This laboratory is designed to complement the lecture component of environmental science (ENST 105) with an emphasis on data collection, data analysis, and field trips to local waste management sites. ***This course (in conjunction with ENST 105) will transfer to many colleges and universities as a general education science lab course.***

**SCI 201 - Anatomy & Physiology – (1 HS credit, 3 college credits)** (Honors, Dual Enrollment LBC) Elsevier Mosby's *The Human Body in Health and Disease* - Year long course.

***Prerequisite – 85 or higher in Biology and/or teacher recommendation, Dual Enrollment College Credit Course for Qualifying Students***

This course is designed to expand the student's knowledge and understanding of the basic organization, structure, and function of the human body. The student identifies anatomy and explains physiology of the human body through comparative vertebrate observation and dissection. For each system, the anatomical structures will be studied, and the physiological function of those structures will also be studied by examining the various disorders and diseases associated with these organ systems.

**SCI 201L - Anatomy and Physiology Laboratory - (Concurrent enrollment in SCI 201, .25 HS credit and 1 college credit)** (Honors, Dual Enrollment LBC ) Year long course.

***Prerequisites - Sophomores (with approval), Juniors, and Seniors. Dual Enrollment College Credit Course for Qualifying Students***

This laboratory involves the hands-on study of human physiological processes and anatomical structures that parallel the topics and organ systems covered in the A&P lecture course. ***This***

*course (in conjunction with SCI 201) will transfer to many colleges and universities as a general education science lab course.*

**SCI 381 - Forensics** - (1 HS credit, 3 college credits) (Honors, Dual Enrollment, LBC) One semester course.

***Prerequisites - Sophomores (with approval), Juniors, and Seniors. Dual Enrollment College Credit Course for Qualifying Students***

This course explores the application of science to the legal process. Forensic science is a multidisciplinary course drawing from students' prior acquired knowledge in biology, chemistry, physics, algebra, and English classes. Students will participate in hands-on activities related to common crime scene evidence such as blood and DNA analysis, fingerprint evidence, and ballistics reports in the process of solving crimes and mysteries with the use of their acquired science skills and will explore from a biblical perspective how scientists play a role in the judicial system.

### **Other College Courses**

**BUS 102 – Introduction to Business** – (1 credit, 3 college credits) (Honors, Dual Enrollment - LBC) One semester course.

***Prerequisites - Juniors and Seniors Only. Dual Enrollment College Credit Course for Qualifying Students***

This introductory course will investigate the role business plays in society and will discuss using a career in business as an area of ministry. Through an examination of the major functional areas of a business, students will be better able to determine the use of business as a career and ministry path. The biblical character of Nehemiah will be used as a case study to help students consider the necessary skills and perspective Christians need to be successful in life and the business world.

**LAN 211 – Greek Grammar 1** – (1 credit, 3 college credits) (Honors, Dual Enrollment - LBC) Year long course.

***Dual Enrollment College Credit Course for Qualifying Students***

Greek Grammar I is a course of study in the fundamental morphology and syntax of Koine Greek, the language of the New Testament. This course emphasizes vocabulary, the form and function of basic Greek nouns, and the form and function of basic Greek verbs. ***This course will transfer to many colleges and universities as a foreign language credit. This course may be taken to fulfill a MD high school diploma foreign language requirement.***

**PHE 245 - Lifelong Wellness & Physical Fitness - (1 credit, 3 college credits)** (Honors, Dual Enrollment - LBC) One semester course.

***Dual Enrollment College Credit Course for Qualifying Students***

This course will examine the areas of life wellness and physical fitness skills with an emphasis on the individual gaining knowledge to make responsible decisions to maintain a healthy lifestyle that will allow them to be used for Christ. Topics discussed will include: nutrition, weight management, mental health, stress management, chronic health issues as well as substance abuse. In addition, the method of measuring an individual's own degree of physical fitness and the different methods of attaining it will also be taught. A variety of exercise programs and activities for optimal physical conditioning and development will be discussed. ***This course will transfer to many colleges and universities as a general education physical education credit. This course may be taken to fulfill the MD high school diploma health credit requirement.***

**HUMN 101 - Introduction to Humanities - (1 credit, 3 college credits)** (Honors, Dual Enrollment - LBC) One semester course, hybrid structure.

***Prerequisites - Sophomores (with approval), Juniors, and Seniors. Dual Enrollment College Credit Course for Qualifying Students***

The humanities have been the foundation of learning in the West for more than three millennia as people have sought to better understand themselves and their world. Whereas sciences and math examine the facts of human experience, the humanities allow thinkers to explore the meaning of those experiences through the tools of literature, art, history, and philosophy. This class will introduce students to the humanities both as the foundation for education and as a human pursuit of meaning. This class will also evaluate the nature and methods of the humanities in light of a biblical worldview. ***This course will transfer to many colleges and universities as a general education credit.***

**PHIL 101 - Introduction to Philosophy (1 credit, 3 college credits)** (Honors, Dual Enrollment - HCC) One semester course, hybrid structure.

***Prerequisites - Sophomores (with approval), Juniors, and Seniors. Dual Enrollment College Credit Course for Qualifying Students***

An introduction to world philosophy, from a Christian Worldview; which begins with the Western tradition and includes Asian and traditional African Worldviews, as well as the voices of women philosophers and the peoples of the Americas. Focus is on major theories of reality (metaphysics), knowledge (epistemology), value (axiology), and logic. ***This course will transfer to many colleges and universities as a general education credit.***

# Creative Certification Program

As our society becomes more and more technology-driven and supported, MACA graduates will increasingly find employment in a variety of positions, many of which require training in specific software programs or technology equipment. More and more, those who create will need to know how to communicate their ideas and the expression of their vision through the use of different technology mediums. MACA is committed to preparing our students for the technological world.

MACA's new Creative Certification Program will provide students with training and practice in various digital tools and creative platforms. Students will develop their digital skill sets through the access to and training in a number of available computer software systems. At the finish of the training, students will have the option of completing certification exams which will offer them industry-recognized expertise. Through this program, MACA students will be able to graduate with documented marketable job skills. Available platforms include:

## **Video/Design**

Premier Pro  
After Effects  
Adobe Audition  
Premiere Rush  
Character Animator

## **Painting/3D/Design**

Capture  
InDesign  
Photoshop Sketch  
Illustrator  
Adobe Spark

## **Photography**

Photoshop  
Lightroom CC  
Lightroom Classic  
Creative Cloud  
Adobe Spark Video Stories

MACA's Creative Certification Program allows our students to be competitive in our digital world at the time of graduation. God is doing great things through MACA!



## MACA Applied Skills Program

MACA has traditionally excelled at preparing students for entrance and success in college. Approximately 84% of MACA graduates enter college immediately after graduation. However, we are passionate about preparing all our students, some of whom God is calling into careers and trades which require knowledge, skills, and experience, not a four-year degree.

MACA's new Applied Skills Program is designed to provide these students with opportunities to learn directly from trade professionals and to obtain hands-on training in various fields, such as:

- Auto Mechanics
- Concrete
- Cosmetology
- Culinary Arts
- Early Childhood Education
- Electrical
- Framing
- General Carpentry
- HVAC
- Marketing
- Painting/ Drywall
- Plumbing

Completion of the Applied Skills Program will enable students to graduate with skills, knowledge, connections and a better understanding of where God is calling them to serve.

Program guidelines include:

- Junior and senior students may apply to participate
- Applicants complete a placement assessment and interview process
- Students will be placed with a professional
- Students will work during the afternoon for two to three hours a day
- Sessions will be for a semester or an entire year

MACA is excited to provide access to this program which will train up our students in the way God wants them to serve. The Applied Skills Program is just another way MACA is serving its student body and preparing students for their future. Once again, God is doing great things at MACA!

# **MOUNT AIRY CHRISTIAN ACADEMY HIGH SCHOOL**

## **COURSE DESCRIPTION GUIDE 2021 - 2022**

In order to provide the best educational materials possible, MACA's administration and staff review the curriculum constantly. As a result, all materials are subject to change. Course offerings are based on available faculty and adequate enrollment. Courses which do not meet minimum enrollment requirements will be cancelled. **\*Classes with an asterisk may not be offered during the 2021 - 2022 school year.**

### **Bible Department**

#### **\*Bible Basics – (1 credit) *New students only***

This course is intended for students who are new to studying the Bible. It contains an overall survey of the Bible as well as instruction on how to study the Scriptures.

#### **HS Bible 9 – Old Testament Survey – (1 credit)**

This survey course gives students an overview of: 1) the theology of who God is and, 2) of each of the 39 books of the Old Testament. The study of the Old Testament will allow students to evaluate the differing views of God held by different Christian denominations as well as Jews, Muslims, atheists and many other worldviews who encounter the texts of the ancient Hebrews. The course is structured to examine the books of the Hebrew Scriptures from an historical, literary and spiritual perspective. The history of the ancient near east and northern Africa provides the backdrop for the literary genres of ancient narrative, suzerain-vassal treaties, prophetic and apocalyptic messages as well as ancient law codes, ancient Hebrew poetry and historical documentation. This course is focused on helping students reflect on the meta-narrative of progressive revelation as the writings of the Hebrew people develop a messianic expectation into the rise of the Roman Empire.

#### **HS Bible 10 – New Testament Survey – (1 credit)**

This survey course is intended to give students an overview of each of the 27 books of the New Testament. The study of the New Testament will allow students to evaluate the differing views of God held by different Christian denominations as well as Jews, Muslims, atheists and many other worldviews whose histories are intertwined with Christianity. The course is structured to examine the ancient texts of the koine Greek scriptures from an historical, literary and spiritual perspective. The history of the Hebrew people and the Roman Empire provides the backdrop for the literary genres of ancient biography, biographical theology, epistolary homily, pastoral epistles and apocalyptic messages as well as historical documentation. This course is focused on helping students reflect on the meta-narrative of progressive revelation as the writings of the

followers of Jesus of Nazareth reflect the thinking and life situations of Christians in the 1st century.

**HS Bible 11 – Comparative Religions – (1 credit)** Summit Ministries' *Understanding the Times*

The goal of this class is to help students recognize the significance of some of the most influential ideas and values prevalent in our culture and to understand the assumptions about reality from which they arise. Students compare and contrast Christianity, Islam, Secular Humanism, Marxism-Leninism, New Age (Eastern religions), and Postmodernism. Students will read from and listen to proponents of these various views in order to accurately understand their beliefs. Throughout this course students will compare and contrast these different religious views in the disciplines of theology, philosophy, ethics, biology, psychology, sociology, law, politics, economics, and history.

**HS Bible 12 – Christology & Senior Thesis Preparation – (1/2 credit)** (Seniors only, one semester course)

The student will examine the person of Jesus Christ and his work. Students write a 9-18 page Senior Thesis articulating and defending their faith. This assignment merges factual knowledge gained with reasoning skills developed into a final synthesis, involving both written and oral presentation. **This class is required for graduation.**

**Independent Study – (1 credit)** *Juniors and Seniors only – Teacher pre-approval required*

A student may explore a specialized area of biblical studies under the direction of a Bible teacher.

## **English Department**

### **High School English**

A research paper will be required every year for each high school grade.

**English 9 - Classic Literature, Grammar and Composition: – (On-Level and Honors) (1 credit)** *Grammar for High School: A Sentence-Composing Approach*, various novels & short stories

To illustrate the breadth and depth of literature, this course focuses on a variety of genres from different time periods. Students investigate multiple literary devices and learn to apply them in their own writing. They have opportunities to master the writing process through multiple types of compositions, including short stories, essays, and journals. The course emphasizes proper essay format and correct use of citations, especially during the research essay unit. Through writing, students also develop their vocabulary, practice sentence clarity, and apply grammar and punctuation rules. In the novel and short story units, the students are introduced to Verne,

Shakespeare, Orczy, Stevenson, and others. \*The honors classes will include extra reading and additional depth of study.

**English 10 - Literary Genres and Composition – (On-Level and Honors) (1 credit)** Various sources

With a theme of “write for your audience,” this class focuses on the impact of different types of writing on the reader. Students read a variety of works including *Uncle Tom’s Cabin*, *Lord of the Flies*, *Night*, and *Henry V*, among others. They apply literary analysis skills and develop a basic understanding of how worldviews are expressed in literature. The class includes special units on propaganda and advertising, as well as research paper writing. Students participate in several group projects and develop oral communication skills through presentations. Additionally, they develop writing clarity through work with modifiers, passive and active voice, and parallel construction. \*The honors classes will include extra reading and additional expository and research writing.

**English 11 - American Literature and Composition (On-Level and Honors) – (1 credit)** Various sources

Using classic novels from American literature as a foundation, students will focus on prominent themes across American history, culture, and society. As they read works such as *Huckleberry Finn*, *To Kill a Mockingbird*, and *A Raisin in the Sun*, students evaluate how authors treat and respond to the subject of racism, and they learn to see this important subject through the lens of our Christian faith. Students will also understand judgment in different perspectives through reading *The Scarlet Letter* and *Fahrenheit 451*. Throughout this course, students will develop their rhetorical skills both in group debates and evidence-based writing. 11th Honors students also compose a cumulative literary analysis paper.

**English 11 Honors - British Literature and Composition – (1 credit)** Various sources

How does literature reflect or shape society? This is the essential question students will confront in British Literature. From *Beowulf* to *The Canterbury Tales*, students journey through literary lore to discover why reading stories is essential to understanding a culture. As they enter the British Renaissance, they dive into the works of Shakespeare along with other prominent sonneteers of the day to relate to the feelings of both poetry and characters within a play. They continue to follow the highs and lows of the British people by analyzing the variety of works produced in the Restoration, throughout the Puritan Age, into Romanticism, and up to the Victorian Age. 11th Honors students also compose a cumulative literary analysis paper.

**English 12 - British Literature and Composition – (1 credit)** Various sources

How does literature reflect or shape society? This is the essential question students will confront in British Literature. From *Beowulf* to *The Canterbury Tales*, students journey through literary

lore to discover why reading stories is essential to understanding a culture. As they enter the British Renaissance, they dive into the works of Shakespeare along with other prominent sonneteers of the day to relate to the feelings of both poetry and characters within a play. They continue to follow the highs and lows of the British people by analyzing the variety of works produced in the Restoration, throughout the Puritan Age, into Romanticism, and up to the Victorian Age.

**LAN 101: English Composition** – (1 HS credit, 3 college credits, Honors, Dual Enrollment - LBC) One semester course.

See description in the Next Step section, page 11.

**LIT 101 - Poetry, Fiction and Drama** – (1 credit, 3 college credits, Honors, Dual Enrollment - LBC) One semester course.

See description in the Next Step section, page 11.

**English as a Second Language (ESL) - (1 credit)** Various Sources

This class is a combined skills course integrating acquisition of and improving on all four skill areas of English: listening, speaking, reading, and writing. Students will practice new vocabulary in writing and speaking. This class focuses on increasing listening and reading skills and strategies with an intensive focus on vocabulary development. Special emphasis placed on recognizing and pronouncing many of the most common words in English. Advanced students will focus on sentence-level accuracy in written English in informative genres. Advanced students will be able to write several basic sentences about personal topics with grammatical accuracy and will be able to write personal information correctly into forms.

**Independent Study – (1 credit)** (*Juniors and Seniors only – teacher pre-approval required*)

A student may explore a specialized area of English under the direction of an English teacher. Options include creative writing, author studies, book to movie studies, etc.

## **Foreign Language Department**

**Spanish I** – (1 credit) McDougal Littell’s *Avancemos I*

Since this is a beginning course in Spanish, students are taught to speak, read, and write simple Spanish. Students will begin training their ear to hear and interpret short Spanish passages. Vocabulary and grammar are stressed. Simple grammar such as articles, noun-adjective agreement, and present tense. Some time is spent on Spanish culture.

**Spanish II** – (1 credit) McDougal Littell’s *Avancemos II*

***Prerequisite – Spanish I***

This course has its emphasis on listening comprehension, speaking, and writing. The student will learn the present, preterite, imperfect, and present progressive. The student will move beyond the basics of sentence structure and learn the subject and verb complements in depth. The last objective is to teach the student to integrate language and culture as one whole. This will enable the student to visualize the Hispanic as people in need of salvation, not people strange and remote from them.

**Greek I, II, III, IV – (1 credit each)** (Independent Study) *Essentials of New Testament Greek* by Ray Summers and Thomas Sawyer, study guide by Stephen Cox

***Prerequisite – Teacher approval***

An elementary study of the vocabulary, forms, and basic grammar of the Greek New Testament. Students will translate simple sentences into Greek and more advanced sentences from Greek to English to reinforce instruction.

**Independent Study – (1 credit)** (*Juniors and Seniors only – teacher pre-approval required*)

A student may explore a specialized area of language studies under the direction of a language teacher.

## **Mathematics Department**

**Pre-Algebra – (1 credit)** Holt McDougal *Pre-Algebra*

This is a math class designed to focus on fundamental algebraic problem solving as well as review in fractions, decimals, ratio, percent, exponents, and basic geometry. This is a preparation for Algebra I.

**Algebra 1 Concepts - (1 credit)** Learning Edge Program Expansion Course

***Prerequisite: 65% or above in Pre-Algebra course or by teacher recommendation.***

This course builds from and reinforces pre-algebra mathematical skills, and develops proficiency in the foundational algebraic concepts that are the gateway to success in future math courses. Algebra 1 content and skills are presented and developed, along with greater comfort with the abstract aspects of algebra. Tenacity and problem-solving skills grow along the way. Topics include operations with real numbers and algebraic expressions (review), solving single variable equations (one-, two-, and multi-step), proportions, percents, linear inequalities (graphs, solving), functions, linear functions (slope, slope-intercept form, point-slope form, standard form, parallel & perpendicular lines), systems of equations, exponents, polynomials and factoring, and quadratic functions (graphing with transformations, and solving equations). This course leads to Geometry Concepts or the standard Geometry course. This course is designed to provide an avenue for success for those students finding significant challenge in Pre-Algebra.

**Algebra I** – (1 credit) (Honors and Regular) Houghton, Mifflin, Harcourt *Algebra I*

***Prerequisite*** – “C” minimum average in *Pre-Algebra* or a teacher’s recommendation

This course covers equations, inequalities, functions, systems, and exponents. Problem solving is emphasized through linear equations, polynomials, factoring, and quadratic equations. Students will learn to think both inductively and deductively. \*The honors classes will include a more indepth review of the regular course materials. **This course is required for graduation.**

**Geometry** – (1 credit) (Honors and Regular) Houghton, Mifflin, Harcourt *Geometry*

***Prerequisite*** – *Algebra I*

Geometry will cover the fundamentals of two-column proofs using theorems and postulates with an emphasis on reasoning skills. Students are introduced to parallel and perpendicular lines, triangle congruence, and properties and attributes of triangles, polygons, quadrilaterals and circles. Reasoning and problem solving are emphasized using trigonometry, transformational geometry, and spatial reasoning. \*The honors classes will include a more indepth review of the regular course materials. **This course is required for graduation.**

**Algebra II** – (1 credit) (Honors and Regular) Holt-McDougal’s *Algebra II*, Houghton Mifflin Harcourt

***Prerequisite*** – *Algebra I, Geometry*

Algebra II presents an overview of Algebra I at the beginning of the course. The concepts of relations and functions will be applied to the coordinate plane. Students will learn simplifying and factoring of polynomials using the FOIL method and binomial expansion which will be used later in Trigonometry. Conics, trigonometric functions, irregular areas, logarithmic functions, and statistics will be covered briefly. Students learn that the order found in mathematics exists because of the God who created an orderly universe. This course includes practice and preparation for college entrance exams. \*The honors classes will include a more indepth review of the regular course materials.

**SAT Prep** – (1 credit) (Pass/Fail Course) *Preparing for the SAT Mathematics* Amsco School Publications

***Prerequisite*** – *Geometry OR Teacher approval*

SAT Prep provides a complete review of topics covered in the mathematics portion of the SAT, including the new Level 2 topics that debuted on the 2016 test. Mathematic sections of the SAT focus on a student’s reasoning and problem-solving skills in four basic categories: Arithmetic-Numbers and Operations, Algebra and Functions, Geometry and Measurement, and Number Patterns, Probability, Statistics, and Data Analysis. The newer levels focus on real-world contexts. SAT Prep is a P/F class.

**AP Statistics** - (1 credit) (Honors) (*Juniors and Seniors Only*) ***On-line, fee-based course outside of regular tuition.***

***Prerequisites - Algebra II or Teacher Approval***

We live in the information age: we are bombarded with information daily, much of it statistical. Statistics provides a useful tool for understanding and evaluating this information. To achieve this goal, this course will cover a full range of necessary skills from organizing data, measures of central tendency and variation, probability, distributions, estimations, and hypothesis testing.

**Pre-Calculus** – (1 credit) (Honors) McDougal-Littell’s *Pre-Calculus*

***Prerequisites – Algebra I, Algebra II, and Geometry***

Advanced mathematical concepts expand on topics from intermediate algebra; these are developed thoroughly to ensure understanding. Plentiful examples develop concepts within a clear, concise format. Students learn key skills through annotated examples, chapter reviews, tests, and exercises. Selected answers help students check their own progress. The content includes linear relations and functions, theory of equations, matrices and vectors, the circular functions, the trigonometric functions, sequences and series, polar coordinates and complex numbers, conics, probability, and descriptive statistics. This course includes practice and preparation for college entrance exams.

**AP Calculus AB** – (1 credit) (Honors) Holt-McDougal’s *Calculus: An Applied Approach*

***Prerequisite – Pre-Calculus***

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections among these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Students who desire to enroll in the AP Calculus AB test given at the end of the year can qualify for college credit based on their test score.

**Consumer Math** – (1 credit) (*Juniors and Seniors only*) BJU Press’ *Consumer Math*

This course is designed to help students develop competency in a variety of mathematical concepts and develop thinking and reasoning skills and problem-solving abilities. Real-world problems are investigated using algebraic, graphical, and numerical techniques. Topics include credit cards, energy costs, mortgages, investments, savings, health, accident and homeowner’s insurance, and more.



**Independent Study – (1 credit)** (*Juniors and Seniors only – teacher pre-approval required*)

A student may explore a specialized area of mathematical studies under the direction of a math teacher.

**Physical Education Department**

Students in grades 9-12 who have not obtained a P.E. credit will be given preference for P.E. classes. High school students do not need to participate in P.E. classes if they participate in at least two MACA sports. The coaches will provide students with P.E. grades. Each MACA sport earns 1/2 credit towards P.E. with a limit of one credit total.

**Physical Education – (1 credit required; courses in ½ credit increments)**

This course is designed to improve the student's fitness and skill development through vigorous practice and competitive participation. The student will develop an appreciation for the rules, knowledge, and strategies of team and individual sports. Instructors strive to help the student develop Christian sportsmanship through self-control, fair play, group interaction, and cooperation.

**Health – (1/2 credit)**

Taught from a Christian perspective, this course is designed to provide high school students with an understanding of the basic needs of the human body. It will help students care for themselves physically, emotionally, socially, and spiritually.

**PHE 245 - Lifelong Wellness & Physical Fitness - (1 credit, 3 college credits)** (Honors, Dual Enrollment - LBC) One semester course.

See description in the Next Step section, page 14.

**Independent Study – (1 credit)** (*Juniors and Seniors only – teacher pre-approval required*)

A student may explore a specialized area of Physical Education studies under the direction of a PE teacher.

**Science Department**

**SCI 201 - Anatomy and Physiology (1 HS credit, 3 college credits)** (Honors, Dual Enrollment - LBC) Year long course.

See Next Step section for course description, page 12.

**SCI 201L - Anatomy and Physiology Lab - (Concurrent enrollment in SCI 201), .25 HS credit, 1 college credit)** (Honors, Dual Enrollment - LBC) Year long course.

See Next Step section for course description, page 12.

**Biology – (1 credit)** (Honors and Standard levels offered)

***Prerequisites - Algebra 1 or current enrollment in Algebra 1 (with teacher approval)***

Students investigate biology at a molecular, cellular, and macrobiological level through hands-on demonstrations, lab activities, and various research projects. It includes information on the attributes of life, basic biochemistry, major metabolic process (photosynthesis, respiration, etc.), genetics, and classification. The second half of the course is spent exploring the various living organisms in the kingdoms including bacteria, protists, fungi, plants, and animals. Students become familiar with the scientific process and learn proper research and science writing habits.

\*The honors classes will include a more indepth review of the regular course materials. **This course is required for graduation.**

**Chemistry – (1 credit)**

***Prerequisites – Algebra I***

Students investigate various facets of chemistry through hands-on demonstrations, lab activities, and various research projects. They also learn an appreciation for the history of chemistry and chemical research by examining the development of the atomic model and the Periodic Table. Topics in this course include, but are not limited to, the structure of matter, atomic decay, the Periodic Table and its trends, and the mole.

**CHEM 105 – Chemistry in Society – (1 HS credit, 3 college credits)** (Honors, Dual Enrollment - HCC) Year long course.

See Next Step section for course description, page 12.

**CHEM 115 - Chemistry in Society Lab - (Concurrent enrollment in CHEM105, .25 HS credit, 1 college credit)** (Honors, Dual Enrollment - HCC) Year long course.

See Next Step section for course description, page 12.

**Earth and Space Science - (1 credit)**

Students will investigate a wide range of topics in Earth and Space science through hands-on demonstrations, lab activities and various research projects. They will learn an appreciation of the difficulty of studying the complex systems that make up Earth and space. Topics in this course include but are not limited to the structure and systems of the Earth, weather and climate, astronomy and the controversial topic of Earth's history from a biblical worldview.

**Emerging Pathogens: Infectious Disease (½ credit, one semester)** (*Juniors and Seniors only*)

Students will explore the microscopic world of pathogenic microbiology and learn about the control, treatment and prevention of disease. Topics covered will include fundamental concepts in the morphology, physiology, genetics and ecology of bacteria. Students will explore

application of microbiology to medicine, the food industry and biotechnology in various lab activities.

**ENST 105 - Environmental Science** – (1 HS credit, 3 college credits) (Honors, Dual Enrollment - HCC) Semester long course.

See Next Step section for course description, page 12.

**ENST 115 - Environmental Science Lab** - (Concurrent enrollment in ENST 105, .25 HS credit, 1 college credit) (Honors, Dual Enrollment - HCC) Semester long course.

See Next Step section for course description, page 12.

**Physics** – (1 credit) (Honors)

***Prerequisites – 85 or higher in Biology and Algebra II, enrolled concurrently in Pre-Calculus or completed Pre-Calculus, or teacher recommendation***

Students will study the fundamental laws of physics through a math-based practical application of physics to real-world problems. The course includes hands-on demonstrations, lab activities and various research projects so that students can gain a more independent approach to the design of scientific research projects. Topics covered in this course include kinematics, dynamics, Newton's laws, work, power, wave mechanics and a variety of others.

**SCI 381 - Forensics** (1 HS credit, 3 college credits) (Honors, Dual Enrollment - LBC) Semester long course.

See Next Step section for course description, page 12.

**Independent Study** – (1/2 credit per semester) (*Juniors and Seniors only – teacher pre-approval required*)

A student may explore a specialized area of science under the direction of a science instructor.

## **Social Studies Department**

**American Government** – (1 credit) BJU Press' *American Government, If You Can Keep It* - Eric Metaxas, *We Still Hold These Truths* - Matthew Spaulding

The students learn about those who founded our nation; the biblical and natural rights foundation upon which our country was established; the founding documents; the structure and outworking of our government on the federal, state, and local level; the elective process; the political and economic spectrums, principles of liberty, landmark Supreme Court cases, the criminal justice system, the history of and lessons derived from the Civil Rights Movement; how our government compares to other governments throughout history; and the keys to good government and

responsible Christian citizenship. Students also take an in-depth look at current issues and apply Biblical and Constitutional truth to them, developing research and critical thinking skills in the process. **This course is required for graduation.**

**World History** – (1 credit) BJU Press' *World History, A Christian Manifesto*, Francis Schaeffer, *The 5000 Year Leap*, Cleo Skousen

In World History, students examine the rise of civilization from a biblical worldview perspective. The students study the purpose and nature of historical research, ancient civilizations, the Greco-Roman empires and the emergence of western civilization, the rise of Christianity and Islam, the medieval period, the dominance of the Roman Catholic church during the Middle Ages, the Reformation, and the Renaissance. The Age of Discovery and Enlightenment is also studied so students gain an understanding of the establishment and importance of the modern world. They learn about the New World, leading into the age of revolution and the founding of America. **This course is required for graduation.**

**U.S. History** – (1 credit) BJU Press' *U.S. History, With The Old Breed*, Eugene Sledge

This course covers the history of the United States from the antebellum period and the Civil War through to the present day. Emphasis is placed on understanding the lessons of our history and the impact of our Christian heritage throughout. The instructor gives attention to the forces leading to the Civil War, Reconstruction, the Gilded Age, Industrial Revolution, and Progressive eras, the Great Depression, the involvement of the United States in the two world wars, the Cold War, the 1960s, and the rise of modern America, beginning and ending with the events of September 11, 2001. **This course is required for graduation.**

**American Military History** - (1/2 credit) One semester course. Hybrid course format. *With The Old Breed*, Eugene Sledge

The American Military History elective is designed to be a hybrid course of study involving both classroom instruction and an online learning platform. Course curriculum will include an overview of the 400-year history of American military involvement from colonial conflicts to the war on terror, a study of the evolution of American military strategy and tactics, an historical analysis of each of the five military branches, and an evaluation of lessons to be learned from major battles, events, and persons. Students will read relevant pieces and articles and then write about and/or discuss their content as a group during weekly class meetings. They will also work on one larger project investigating an area of interest of their choosing. The purpose of the course is to help the student gain an appreciation of both the cost of freedom and the value of liberty, that they might understand the true source of human conflict, its destructive impact, the heroic nature of the American soldier, the value of courageous and moral leadership, and the ultimate triumph of good over evil.

**World War II History - (½ credit)** One semester course. Hybrid course format.

The WW II elective is designed to be a hybrid course of study involving both classroom instruction and an online learning platform. Course curriculum will include: a synopsis of the causes of the war, including an investigation into the international situation prior to 1939, an overview of the conflict itself from a strategic and tactical perspective, a look at the major leaders and personages of the period, an analysis of the experience of the average soldier, sailor, airman, marine, coast guardsman, and merchant mariner, the conditions on the homefront and the effort there to win the war, and an understanding of the consequences of the war and the establishment of a new world order post-1945. Students will read relevant books and articles and write about and/or discuss their content as a group during weekly class meetings. They will also work on one larger project investigating an area of interest of their choosing related to the war. The purpose of the course is to help the student gain an appreciation of both the cost of freedom and the value of liberty, that they might understand the true source of human conflict, its destructive impact, the heroic nature of the American soldier, the value of courageous and moral leadership, the ultimate triumph of good over evil, and the impressive accomplishments of the Greatest Generation.

**Civil Rights History - (½ credit)** One semester course. Hybrid course format.

**Voices of Freedom: A History of the Civil Rights Movements in American History**

The Civil Rights elective is designed to be a hybrid course of study involving both classroom instruction and an online learning platform. The largely research, project, and discussion-based course is designed to provide the student with a comprehensive and Biblically-based overview and understanding of the establishment, preservation, and advancement of civil rights and liberties in American history. Emphasis will be placed on investigating significant documents, events, and people throughout the movements as well as providing the students with opportunities to corporately present, discuss, and analyze their findings through discussions and project based assignments.

**Independent Study – (1 credit)** (*Juniors and Seniors only – teacher pre-approval required*)

A student may explore a specialized area of social studies under the direction of a social studies teacher.

## **Technology Department**

**Computer Science 1 - (1 credit)**

Geared primarily towards providing high-school students with the foundational skills necessary for success in MACA's digitally enhanced learning environment. Students will develop coding skills through the use of the JavaScript programming language through the CodeHS comprehensive teaching platform. In addition, students will explore topics on Internet etiquette and how to stay safe on the worldwide web. They will also look at the potential effects of their digital footprints, how to protect information from online risks, and the implications of

cyberbullying. Lastly, students will gain an understanding of basic networking and how information moves between devices.

**Digital Media Arts - (1 credit)**

***Prerequisite: Teacher approval***

This course is geared primarily towards preparing students for life after graduation from MACA. Emphasis is placed on becoming a highly adaptable user of technology who is able to intuitively develop and apply solutions to various scenarios using cloud/web based tools. Students will study at least one platform in the Adobe Suite. Students who qualify will take an Adobe Certified Associate (ACA) credentials exam. An Adobe Certified Associate (ACA) credential certifies that individuals have the entry-level skills to plan, design, build and maintain effective communications using different forms of digital media and is recognized by industry professionals. ***This course can fulfill the technology credit requirement if approved by the teacher.***

**Graphic Design - (1 credit)**

***Prerequisite: Teacher Approval***

This course will focus on the tools and techniques of Adobe Photoshop and Adobe InDesign with an artistic slant. Completion of this course will provide students with an understanding of how to correct and manipulate images as well as construct documents in an aesthetically pleasing way. Students who qualify, will take an Adobe Certified Associate (ACA) credentials exam. An Adobe Certified Associate (ACA) credential certifies that individuals have the entry-level skills to plan, design, build and maintain effective communications using different forms of digital media and is recognized by industry professionals.

**Independent Study – (1 credit)** (*Juniors and Seniors only – teacher pre-approval required*)

A student may explore a specialized area of technology studies under the direction of a technology teacher.

# High School Electives and Education Enrichment Program (EEP) Classes

Electives are offered according to student demand, teacher availability, and scheduling accommodations. Students must earn at least one credit in Fine Arts and one-half credit in Health to graduate. Electives and EEP classes run on a semester basis. **MACA reserves the right to not offer an elective if there is not sufficient interest.**

## Fine Arts Electives

### Art: Symbolism and Metaphor – (1/2 credit per semester)

This course will examine and explore not only the history of symbolism and metaphor in art from the past but also what can be interpreted as modern symbolism. Students will begin to establish their own symbolic iconography. The ultimate goal is that by establishing a “language” the student can express his/her own personal visual narrative. Students will have the opportunity to create their personal art portfolio.

### HS Studio Art – (1/2 credit per semester)

Studio art is designed to give the students experience with a variety of media, as well as exposure to the major movements in the field of art. Students will learn to create with the elements of art (line, shape, color, value, texture, space, and form), as well as demonstrate a knowledge and appreciation of art styles and composition

### Graphic Design - (1 credit, full-year course)

Students will be introduced to the tools and techniques of Adobe Photoshop and Adobe InDesign. Completion of this course will provide students with an understanding of how to correct and manipulate images as well as construct documents in an aesthetically pleasing way.

### Yearbook – (1 credit, full-year course)

#### ***Prerequisite: Teacher approval***

In this course, students will gain skills in one or more of the following areas: design, advanced publishing techniques, copywriting, editing and photography while producing a creative, innovative yearbook which records school memories and events. Participants gain useful, real world skills in time management, marketing, teamwork and design principles.

## **Other Electives**

**College and Career Preparedness – (1/2 credit)** (1 semester, fall only, Pass/Fail course, Seniors only)

The College and Career Preparedness course presents a unique opportunity for seniors to have the resources and assistance they need in order to successfully navigate the challenges of exploring careers and majors, the college search process, applying to colleges, application essay writing, investigating ways to finance college, college/campus life and job application skills (cover letters, resumes, and interviewing). The goal of the course is to provide instruction in topics that will be most practical and helpful to the student's senior-year needs and transition beyond MACA.

**Communication – (1/2 credit)** (Hybrid course format)

Communication is a one semester course which is designed to provide students with the best possible training in public speaking and communication. It is a comprehensive study of public speaking, intended to give the student purpose, practice, and polish in any speaking situation. Coursework includes discussions of the communication process, listening, audience analysis, research and organization of ideas. Students will present a minimum of four speeches. **This course (or a comparable course) is required for graduation.**

**Freshman Seminar - (1/4 credit)** Pass/Fail (Required for all freshman, Fall only)

During Freshman Seminar, students will receive additional instruction and practice using Moodle, Google Drive, and other organizational tools to set them up for success as they transition to high school. Some of this time will also be dedicated to quiet, focused study time.

**Junior and Senior Internship - (.125 credit)**

Students in grades 11-12 enter the workforce for three designated school days (a minimum of 21 hours) to perform tasks helpful to the company and appropriate to the students' capabilities. The purpose of the MACA Internship is to enable high school students to explore fields of employment to help determine if future studies or pursuits in those careers are desired. Students also complete research on the career they choose to intern with and complete a reflection journal of their experience. **Junior and senior internships are a MACA graduation requirement.**

**STEM Elective – (1/2 credit per semester)**

Inspired by the nationwide attention on science, technology, engineering, and math education, the result has been the creation of a unique course, simply called STEM. Students attend STEM in addition to their regular science and math classes. The STEM course, however, is not an add-on math, science, or technology course. The goal of STEM is to foster a learning



environment in which students are guided to produce original ideas, objects, and structures according to certain specifications using concepts and skills from math, science, and technology. Although students make the math, science, and technology connections, those are still not the main focus of the course. Rather, the mission of the course is to grow students' capacity for creativity and back-loaded learning in a STEM context.

**Teacher's Aide – (1/2 credit per semester)** (*Juniors and Seniors only; pre-arrangement with teacher*)

Students will be given the opportunity to assist teachers or work in the library under the approval of the Registrar or Academic Dean. Possible duties include helping with bulletin boards, making copies, working with a younger struggling student, or grading papers (lower grades only). Students will maintain a daily journal as well as complete a quarterly paper or project.

**Tutorial Study Hall - (1/2 credit per semester)** Fee-based; Learning Edge Program Expansion

This is an elective course designed to equip students with school success skills. This smaller, teacher-directed group class (usually 1:8 teacher/students maximum) focuses mostly on executive functioning skills such as organizing time and materials, developing study skills, and setting and achieving goals. The course is taken in place of a study hall and receives a half credit per semester. *A formal accommodations plan is not required for student enrollment in this course. This level of support also includes collaboration with teachers and coordination of the students' documented accommodations, if needed.*

**Academic Studies - (1/2 credit per semester)** Fee-based; Learning Edge Program Expansion

***Prerequisite: Students qualify for classroom accommodations.***

This course meets as a regularly scheduled small group (usually 4-5 students). This course provides academic support (targeted intervention/remediation and pre-teaching or re-teaching) for one or more content areas.

**Drama – (1/4 Fine Arts credit each semester)**

Drama class will attempt to work on major productions and/or some small skits throughout the year. Students will learn proper technique of acting and speaking and will apply what they have learned in the productions.

**HS Audio/Tech Team – (1/4 Fine Arts credit each year)**

In this introductory course, students learn the fundamentals of sound board technology and how to control and mix sound during a performance. As students advance, they use their skills to support MACA programs and weekly worship services.

**HS/ MS Worship Team** – (various Fine Arts credits depending on level of involvement)

***Prerequisite: Audition***

The worship team will learn and lead the music for the weekly MACA Secondary Chapels. Students may also be asked to perform at various school programs such as Grandparent's Day, Baccalaureate, Awards Ceremonies, etc. Students will also be required to join classes throughout the week such as a vocal training class, musicianship class, songwriting and worship leading skills class. This will allow time for in-depth study in advancing vocal training, theory skills, musicianship, songwriting, and worship leading skills. Depending on the position on the team, students will be placed in one, two or all classes. The amount of credit you receive will depend on how many classes in which you are enrolled. There also may be vocal ensemble song selections or worship leading for special on-campus or off-campus events throughout the year. Students are required to attend rehearsals for these special events.

**Non-Credit Electives**

**Study Hall** – (No credit)

Students may enroll in a study hall for any class period during the day.

**MACA reserves the right to cancel any class for insufficient enrollment.**