

High School Course and Curriculum Guide

**Arborbrook Christian Academy
2019-2020**

www.arborbrook.org

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Recommended course of study for high school students

Below is the recommended course load for High Schools students. Optional and semester long courses during the Junior and Senior year are noted. Our guidance counselor meets with students every year to develop a course load that is right for them.

Students will take one math course per year but can be advanced one grade in the math track. Dual Enrollment classes are encouraged for all students but not required. Students can take Honors in all core classes starting their Freshman year.

Grade 9

Freshmen Literature and Composition
Algebra 1 / Geometry+
Environmental Science
Spanish 1
World History
Bible
Health & PE
Chromebook 101
Elective (1.5)

Grade 10

British Literature & Composition
Geometry/Algebra II+
Biology
Spanish II
US History 1
Bible
Worldview
Elective (2)

Grade 11

American Literature & Composition
Algebra II / Pre Calculus +
Chemistry
Dual Enrollment Spanish III*
Dual Enrollment / CP US History II
Christian Apologetics
Bible
Junior Seminar ^
Leadership Training ^
Sociology *^
Elective (1)

Grade 12

Dual Enrollment / CP World Literature^
Dual Enrollment Language/Composition^
Pre Calculus / Dual Enrollment Calculus*+
Dual Enrollment Anatomy & Physiology*^
Dual Enrollment Physics*^
Dual Enrollment / CP US Government^
Economics^
Bible
Advanced Apologetics*
Psychology *^
Elective (2)

*optional course

^semester course

+students can be advanced one year in Mathematics

CP- College Prep / These courses are offered at both levels.

Advanced Program and Courses

Arborbrook offers an Honors program in all four years of High School and a Dual Enrollment program in the Junior and Senior year. These courses are designed to engage students at a deeper level in the given subject matter and fully prepare them for college work.

Students receive one extra quality point in the GPA for Honors classes and two extra quality points in their GPA for Dual Enrollment classes.

Honors courses Offered

Humanities

Freshman Literature & Composition
British Literature & Composition
American Literature & Composition
Spanish I
Spanish II
World History
US History 1
Economics

Math & Science

Algebra I
Geometry
Algebra II
Pre Calculus
Environmental Science
Biology
Chemistry

Dual Enrollment Courses Offered

Humanities

World Literature
Senior Language & Composition
Spanish III
US History II
US Government
Sociology

Math & Science

Calculus
Anatomy & Physiology
Physics
Psychology

Elective Program and Courses

Arborbrook offers elective courses in the fine arts and STEM. Students have the option of taking an Art or Tech track over the course of four years. These tracks allow students to develop a portfolio or body of work and knowledge over time.

STEM courses offered

Chromebook 101
Web Design 1 *
Web Design II
Graphics Arts
Advanced Technology

Fine Arts Courses Offered

Foundations in Art
Painting
Mixed Media
Drawing
Printmaking
Studio Art
Theater
Worship Band

*Arborbrook has partnered with Treehouse.com to provide instruction in Web Design. We hope to continue this partnership to provide students with instruction in coding and networking in future years.

Additional Elective Offerings

The following classes have been offered to meet and further students' interests. These courses are generally offered every other year. Additional courses TBD may be added dependent upon student need and interest.

Archery
Coaching/Sports Ministry
Communications/Public Speaking
Culinary Arts
Sign Language

Dual Enrollment Program and Courses

Arborbrook partners with Ocean County College in Ocean County, NJ to offer embedded dual enrollment courses to our Juniors and Seniors.

- ❖ These courses are taught on our campus by our teachers during the school day.
- ❖ Students receive up to three hours of college credit per course that can be transferred to colleges and universities after students graduate.
- ❖ Students can earn a potential of 24 credit hours prior to graduation. This equals one Freshman year of college.
- ❖ Students also receive experience in taking challenging college level courses with Christian teachers who know and care for them. These courses are excellent preparation for the college learning environment.

There is a distinct advantage of taking DE classes over AP classes.

- ❖ DE credits are guaranteed. AP college credits are never guaranteed.
- ❖ AP courses try to mimic college courses. DE courses ARE college courses.

Arborbrook will pay for the first 3 credit hours for Juniors and 7 credit hours for Seniors.

- ❖ That is a benefit of up to \$1000 per student.
- ❖ Credits equaling an entire Freshman year of college would cost only \$1400 to families.

Course Descriptions

Psychology 172 (3 credit hours)

This introductory course focuses on the study of behavior and cognitive processes. Emphasis is on neuroscience, states of consciousness, human development, sensation and perception, learning, memory, intelligence, emotion and motivation, personality, psychological disorders, psychotherapy, and social behavior.

Sociology 181 (3 credit hours)

This course presents the fundamental concepts, sociological perspectives, and methods of social research. Course topics include culture, socialization, deviance, social class, race and ethnicity, and gender and sexuality.

Biology 130, Anatomy & Physiology (4 credit hours)

This course is encouraged for those wishing to pursue a Science or Health major in college. Students will learn about the structure of the human body by studying and memorizing the various systems.

English 151 (3 credit hours)

This fall semester course will instruct students in academic and persuasive writing. Students will learn and practice the writing skills necessary to succeed in a college academic setting.

English 152 (3 credit hours)

This spring semester course will instruct students in the analysis of literature. Students will read various texts and learn the skills associated with comprehending works written at a collegiate level.

Elementary Spanish 1 & 2 (3 credit hours per class)

In these two semester courses, students will study and practice advanced Spanish working towards fluency and mastery through the use of classic Spanish literature, film, and in-depth projects.

The following courses will be offered in the 2019-2020 school year. Course descriptions will be available in summer of 2019:

Physics (4 credit hours)

Economics (3 credit hours)

US Government (3 credit hours)

College Prep & Honors Courses

Course Descriptions 2019-2020

Math:

Algebra I

In Algebra I, students will focus on the fundamental aspects of problem solving, while introducing variables and their properties. They will gain skills in linear graphing and apply algebraic concepts to various real-life problem solving. The text for this course is *Algebra I, Third Edition* by Bob Jones University Press.

Geometry

In Geometry, students will learn to prove theorems, and apply several concepts such as constructions, area, and volume in real-life applications. They will use technology in problem solving and focus on analytic geometry. The text for this course is *Geometry, Third Edition* by Bob Jones University Press.

Algebra II

In Algebra II, students will master the topics covered in Algebra I and advance to increasingly complex concepts. The main focus of the class is algebra and the practice of skills such as completing the square, simplification of radicals, abstract equations, advanced inequalities and graphing. It includes several lessons that lay the foundation for fundamental physics and chemistry. The text for this course is *Algebra II, Third Edition* by Bob Jones University Press.

Pre-Calculus

This course focuses on trigonometry, logarithms, geometry, and upper-level algebra. There is a heavy emphasis on problem solving skills. The concepts covered in this course are meant to prepare students for calculus, physics and other advanced mathematics courses in college. The text for this course is *Pre Calculus* by Bob Jones University Press.

Science:

Environmental Science

In this course, students will study units such as Ecology, Land and Water Use, Energy, and Sustainability. Students will gain scientific knowledge and skills as they develop an appreciation of God's creation. The text used for this course is *Environmental Science: Toward a Sustainable Future*, 11th edition by Richard Wright.

Biology

In this course, students will gain a deeper understanding of the chemistry of Life, Cells, Life Functions and Genetics through theoretical concepts, activities, and labs. Students will appreciate the complexity and majesty of God's creation firsthand. The text for this course is *McDougal Littell Biology*

Chemistry

In this course, students will study units including matter, the language of Chemistry, phases of Matter, solutions, and their behavior, and Energy. Students will gain scientific knowledge and

skills as they develop an appreciation of God's creation. The text for this course is *Modern Chemistry* by Holt, Rinehart, and Winston

History:

World History

Students will study events in World History from Exploration to the present day, considering significant people, events, and changing ideas throughout history. The text for this class is *World History for Christian Schools, 2nd Ed.* by BJU Press. Texts will also include a historical fiction novel.

U.S. History I

Students will study events in American History from the Native Americans, Early Explorers, and First Settlers, through the American Revolution, Civil War, and Reconstruction.

The text used for this course is *America: The Last Best Hope* by William Bennett, covering the years from 1492-1914. Texts will also include *Common Sense* by Thomas Paine and *Narrative of the Life of Frederick Douglass*.

Economics

Students learn fundamental economic theories and how they have influenced our society, nation, and world throughout history. The text is Notgrass *Economics*.

* In all History classes, students will read original source documents, debate topics, research, write, participate in group discussions, prepare oral presentations and do projects, all with the goal of making history come alive. Students will also analyze current events..

English:

Freshman Literature and Composition

This class will introduce students to the study of English at the high school level. Students will begin to learn how to analyze literary texts and write academic papers. Students will write a major research paper comparing characters in *Animal Farm* to their counterparts in the Russian Revolution. Students will also engage in creative writing. Some of the authors studied during the year range from Homer and Henry David Thoreau to Edgar Allan Poe and Harper Lee.. The Shakespeare play for this year is *Hamlet*. Additionally, students will study grammar and vocabulary using *Wordly Wise* and *Sentence Composing for High School*.

British Literature and Composition

British literature is the focus of this class, reading the classic works *Frankenstein*, *The Screwtape Letters*, *Beowulf* and *The Canterbury Tales* among others. The Shakespeare play for this year is *Romeo and Juliet*. The writing emphasis is on narrative, descriptive, and reflective writing. Additionally students will study grammar and vocabulary with *Wordly Wise* and *Grammar for High School, A Sentence Composing Approach*

American Literature and Composition

Students will read such books as *The Scarlet Letter*, *The Adventures of Huckleberry Finn*, *The Old Man and the Sea*, *The Great Gatsby*, and *A Raisin in the Sun* among other titles. The Shakespeare play for this year is *Taming of the Shrew*. Writing will include analytic papers based on the literature and a research paper. Students will study grammar and vocabulary using *Wordly Wise* and *Paragraphs for High School*.

World Literature and Composition

Russian literature and World literature will be the focus of this class. Students will read *Crime and Punishment*, *Things Fall Apart*, short stories by Tolstoy, and *Night*, among other great works. The Shakespeare play for this year is *As You Like It*. Students will write analytic and persuasive papers, They will study grammar and vocabulary usage with *Wordly Wise* and *Non-Fiction Writing for High School*

Foreign Language:

Spanish I

Students will learn Spanish through direct instruction, conversation and grammar. Textbooks used are *Spanish I* from Paso a Paso and Barron's *501 Spanish Verbs*.

Spanish II

Students will continue to learn and refine their conversational Spanish and Spanish grammar through direct instruction, reading, projects, and interactions with other Spanish speakers. Textbooks used are *Spanish II* from Paso a Paso and Barron's *501 Spanish Verbs*.

Bible:

Bible

Students will participate in small group Bible studies, reading & discussing Scripture, learning spiritual disciplines such as verse memory, and praying for one another as they grow into mature and effective followers of Christ. Students will also engage in inductive Bible study of an Old and New testament book on a rotating basis all four years.

Worldview

Surveys reveal that a majority of Christian young people walk away from Christ after four years of a university education. Why? Because they are not prepared to defend their faith in a world that, in most cases, presents ideas contrary to their biblical beliefs. This class will take students on a journey into the world of ideas that are shaping our culture, surveying different worldviews, while teaching them to respond with a Christian worldview. The text used for this course is *The Universe Next Door* by James Sire.

Apologetics

This course will concentrate on learning how to defend the faith, emphasizing biblical truth and counter-cultural reasoning with the goal of the student being prepared to impact his or her world for the Kingdom. Text used is *On Guard: Defending your Faith with Reason and Precision* by William Lane Craig.

Advanced Apologetics

This course furthers student understanding of Christian apologetics especially in preparation for college and careers after high school. The goal is to prepare students for the questions and attacks that come in secular environments. Texts vary depending upon topics.

Auxiliary Courses:

P.E./Health

Using a wonderful resource called *Made in His Image* by Randy J. Guliuzza, students will discover the complexities of the human body while learning practical skills of how to be a good steward of our bodies. A mix of practical hands-on skills training and classroom instruction, this will offer students a wide variety of exposure to basic foundational life skills in the area of fitness and health.

Junior Seminar

In this semester course taken the Spring semester of Junior year, students learn how to apply to college and explore options for after High School. They also learn the tools necessary to assess which schools and careers will be best for them. This course is highly interactive and reflective for students. This course is taught by our Guidance Counselor who takes time with each student to develop a plan for them after high school.

Leadership Training

This semester course taken during the Fall semester of Junior year is taught by Dr. Zawacki. He helps students understand the fundamentals of Christian leadership and learn how they can develop their own leadership skills in the context of God's kingdom.