

Ocala Christian Academy

COURSE DESCRIPTION LIST

2015-2016 (Not all classes are offered every year)

OCA Mission Statement

Ocala Christian Academy exists to prepare man to fulfill his duty to God. Ecclesiastes 12:13 states, "Let us hear the conclusion of the whole matter: fear God, and keep His commandments: for this is the whole duty of man."

The goal of Ocala Christian Academy is for each person to have eternity set in his heart.

As Ecclesiastes 9:10 states, "Whatsoever thy hand findeth to do, do it with thy might; for there is no work, nor device, nor knowledge, nor wisdom, in the grave, whither thou goest."

Therefore, Ocala Christian Academy strives to help each student achieve his or her best in biblical, spiritual, academic, citizenship, and relational goals through its curriculum and instructional methods so that each student may know God's will for his or her life and pursue it.



Department of Bible

Bible is taught all four years at Ocala Christian Academy. Students are required to have one credit of Bible for every year in high school at OCA. Bible is an integral base for our entire curriculum. The Old Testament and New Testament are covered with emphasis on various books of the Bible. The concept of Christian conduct, growth in life based on principles taught in the Bible, and the need to live for Christ are discussed throughout the four years. Courses offered will include: Bible Doctrines; Early Church History; Genesis and Revelation; and Patterns for Family Living.

Department of Fine Arts

Chorus: (1303300)

This course covers basic music fundamentals, both vocal and theory. Performance skills are taught as a group and individually. This course may be repeated for credit. It should be referred to as Chorus I, II, III, or IV. **Students are required to participate in all performances. This class requires an additional \$40 per semester course fee.**

Introduction to Music: (1301300)

This course develops knowledge and skills necessary to understand and appreciate music. It includes music activities, music reading and basic piano performance. This is not a band class. **Students are required to participate in all performances. This class requires an additional \$25 per semester course fee.**

Music Appreciation: (1301310)

This course includes discussions of the musical elements, forms, historical periods, and major composers' lives, styles and representative works. **Students are required to participate in all performances. This class requires an additional \$25 per semester course fee.**

Drawing/Painting: (0104320)

This course covers color and design, perspective, paper projects, and use of the pencil, as well as art history. Media dealt with are pencil, charcoal, water color, oil painting, etc. This course may be repeated for credit. It should be referred to as Drawing/Painting I, II, or III. **This class requires an additional \$25 per semester course fee.**

Speech: (1007300)

(.50 credits – Drama taken one semester and Speech one semester) This course includes advanced practice in speaking (extemporaneous and informative), discussion, debate, interpretation, interviewing, and parliamentary procedures. This

course is an essential element in any college preparatory program, as it aids students in the development of public speaking techniques necessary to be successful in the post-secondary world. **This class requires an additional \$25 per semester course fee.**

Drama: (0400310)

(.50 credits – Drama taken one semester and Speech one semester)

This course offers an introduction to the stage, including history, speech, and performance. Students are required to participate in all performances. This class requires an additional \$25 per semester course fee.

Department of Language

English I (9th grade): (1001310)

This course of study will review and add to the students' knowledge of basic rules of English grammar, composition, and language mechanics. Special instruction will be provided in spelling and in vocabulary usage. Literature study will concentrate on the Christian's perspective of literary works. **A research paper is required to successfully complete the course.**

English II (10th grade) (prerequisite: English I): (1001340)

This course of study provides a review and expansion of the rules of English grammar, composition and language mechanics with more emphasis given to composition. Special instruction will be provided in spelling and vocabulary usage. Literature study will concentrate, from the Christian's perspective, on world literature. **A research paper is required to successfully complete the course.**

English II Honors (10th Grade): (1001350)

Teacher recommendations and 3.20 GPA or Higher

This course includes instruction in universal themes in literature, and critical analysis of literacy genres. Composition instruction emphasizes creative, logical, and critical modes. A book report will be required each quarter from a suggested reading lists which be provided and **a research paper is required.**

English III (11th grade): (prerequisite: English II): (1001370)

The language part of this course of study is primarily a composition course with a continuing review of the basic rules of grammar and language mechanics. There will be a continuation of the study of spelling and vocabulary usage and college admissions preparation. Literature study will survey American literature. **A research paper is required to successfully complete the course.**

English III Honors (11th grade): (1001380)

Teacher recommendations and 3.20 GPA Higher

This course includes advanced study of American Literature, grammar, and writing. College admissions preparation is also addressed. Additional novels are added to those taught in the regular English III course. Composition assignments include practice in analysis, comparison and contrast, narration, and exposition. A book report will be required each quarter from a suggested reading lists which be provided and **a research paper is required.**

English IV (12th grade) (prerequisite: English III or Honors Creative Writing): (1001400)

The language course covers in review those things that were taught in earlier years. Special emphasis is given to review and implementation of composition skills in preparation for college. The study of vocabulary usage will be continued. Literature study will survey the literature of England. **A research paper is required to successfully complete the course.**

English IV Honors (12th grade):(1001410)

Teacher recommendations and 3.20 GPA or Higher

This course includes the study of British and World Literature, critical analysis, college admissions preparation, vocabulary, and advanced study of communication and interpretation skills. A book report will be required each quarter from a suggested reading lists which be provided and a research paper is required.

Spanish I: (0708340)

This course presents an introduction to the Spanish language including verb conjugation, vocabulary, oral dialogues, and translation to and from English. Written and oral practice is given on a daily basis.

Spanish II (prerequisite: Spanish I): (0708350)

This course places more concentration on past and imperfect tenses. Oral interaction between pupils and reading Spanish stories and novels aloud is also covered. **A written translation report is required to successfully complete this course.**

American Sign Language I: (1010300)

This course presents an introduction to communicating with the deaf through sign language. Special instruction will be provided on interpreting for the deaf. This class does meet the requirement of a foreign language course toward college admission.

American Sign Language II (prerequisite: American Sign Language I): (1010310)

This course continues instruction for communicating with the deaf through sign language. Special instruction will be provided on interpreting for the deaf. This class does meet the requirement of a foreign language course toward college admission.

Department of Mathematics

Algebra I (Grades 9-12): (1200310)

This course presents an introduction to the properties of real numbers including problem solving, assigning variables, factoring, and rational expressions. **This course is required for graduation.**

Algebra I Honors (Grades 9-12): (1200320)

Teacher recommendation required.

This course provides rigorous in-depth study of algebra, emphasizing deductive reasoning skills as a foundation for more advanced mathematics courses and developing the skills needed to solve mathematical problems. All concepts are reinforced in word problems using real-life applications.

Algebra II (Grades 10-12) (prerequisite: Algebra I): (1200330)

This course continues the study of algebra including functions, determinants, systems of linear equations and inequalities, series and sequences, and solving quadratic equations.

Algebra II Honors (Grades 10-12): (1200340)

Teacher recommendation required and 3.20 GPA

This course continues the study of algebra emphasizing theory, formula development, and application. It provides a foundation for applying algebraic skills to other mathematical and scientific fields. The course topics include, but are not limited to, writing, solving, and graphing equations and inequalities, polynomials, functions, exponential, logarithmic, rational functions, and sequences and series.

Advanced Mathematics- Honors (prerequisite: Algebra I & Algebra II or Geometry):

This course fully integrates topics from algebra, geometry, trigonometry, discrete mathematics, and mathematical analysis. Conceptually oriented problems help prepare students for college entrance exams such as ACT and SAT.

Geometry (Grades 10-12): (1206310)

This course is presented as an inductive and deductive system using definitions, postulates, and theorems to establish relationships of geometric figures with proofs and real world application.

Calculus - Honors (prerequisites: Algebra II & Advanced Mathematics or equivalent): (1202300)

This course covers all topics of Calculus AB and BC, trigonometry, and analytic geometry. Instruction takes full advantage of graphing calculators, using them for visual demonstrations of concepts and confirming calculations. The course is designed for prospective mathematics majors and students interested in engineering, computer science, physics, business, or the life sciences.

Consumer Mathematics (prerequisite: Algebra I or Geometry): (1205370)

This course provides a look at mathematics from the consumer perspective including buying a car, budgeting, food, housing, taxes, banking, and investments. This course is not recommended in place of other mathematics courses for those students seeking scholarship opportunities. This course is offered alternating years.

Business Mathematics (prerequisite: Algebra I and Geometry): (1205540)

This course provides a look at mathematics from the business perspective including payroll, record keeping, wholesales, investments, banking, commissions, and retail buying and selling. This course is not recommended in place of other mathematics courses for those students seeking scholarship opportunities. This course is offered alternating years.

Department of Physical Education

Health Opportunities through Physical Education: (3026010)

This course is designed to help young people better understand their personal capabilities from a physical fitness standpoint, and to enable them to use basic knowledge about the effects of exercise in establishing a personal fitness program. The class will cover such topics as exercise, personal hygiene, and nutrition. This course also provides the student with an understanding of the basic needs of the human body, and helps the student to learn how to care for himself physically, emotionally, socially, and spiritually within the boundaries of God's Word. Other concepts taught include first aid, safety, dating principles, sexually transmitted

diseases, sex education from a Biblical perspective, and the dangers of drugs and alcohol. **This course is required for graduation. This course replaces Life Management Skills and Personal Fitness. This class requires an additional \$25 first semester course fee.**

Department of Science

Physical Science (9th Grade): (2003310)

This course is designed to acquaint the student with meteorology, oceanography, chemistry, geology, and physics. All students in the ninth grade are required to take Physical Science. This class requires an additional \$40 per semester course fee.

Biology (10th Grade) (prerequisite: Physical Science or equivalent): (2000310)

This is a lab course designed to acquaint the student with the origin, physiology, and classification of living organisms. **All students in the tenth grade are required to take Biology. This class requires an additional \$40 per semester course fee.**

Biology I Honors (10th Grade): (2000320)

Teacher recommendation required and 3.20 GPA

This course focuses on ecology, cell biology, genetics, molecular biology and evolution. A science project that spans a semester is required. Students who take this class should have a high interest in science, excellent study habits and a high level of maturity (required for working in lab groups). Students are required to submit a potential science fair project plan (high school level) that will be reviewed by the teacher before they will be admitted to the class.

Chemistry (Grades 10-12) (prerequisite: Algebra I & Biology): (2003340)

This is a lab course which includes the study of the composition, properties, and changes associated with matter, such as classification of matter, chemical reactions, inorganic and organic substances, and chemicals in everyday living. **This class requires an additional \$40 per semester course fee.**

Chemistry I Honors (Grade 10-12) (prerequisite: Algebra I): (2003350)

Teacher recommendation required

This is a rigorous upper level course with an in-depth study of matter and energy, atomic structure, chemical symbols and formulas, gas laws, and periodicity. The students should have excellent skills in algebra, reading comprehension, problem

solving, and memorization. Comprehensive labs supplement the class work. Students are required to submit a potential science fair project plan (high school level) that will be reviewed by the teacher before they will be admitted to the class.

Physics – Honors (prerequisite: Algebra II or Geometry):

This course explores the world of forces, movement, mechanics, and energy. The foundations of electricity, magnetism, and optics will also be covered. Lab work incorporating math skills is included. **This class will be offered via Florida Virtual School, and is available as an honors course as well. This class requires an additional \$40 per semester course fee.**

Department of Social Studies

World History (Grade 10): (21409310)

This course provides students with an understanding of the chronological development of the nations of the world and an examination of their political, social, and economic developments.

World History Honors (Grade 10): (2109320)

Teacher recommendation and 3.20 GPA or Higher

This course involves much reading, researching, writing, discussing, and analyzing. It covers major political, military, economic, social, literary, religious, and technological events and trends in the world from prehistory to present.

United States History (Grade 11): (2100310)

This course provides students with an understanding of the chronological development of the American people by examining the political, social, economic, religious, military, scientific, and other events which have affected the rise and growth of our nation.

United States History Honors (Grade 11): (2100320)

Teacher recommendation and 3.20 GPA or higher

This course involves extensive reading, writing, and speaking about the major political, military, economic, social, literary, religious, and technological events and trends in the U.S. from the Civil War to the present. Students will also learn to interpret historical documents and write comprehensive essays and research projects. They should expect to sharpen their analytical and critical thinking skills.

United States Government: Grade 12: (1/2 credit): (2106310)

Students will gain an understanding of American government and political behavior essential for effective citizenship and active involvement in a democratic American society.

United States Government Honors: Grade 12: (1/2 credit): (2106320)

Teacher recommendation required and 3.20 GPA or Higher

This course includes topics covered in regular American Government with additional emphasis on writing. **An outside class project may be required.**

Economics: Grade 12 (1/2 credit): (2102310)

This course provides the knowledge and decision-making tools necessary for understanding how society organizes its limited resources to satisfy its wants. Students gain an understanding of choices they make as producers, consumers, investors, and taxpayers.

Economics Honors: Grade 12 (1/2 credit): (2102320)

Teacher recommendation required and 3.20 GPA or Higher

This course includes topics covered in regular Economics; course also includes in-depth unit on securities and personal investments.

Department of Vocational Arts

Communications Technology: (8601010)

This course teaches the foundation for communication through media and technology. Students will learn to publish and create media that communicates in an effective way. From printed media to web sites, students will gain knowledge of the latest ways of effective communication and design. Meeting deadlines is a fundamental part of this course. Students will use tools, materials, equipment and processes in developing visual and graphic images. Hands-on activities include photography, printing, producing digital videos and technically drawing products using computer graphic methods. **This class requires an additional \$40 per semester course fee.**

Family, Home, and Consumer Tech: (8500365)

This course will stress the fundamentals of living in a Christian home and building a home founded on Biblical principles. Using a 21st century approach to family life, the course will prepare students for roles present and future – as children, friends, spouses, parents, in-laws, and care givers. This course addresses the basic and

emerging challenges of the modern home, and will cover subjects such as personal grooming, art and design, clothing, etiquette, dating and courtship, finances, employment, family life around the world, and much more. The class will involve several “hands on” projects to further enhance the learning experience. **This class requires an additional \$25 per semester course fee.**

Drafting: (8600810)

(This is an online course offered through a FDOE approved provider.) This course provides students with an introduction to the knowledge, human relations, and technical skills of drafting technology. Students begin the year with manual drafting, which is followed by ACAD computerized drafting. **This class requires an additional \$175 course fee.**

Teacher Assisting: (8909010)

This course offers the student the opportunity to gain classroom experience in the educational field. Students will be assigned to various faculty members and given specific responsibilities in their classroom. This course may be repeated for credit as Teacher Assisting I, II, and III.

Florida Virtual School

These courses require the student to work independently to meet all requirements of the course selected. Students wishing to take a Florida Virtual School course should indicate this by selecting “Florida Virtual School” and the exact course(s) on their selection sheet. Not all selected courses may be available each year. **This option is available to students needing to make up a required credit. Please make sure you have read and understand the policy on Florida Virtual School listed on the Class Selection Cover Letter and in the 2015-2016 Home and School Handbook.** Each Florida Virtual School course requires an additional \$40 per semester course fee.