



SEVENTH-DAY ADVENTIST EDUCATION

Curriculum Guide 2023-24



FOREST LAKE ACADEMY

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INTRODUCTION

Forest Lake Academy (FLA) is dedicated to the continuous pursuit of academic excellence. The curriculum at FLA is designed to show students Christ, nurture their love for Him and others, teach them to think critically, and empower them as scholars to live the gospel.

We are excited you have chosen Forest Lake Academy (FLA) for your students' education. In this curriculum guide, you will find the classes offered along with the typical courses students take for each diploma type. In addition, you will find a flow chart for what grades would be needed as prerequisites for specific courses. Additional prerequisites are included in the course descriptions. We hope this is a tool that will help you as you begin to plan for your student. As always, please do not hesitate to reach out to our school administration or registrar if you have any questions.

DIPLOMA REQUIREMENTS

These charts depict each diploma's typical course options for students. Other course combinations are possible but unusual. Suggested classes are pending fulfilling prerequisites. Contact the registrar's office for more information.

General 24 credits / 2.0 GPA				
Department	Freshman	Sophomore	Junior	Senior
<i>Bible</i>	Bible 9	Bible 10	Bible 11 <i>or</i> Junior Servant Leadership	Bible 12 <i>or</i> Senior Servant Leadership
<i>English</i>	English 9	World Literature 10	American Literature 11	English Literature 12
<i>Social Studies</i>	N/A	World History	US History	US Government and Economics
<i>Math</i>	Algebra 1 <i>or</i> Algebra 1A	Geometry <i>or</i> Algebra 1B	Algebra 2 <i>or</i> Geometry <i>or</i> Math for College Liberal Arts <i>or</i> Mathematics Data and Financial Literacy	Math for College Liberal Arts <i>or</i> Mathematics Data and Financial Literacy <i>or</i> Algebra 2
<i>Science</i>	Biology <i>or</i> Earth Science	Biology <i>or</i> Environmental Science	Chemistry <i>or</i> Environmental Science	N/A
<i>Fine Art (1)</i>	Choice of Fine Arts	If desired	If desired	If desired
<i>PE*</i>	Fitness for Life	Fitness for Life (If not taken Freshman year)	N/A	Health and Individual Sports
<i>Vocational (1)*</i>	Computer Essentials <i>or</i> Innovation I & II	Computer Essentials (If not taken Freshman year)	N/A	N/A
<i>Elective</i>	Life Skills and Personal Financial Literacy	Online course**; Drivers Education is the suggested course	Elective of choice	If desired

*Either the PE or Vocational class should be deferred until the student's Sophomore school year.

**State of Florida requirement, see course description for further details

College Preparatory 26 credits / 3.0 GPA				
Department	Freshman	Sophomore	Junior	Senior
<i>Bible</i>	Bible 9	Bible 10	Bible 11 <i>or</i> Junior Servant Leadership	Bible 12 <i>or</i> Senior Servant Leadership <i>or</i> DE Bible
<i>English</i>	English 9	World Literature 10	American Literature 11	English Literature 12 <i>or</i> DE English I & II
<i>Social Studies</i>	N/A	World History	US History	US Government and Economics
<i>Math</i>	Algebra 1 <i>or</i> Geometry <i>or</i> Algebra 1A	Geometry <i>or</i> Algebra 2 <i>or</i> Algebra 1B	Algebra 2 <i>or</i> Geometry <i>or</i> Math for College Liberal Arts <i>or</i> Mathematics Data and Financial Literacy <i>or</i> Pre-Calculus	Statistics <i>or</i> Pre-Calculus <i>or</i> Mathematics Data and Financial Literacy <i>or</i> Math for College Liberal Arts <i>or</i> DE Statistics and Calculus I
<i>Science</i>	Biology <i>or</i> Earth Science	Environmental Science <i>or</i> Chemistry	Chemistry <i>or</i> Environmental Science <i>or</i> Physics <i>or</i> Marine Science	N/A
<i>Fine Art (1)</i>	Choice of Fine Arts	If desired	If desired	If desired
<i>PE*</i>	Fitness for Life	Fitness for Life (If not taken Freshman year)	N/A	Health and Individual Sports
<i>Vocational (1)*</i>	Computer Essentials <i>or</i> Innovation I & II	Computer Essentials (If not taken Freshman year)	N/A	N/A
<i>Foreign Language</i>	N/A	N/A	Spanish 1	Spanish 2
<i>Elective</i>	Life Skills and Personal Financial Literacy	Online course** Drivers Education is the suggested course	If desired	If desired

*Either the PE or Vocational class should be deferred until the student's Sophomore school year

**State of Florida requirement, see course description for further details

Honors <i>28 credits / 3.75 GPA / 8 honors classes taken at FLA</i>				
Department	Freshman	Sophomore	Junior	Senior
<i>Bible</i>	Bible 9	Bible 10	Bible 11 <i>or</i> Junior Servant Leadership	Bible 12 <i>or</i> Senior Servant Leadership <i>or</i> DE Bible
<i>English</i>	English 9 Honors	World Literature 10 Honors	American Literature 11 Honors	English Literature 12 <i>or</i> DE English I & II
<i>Social Studies</i>	N/A	World History Honors	US History Honors	US Government <i>or</i> US Government Honors and Economics
<i>Math</i>	Algebra 1 <i>or</i> Geometry Honors	Geometry Honors <i>or</i> Algebra 2 Honors	Algebra 2 Honors <i>or</i> Pre-Calculus	Statistics <i>or</i> Pre-Calculus Honors <i>or</i> College Math <i>or</i> DE Statistics and Calculus I
<i>Science</i>	Biology Honors	Chemistry Honors	Physics Honors <i>or</i> Marine Science	Marine Science <i>or</i> DE A&P (Optional)
<i>Fine Art (1)</i>	Choice of Fine Arts	If desired	If desired	If desired
<i>PE*</i>	Fitness for Life	Fitness for Life (If not taken Freshman year)	N/A	Health and Individual Sports
<i>Vocational (1)*</i>	Computer Essentials <i>or</i> Innovation I & II	Fitness for Life (If not taken Freshman year)	N/A	N/A
<i>Foreign Language</i>	N/A	N/A	Spanish 1	Spanish 2
<i>Elective</i>	Life Skills and Personal Financial Literacy	Online course**	Required if not taking a Fine Art	Required if not taking a fourth science <i>or</i> Fine Art

*Either the PE or Vocational class should be deferred until the student's Sophomore school year

**State of Florida requirement, see course description for further details

ACADEMIC LEVELS

Students with assistance from parents, the school counselor, the registrar, and vice principals will build a schedule of classes from three academic levels. Some courses carry prerequisites that must be met prior to scheduling, such as completing the application process, and receiving committee approval. In addition, honors courses will require teacher recommendation. Each student will meet with scheduling staff to ensure a course of study that meets his or her individual academic plan, interests, and goals.

Note: Some colleges and Bright Futures Scholarships consider only grades in core academic courses in computing a grade point average. In addition, some classes may not meet Bright Futures' requirements. Please contact the Florida Department of Education for updated requirements.

General Diploma

These courses follow a core curriculum (language arts, math, science, and social studies) without including a foreign language. Additional electives may be required to meet graduation requirements. Some colleges may require additional requirements with a general diploma prior to full acceptance.

College Preparatory

These courses follow a core curriculum (language arts, math, science, foreign language, and social studies) that will prepare students for admission to most colleges.

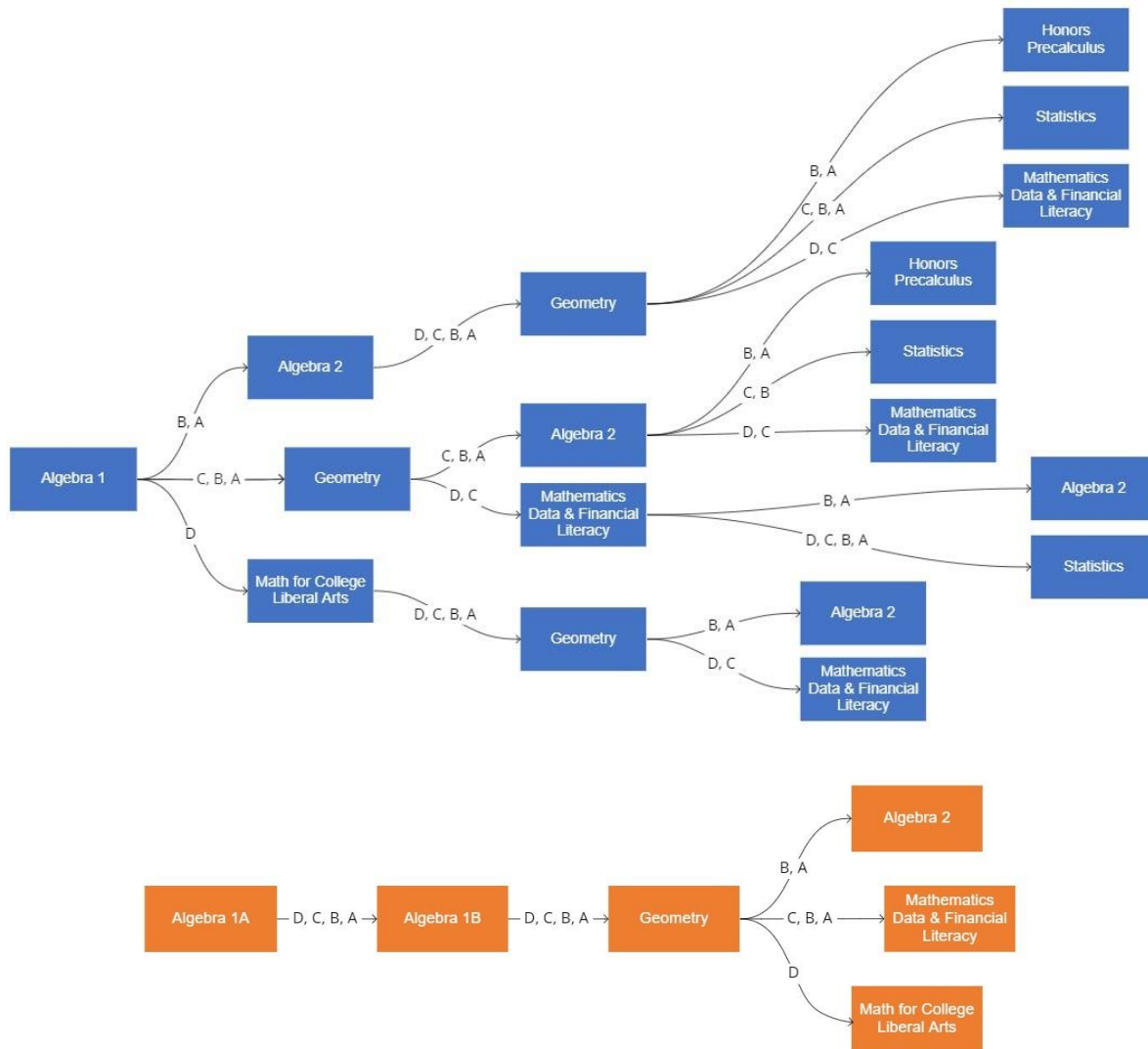
Honors / Dual Enrollment

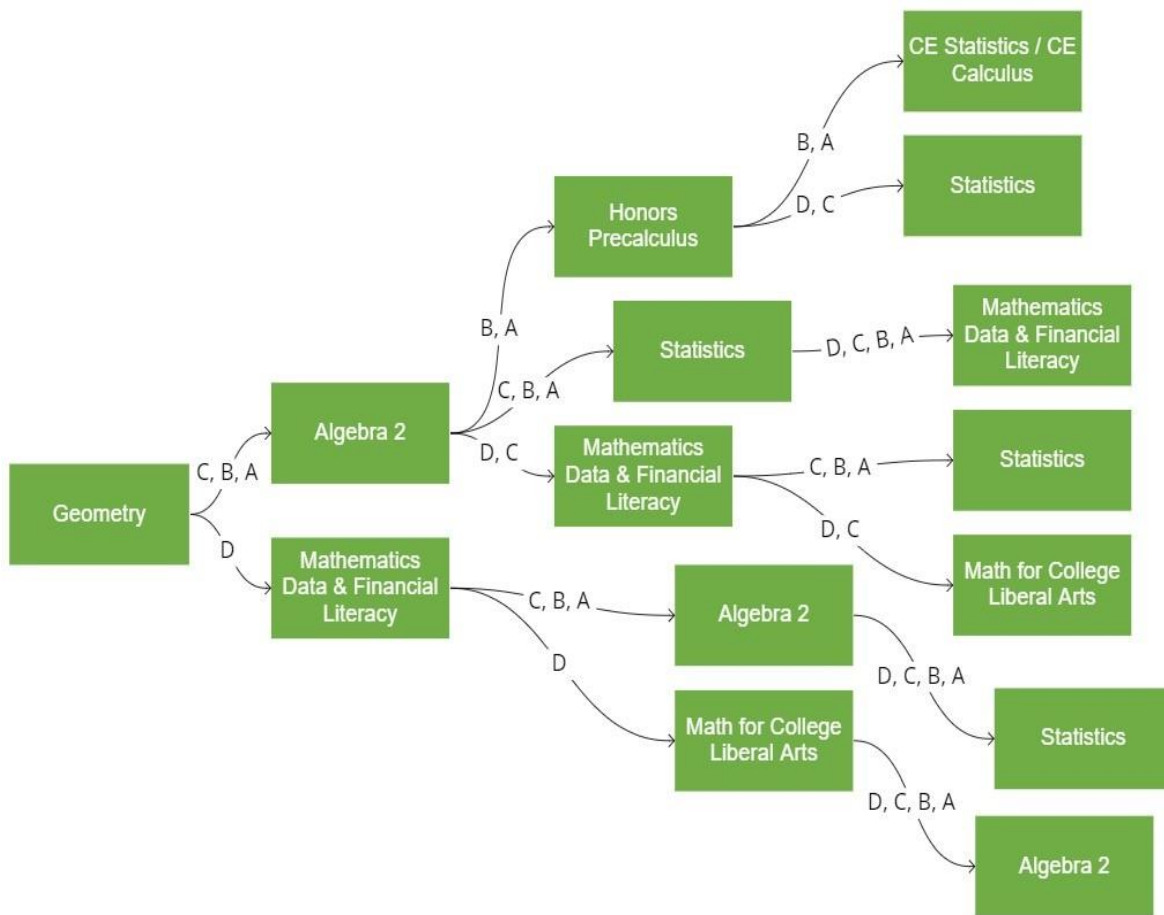
Honors courses offer a core curriculum that provides greater depth of subject matter and may include assignments that require more independent work effort. They frequently carry prerequisite courses and GPA requirements. Honors-level courses prepare students for admission to competitive colleges and are weighted by a factor of 1.0 (one point). Students who wish to take an honors course must have a minimum subject unweighted GPA of 3.5 to qualify them to complete the Honors Course Request Application. If accepted into the Honors Course, students must also maintain a minimum grade average of a B to remain in the course. Students must have an unweighted cumulative GPA of 3.75 to receive an Honors Diploma.

Dual Enrollment (DE) courses offer a college-level curriculum. They require prerequisite classes, grade point average minimums, ACT/SAT testing requirements, and teacher recommendations to enroll. MAP test scores are also reviewed as part of the approval process. Dual Enrollment courses are nationally recognized as academically challenging and are designed for the motivated student. Dual Enrollment courses prepare students for selective colleges with more rigid admissions standards and are weighted by a factor of 1.0 (one point). Students and parents are encouraged to engage the counseling staff in academic-level course selection. Additional fees for Dual Enrollment courses will apply, and a minimum number of students must be satisfied for the course to be offered.

COURSE TRACKS

These charts depict the typical paths taken for the math classes here at Forest Lake Academy. Although these tracks are typically followed, there is some flexibility. For any alterations, speak to a member of the registrar's office. Letters on the charts indicate grades required as prerequisites.





COURSE DESCRIPTIONS

Math Department

Algebra I

9

2 semesters / 0.5 Math credit per semester

Prerequisites: 8th Grade Math, students will be administratively placed into Algebra 1 or Algebra 1A based on Stanford 10 Test Results, MAP Test Results, and middle school transcript

Required for graduation

Algebra 1 is designed to build the foundation for high school mathematics and science courses. Topics include, but are not limited to, functions, linear equations and inequalities, systems of linear equations and inequalities, polynomials, simplifying radical and rational expressions, solving and graphing quadratic equations, exponential functions, and introduction to probability. Additionally, students will work on test-taking skills and problem-solving techniques to successfully complete end-of-semester examinations.

Algebra 1A

9

2 semesters / 0.5 Math credit per semester

Prerequisites: 8th Grade Math, students will be administratively placed into Algebra 1 or Algebra 1A based on Stanford 10 Test Results, MAP Test Results, and middle school transcript

Fulfills Algebra requirement when taken with Algebra 1B

Algebra 1A is designed to build the foundation for high school mathematics by providing Algebra 1 in conjunction with Algebra 1B at a slower pace over two academic years. Topics include, but are not limited to, functions, linear equations and inequalities, and systems of linear equations and inequalities. Students who take Algebra 1A must continue the sequence by taking Algebra 1B in their sophomore year. This course, together with Algebra 1B, counts as the Algebra 1 requirement for graduation.

However, it does not count as one of the four credits needed to apply for the Florida Bright Futures Scholarship.

Algebra 1B

10

2 semesters / 0.5 Math credit per semester

Prerequisites: Algebra 1A

Alternate for Algebra requirement when taken with Algebra 1A

Algebra 1B is designed to build the foundation for high school mathematics by continuing to develop the Algebra skills gained in Algebra 1A. Topics include, but are not limited to, polynomials, simplifying radical and rational expressions, solving and graphing quadratic equations, exponential functions, and introduction to probability. This course, together with Algebra 1A, counts as the Algebra 1 requirement for graduation. **However, it does not count as one of the four credits needed to apply for the Florida Bright Futures Scholarship.**

Geometry

10, 11

2 semesters / 0.5 Math credit per semester

Prerequisite: Algebra 1

Required for Graduation

This course is designed to develop critical thinking skills in mathematical situations using deduction and discovery. Practical applications of geometric skills and concepts in the real world are included. Topics include, but are not limited to, logic and reasoning, proofs, application of formulas involving perimeters, areas, volumes, and surface areas. Basic principles of two-/three-dimensional figures, algebraic skills, and coordinate geometry will be used in problem-solving situations. Trigonometry is introduced and algebraic concepts such as factoring, and two-variable equations are applied to geometric situations. Additional topics include the study of lines, planes, angles, triangles, similarities, rigid transformations, congruence, explorations with polygons and circles, area and volume, and constructions. Additionally, students will work on test-taking skills and problem-solving skills to successfully complete the end-of-semester examinations.

Geometry Honors

9, 10

2 semesters / 0.5 Math credit per semester

Prerequisite: Algebra 1 and successful acceptance of Honors Application; subject GPA of 3.5

Alternate for Geometry requirement

The honors section provides a more demanding and in-depth study of geometry. It is a rigorous, logical development of the deductive system of reasoning. Additional topics include formal proof construction, the laws of sines and cosines, and an understanding of real-world applications via project-based learning topics. Additionally, students will work on test-taking skills and problem-solving skills to successfully complete the end-of-semester examinations.

Algebra II

10, 11

2 semesters / 0.5 Math credit per semester

Prerequisites: Algebra 1

Fulfills one of four math credit requirements

This course is designed to further the study of algebra by applying algebraic skills to other mathematical and scientific fields. Topics include but are not limited to functions (quadratic, polynomial, exponential, logarithmic, rational, and radical), systems, the complex number system, and a brief introduction to statistics and trigonometry. Additionally, students will work on test-taking skills and problem-solving techniques to successfully complete end-of-semester examinations.

Algebra II Honors

10, 11

2 semesters / 0.5 Math credit per semester

Prerequisites: Algebra I, successful acceptance of Honors Application; subject GPA of 3.5

Fulfills one of four math credit requirements

This course is designed to include a more rigorous, in-depth study of Algebra II. Students are expected to have a solid understanding of Algebra I. Topics include but are not limited to functions (quadratic, polynomial, exponential, logarithmic, rational, radical), systems, the complex number system, and a brief introduction to statistics and trigonometry. Additional topics studied in this course include but are not limited to conic sections, piecewise functions, asymptotic behavior, and rational graphs. Additionally, students will work on test-taking skills and problem-solving techniques to successfully complete end-of-semester examinations.

Mathematics Data and Financial Literacy

11, 12

2 semesters / 0.5 Math credit per semester

Prerequisites: Algebra 1, Geometry, Students will be administratively placed

Fulfills one of four math credit requirements

This course is designed for students who need additional instruction and content to prepare them for upper-level math. Mathematical content includes algebra, geometry, number and quantity, and statistics. This course allows students to apply mathematics in financial topics such as personal investment, retirement planning, credit card interest, savings, stewardship, and taxes. Additionally, students will work on test-taking skills and problem-solving techniques to successfully complete end-of-semester examinations.

Mathematics for College Liberal Arts

10, 11, 12

2 semesters / 0.5 Math credit per semester

Prerequisite: Algebra 1, Students will be administratively placed

Fulfills one of four math credit requirements

This course is designed to show students math in ways not seen in traditional Algebra or Geometry courses. Topics include but are not limited to solving equations, solving and graphing inequalities, understanding and evaluating linear functions and inequalities, functions and evaluating function notations, graphing linear functions, exponential functions, solving polynomials, and basics of geometry. Additionally, students will work on test-taking skills and problem-solving techniques to successfully complete end-of-semester examinations.

Pre-Calculus Honors

11, 12

2 semesters / 0.5 Math credit per semester

Prerequisite: Honors Algebra II or Completion of Algebra II with a grade of B or higher and successful acceptance of Honors Application; subject GPA of 3.5

Fulfills one of four math credit requirements

This course is designed to build a foundation for the study of Calculus. Topics presented in this course include but are not limited to graphing of functions, polynomials, rational expressions and equations, exponential and logarithmic functions, the complex number system, trigonometry, and an introduction to limits. Additionally, students will work on test-taking skills and problem-solving skills to successfully complete the end-of-semester examinations.

Probability and Statistics with Applications

11, 12

2 semesters / 0.5 Math credit per semester

Prerequisite: Algebra II

Fulfills one of four math credit requirements

This class is an introductory course in probability and statistics. This course will enable students to make use of statistical literacy to analyze and interpret data. The course includes both descriptive and inferential statistics. Topics include but are not limited to sampling techniques, measures of central tendency and variability, linear regression, probability, permutations and combinations, discrete and continuous probability distributions, confidence intervals, and hypothesis testing of means and proportions. Additionally, students will work on test-taking skills and problem-solving skills to successfully complete the end-of-semester examinations.

Science Department

Chemistry

10, 11, 12

2 semesters / 0.5 Science credit per semester

Prerequisites: Biology, Algebra I (grade of B or better)

Fulfills one of three science requirements

Students explore the fundamental principles of chemistry that characterize the properties of matter and how it reacts. Computer-based and traditional laboratory techniques are used to obtain, organize, and analyze data. Conclusions are developed using both qualitative and quantitative procedures. Topics include, but are not limited to, measurement, atomic structure, electron configuration, chemical bonding, gas laws, properties of liquids and solids, solutions, stoichiometry, acids and bases, nuclear and organic chemistry, and biochemistry. This course will improve problem-solving skills and connect schoolwork with the real world. Laboratory activities and safe laboratory techniques are essential components of the course.

Chemistry Honors

10, 11, 12

2 semesters / 0.5 Science credit per semester

Prerequisites: Honors application, Biology (grade of B or better), Algebra I (grade of B or better)

Fulfills one of three science requirements

While the content focus of this course is consistent with the Chemistry course, this rigorous two-semester course provides students with an engaging honors-level curriculum that emphasizes mathematical problem solving and practical applications of chemistry. Topics are examined in greater detail than general chemistry in order to prepare students for college-level coursework. Topics include,

but are not limited to, measurement, atomic structure, electron configuration, chemical bonding, gas laws, properties of liquids and solids, solutions, stoichiometry, acids and bases, nuclear and organic chemistry, and biochemistry. This course is a college preparatory course, and its rigor will reflect movement towards college-level work. Furthermore, this course will improve problem-solving skills and begin to connect schoolwork with the real world. Throughout the course, students participate in a variety of interactive and hands-on laboratory activities that enhance concept knowledge and develop scientific process skills, including scientific research and technical writing.

Environmental Science

10, 11, 12

2 semesters / 0.5 Science credit per semester

Prerequisites: None

Fulfills one of three science requirements

Environmental science is the study of patterns and processes in the natural world and their modification by human activity. To understand current environmental problems, students will consider physical, biological, and chemical processes that are often the basis of those problems. This course will provide the skills necessary to address the environmental issues faced today by examining scientific principles and the application of those principles to natural systems. This course will survey some of the many environmental science topics at an introductory level, ultimately considering the sustainability of human activities on the planet.

Physical Science

All grades

2 semesters / 0.5 Science credit per semester

Prerequisites: None

Fulfills one of three science requirements

Physical Science is the study of matter and energy and includes chemistry and physics. It is a basis for the further study of chemistry and physics. Labs or investigations are used to give students hands on learning and practical applications as well as to teach the material. Math is also very important to science students and calculators should be brought and used in class. Topics that will be studied include: matter, the periodic table, elements, mixtures, compounds, chemical reactions, light and electromagnetic spectrum, energy, heat, motion, Newton's laws and momentum.

Physics Honors

11, 12

2 semesters / 0.5 Science credit per semester

Prerequisites: Biology (grade of B or better), Chemistry (grade of B or better), Algebra II (may be taken concurrently), Geometry (grade of B or better)

Fulfills one of three science requirements

Physics is an advanced-level science class that satisfies the high school graduation requirement of a physical science class. The physics curriculum includes interactions of matter and energy, velocity, acceleration, force, energy, momentum, and charge. Students will be challenged to apply their knowledge of the laws of physics to solve physics-related critical thinking problems. The course is primarily quantitative and stresses the use of models and mathematical analysis. Concepts are reinforced with simulations, projects, and laboratory investigations.

Marine Science

11, 12

2 semesters / 0.5 Science credit per semester

Prerequisites: Biology and Chemistry (semester grades of B or better in each class)

Fulfills one of three science requirements

Marine Science is the study of ocean life. The purpose of this course is to provide students with an understanding of oceanography, marine chemistry, organism behavior and anatomy by type of environment. They will explore the fundamental components of this specific environment, with the progressive analysis of microscopic organisms to larger forms of life. Students will discuss the relationship of humans to each of these organism groups and environments, including medicine, pollution, and the economy. Students will also have several lab activities, including the practice of safe lab techniques. Marine Science is taught to broaden the perspective of students of the marine world around them while deepening their understanding of the Creator and His design in nature. This class will have written work, lab work, research, projects, and presentations.

Biology I

All grades

2 semesters / 0.5 Science credit per semester

Prerequisites: None

Required for graduation

Biology is the study of life, from the Greek "bios" which means life, and "logos," to study. Students will develop skills in critical thinking, scientific methodology, cooperative learning, research, and safe laboratory technique. This course will explore the fundamental components of all life, with the progressive analysis of microscopic organisms to larger forms of life. Units of study include the nature of life, ecology, cells, genetics, and creation/evolution theory. Biology is taught to broaden the perspective of students into the biological world around them while deepening their understanding of the Creator and His design in nature. This class will have written work, lab work, and projects.

Biology I Honors

All grades

2 semesters / 0.5 Science credit per semester

Prerequisites: Honors English 9 essay score, adequate MAP testing scores, and adequate SAT10

Placement test scores, and approved entrance into Algebra 1 or Algebra 1 already taken and passed with a "B" grade or higher

Alternate for Biology requirement

While the content focus of this course is consistent with the Biology I course, students will explore these concepts in greater depth. In general, the academic pace and rigor will be greatly increased for honors-level coursework. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem-solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. Please Note: Advanced courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted. Students are challenged to think and collaborate critically on the content they are learning.

Anatomy & Physiology

10, 11, 12

2 semesters / 0.5 Science credit per semester

Prerequisites: Completion of Biology with a grade of “B” or better, Chemistry recommended.

Fulfills one of three science requirements

Anatomy and physiology is a one-year course that involves the structure and function of the human body, as it pertains to how the body systems relate to one another in organization, adaptation, and homeostasis. This course will involve laboratory activities, projects, dissections, textbook material, models, diagrams, and clinical studies. The material learned in this course can be applied to medical field careers, health and fitness careers, as well as biological research careers. Students will learn clinical terminology, study diseases and tests conducted for diagnostic purposes, and apply these concepts to modern health practices and issues. Lab activities will be performed throughout the semester to enhance the understanding of the human body.

Social Sciences Department

World History

10

2 semesters / 0.5 Social Sciences credit per semester

Prerequisites: None

Required for graduation

This World History course provides students with an intensive study of major events and themes in world history geared toward preparing the students for the academic rigors of college. This course is a survey of world history, starting with God's Creation of the world through the 21st century. The course helps students form connections between diverse areas of the world using the themes of trade, migration, and centers of world power. The course emphasizes the development of reading, writing, analytical, and research skills necessary for understanding historical materials. Students encounter a variety of learning activities and materials, including maps, college-level readings, document-based question essays, Socratic seminars, analysis of primary and secondary historical documents, free-response essays, and library sources.

World History Honors

10

2 semesters / 0.5 Social Sciences credit per semester

Prerequisites: None

Required for graduation

World History Honors develops a greater understanding of global processes, encounters, and interactions that have shaped human history since 8000 B.C.E. Daily activities focus on mastering a selective body of factual knowledge and developing the analytical skills required of advanced students. Critical reading and writing skills are developed through evaluating primary and secondary sources, oral presentations, short essays, and research assignments. Students must be accepted into this course through the honors application process.

United States History

11

2 semesters / 0.5 Social Sciences credit per semester

Prerequisites: World History

Required for graduation

Students will learn about the history of the United States, beginning with a review of the colonial era through the Civil War and Reconstruction, continuing in more detail through industrialization, urbanization, political and social reform, and the beginnings of internationalism. Emphasis will be placed on the political development of institutions and traditions, the continuing development of a uniquely American character, and the influences of isolationism and internationalism. Special attention will be given to the World Wars, the increasing centralization of political power, the Great Depression, the Cold War, the Civil Rights movement, the Vietnam Conflict, and international terrorism.

United States Government

12

1 semester / 0.5 Social Sciences credit per semester

Prerequisites: US History

Required for graduation

This is a one-semester course designed to help students to view democracy not as a spectator sport but as a civic responsibility that demands active participation. The course aims to encourage the enthusiastic participation of the students in the political process, which is critical to strengthening our democracy for the future. This course offers a comprehensive program in the structure and function of the federal, state and local government. At the same time, it calls attention to the basic values on which our political and legal systems are based and the principles that give direction to the ways in which those systems work.

United States Government Honors

12

Duration: 1 semester / 0.5 Social Sciences credit per semester

Prerequisites: US History

Alternate for US Government Requirement

This course explores the various ideas, structures and processes embedded within the political framework of the United States Government. It will cover the topics of civic involvement, civic participation and skills, principles of the U.S. Constitution, structures and functions of the federal government, the role of the American people, Florida's state and local governments, public policy, and the economy. The primary focus of the course will be to provide students with an opportunity to develop an understanding of some of the major themes and structures in the modern United States Government, to train students to analyze current and historical evidence and to develop in students their ability to analyze and express political understanding in writing. This course will demand greater independence and responsibility and concentrates on the development of higher-level critical thinking skills, student-centered learning, and problem-solving activities. The course is also reading and writing intensive. This course will also involve off-campus field trips to examine elements of local and state government and economics. Students must also maintain the required GPA for honors classes. Grades

will be evaluated at the end of each quarter. Students who do not maintain the required GPA may be asked to withdraw from the class and move to the standard class.

Economics with Financial Literacy

12

1 semester / 0.5 Humanities credit per semester

Prerequisites: US Government

Required for graduation

The primary objective of this course focuses on introducing students to the world of business and helping prepare them for a more meaningful and beneficial interaction with businesses and our economy. The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content includes, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.

English Department

English 9

9

2 semesters / 0.5 English credit per semester

Prerequisites: None

Required for graduation

In this whole-language course, students read, discuss, and critically analyze a wide range of literature, including poems, short stories, speeches, and a Shakespearean play. The correct use of grammar and other English language conventions is emphasized as students develop strong paragraph-writing and essay-writing skills through literary analysis and argumentative pieces.

English 9 Honors

9

2 semesters / 0.5 English credit per semester

Prerequisites: High-achievement in 8th-grade English teacher, a recommendation from 8th-grade English teacher, high achievement on placement test and essay test.

Alternate for English 9 requirement

The honors version of English 9 moves at a more accelerated pace. In addition, students do more writing and engage in more robust writing projects than in the standard English 9 course. Students must maintain a "B" grade or above to remain in the course.

World Literature 10

10

2 semesters / 0.5 English credit per semester

Prerequisites: None

Required for graduation

In this whole-language course, students read, discuss, and analyze a variety of quality literature representing a wide range of time periods and world cultures. Students consider universal themes from different worldviews including a Christian worldview. This class is generally taken concurrently with World History 10, and connections between the two classes are made as often as possible. Essay writing skills continue to be developed, with an emphasis on persuasive writing.

World Literature 10 Honors

10

2 semesters / 0.5 English credit per semester

Prerequisites: Students interested in taking this class must apply during their freshman year and demonstrate high achievement in English 9 as well as strong reading and writing skills

Alternate for World Literature 10 requirement

Students in the honors class read and write more independently and are asked to think more deeply and critically than in the standard class. Honors class students engage in extensive creative writing projects as well as persuasive essay writing. Students must maintain a "B" grade or higher to remain in the class.

American Literature 11

11

2 semesters / 0.5 English credit per semester

Prerequisites: None

Required for graduation

In this whole-language course, students read, discuss, and analyze quality American literature from a variety of genres and time periods in American history. This class is generally taken concurrently with American history, and connections between the two classes are made as often as possible. Students continue to develop their independent reading and essay writing skills (with an emphasis on literary analysis) and write a research-based paper during the course.

American Literature 11 Honors / United States History Honors

11

2 semesters / 0.5 English credit and 0.5 Social Studies credit per semester

Prerequisites: Students interested in taking this class must apply during their sophomore year and demonstrate high achievement in both World Literature 10 and World History as well as strong reading and writing skills. Applicants must meet all requirements as outlined in the application process.

Alternate for American Literature 11 requirement

This is a blended course in which students study American literature in conjunction with corresponding events and time periods in American history. Students engage in critical thinking and discussion and develop their writing and research skills. For more details, please see the US History Honors course.

English Literature 12

12

2 semesters / 0.5 English credit per semester

Prerequisites: Completion of English 9, World Literature 10, American Literature 11

Required for graduation

In this whole-language course, students read, discuss, and analyze classic literature from a variety of British authors, including Shakespeare, Dickens, and Austen. Students in this course will also focus on improving their writing, research, presenting, and communication skills, as well as building their literary analysis and composition skills in preparation for their work beyond high school.

Bible Department

Bible 9

9

2 semesters / 0.5 Bible credit per semester

Prerequisites: None

Required for graduation

The Freshman Bible class discovers who God is: God the I Am, God on the Cross, and God's gifts. It provides an introduction to God as both a deity and a personal God. Additionally, the freshman class participates in freshman mentoring provided by the Junior Servant Leaders.

Bible 10

10

2 semesters / 0.5 Bible credit per semester

Prerequisites: Bible 9

Required for graduation

Sophomores discover the stories of the Bible, such as Hosea and David. Additionally, it provides the Sermon on the Mount as a reminder of the heart of the gospel. This course prompts students towards choosing a relationship with a God who relentlessly loves us and seeks to draw us close to the heart of God. It shows the responsibility each Christian has to the world around them. The sophomore Bible students are also those that will be allowed to apply for Junior Servant Leaders.

Bible 11

11

2 semesters / 0.5 Bible credit per semester

Prerequisites: Bible 10

Required for graduation

Juniors explore the validity of the Bible. Through this course, students learn about the Bible's trustworthiness through prophecy and world history found in Daniel and Revelation. Additionally, this class teaches juniors about the fundamental beliefs of the Seventh-day Adventist church.

Servant Leadership I

11

2 semesters / 0.5 Bible credit per semester

Prerequisites: Bible 10

Alternate for Bible 11 requirement

In addition to the North America Division Encounter curriculum, the Junior Servant Leadership classes examine relationships and team-building strategies. Students dive into small group ministry and learn

how to effectively run a small group. Junior servant leaders learn the skills of peer mediation, conflict resolution, peer-to-peer counseling, and mentoring.

Bible 12

12

2 semesters / 0.5 Bible credit per semester

Prerequisites: Bible 11 or Junior Servant Leadership

Required for graduation

The seniors in this course take a profound look at worldviews. This course examines how worldviews impact our beliefs and relationship with God. It also examines the life of Jesus through the gospel of John. Lastly, seniors will look at ethics and Christian living.

Servant Leadership II

12

2 semesters / 0.5 Bible credit per semester

Prerequisites: Junior Servant Leadership

Alternate for Bible 12 requirement

In addition to the North America Division Encounter curriculum, Senior Servant Leadership provides students with skills to help them in their future church communities. These include, but are not limited to, discipleship and connecting with their church and pastor, sermon creation, and church planting/evangelism. Additionally, senior servant leaders will lead and plan UNIFY small groups for the rest of the student body. Lastly, this course provides students with community outreach opportunities via Taylor Apartments.

Fine Arts Department

Drawing / Painting

All grades

2 semesters / 0.5 Fine Art credit per semester

Prerequisites: None

Fulfills Fine Art requirement

This is an introductory course in drawing and painting. Students will learn the fundamentals of art, including the elements of design: line, shape, the illusion of space, value, texture, and color. Students will also learn the basic principles of art, including unity, emphasis, proportion, balance, rhythm, and composition. This course will provide students with art-making experiences using a variety of mediums such as pencil, pen and ink, charcoal, acrylic paint, pastel, and watercolor. A materials fee of \$50.00 is required per semester.

Sculpting / Ceramics

All grades

2 semesters / 0.5 Fine Art credit per semester

Prerequisites: None

Fulfills Fine Art requirement

This course focuses on the basic techniques of making creative and useful pottery and sculpture. Students will be made aware of the basic art elements as they relate to the three-dimensional form using stoneware and porcelain clay bodies. Basic formation techniques, pinch, coiling, slab, sculpture, and wheel throwing, as well as decorating, glazing, and firing procedures, will be covered extensively. A materials fee of \$50.00 is required per semester.

Digital Photography

All grades

2 semesters / 0.5 Fine Art credit per semester

Prerequisites: None

Fulfills Fine Art requirement

This course focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students will be introduced to the history of photography and basic camera functions. Students will use the basic techniques of composition and camera functions to build a portfolio of images, capturing people, landscapes, close-up, and action photographs. A materials fee of \$50.00 is required per semester.

Acting for Stage

All grades

2 Semesters / 0.5 Fine Art credit per semester

Prerequisites: None

Fulfills Fine Art requirement

Students explore various performance, technical, and administrative aspects of theatre. Students learn about basic characterization through physical activity, reading selected theatre literature, reading and writing theatrical reviews, and analysis of such tools as scripts, costuming, and theatrical makeup. Public performances may serve as a resource for specific instructional goals. Students may be expected to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

Graphic Arts

10, 11, 12

2 semesters / 0.5 Fine Art credit per semester

Prerequisites: One of Drawing and Painting, Digital Photography, Ceramic & Sculpture

Fulfills Fine Art requirement

This course introduces students to the principles of graphic design. Emphasis will be placed on the design process using methods, strategies, and techniques to create original student artwork. Students will apply their knowledge of the elements and principles of design to strengthen their ability to visually communicate ideas. We will explore a range of design techniques using various art materials and software programs such as Adobe Photoshop and Illustrator. Students will analyze, critique artworks, and learn about the origins of graphic design in the history of art. Students will be exposed to a variety of disciplines within the Graphic Design field, which include but are not limited to logo design, poster design, typography, packaging design, and illustration.

Honors Digital Photography, Drawing / Painting, Sculpting / Ceramics

10, 11, 12

2 semesters / 0.5 Fine Art credit per semester

Prerequisites: Students are required to have successfully completed one year of Digital Photography to be considered for Honors Digital Photography, one year of Drawing & Painting to be considered for Honors Drawing & Painting and one year of Ceramics & Sculpting to be considered for Honors Ceramics & Sculpting

Fulfills Fine Art requirement

This course is designed for students who are seriously interested in the practical experience of art. Projects are open-ended enough for students to develop their own styles and modes of expression. The development of the portfolio is an ongoing process that uses informed and critical decision-making to assemble a body of work. Work is expected to be of high quality in thought, process, and product.

Band

All grades

2 Semesters / 0.5 Fine Art credit per semester

Prerequisites: Basic Band Skills

Fulfills Fine Arts requirement

Band is open to students with basic performing skills on woodwinds, brass, or percussion. Members are required to attend all concerts scheduled. Concerts include, but are not limited to, Christmas concert, Alumni Weekend, Festival of the Arts, local church concerts, Band tour, and Spring concert. Membership is at the director's discretion.

Solid Bronze - Handbells

All grades

2 Semesters / 0.5 Fine Art credit per semester

Prerequisites: None

Fulfills Fine Arts requirement

The Solid Bronze performing ensemble will learn the art of ringing English Handbells and choir chimes. Although not a requirement, basic piano skills are a plus when auditioning for this ensemble. Members are required to attend all concerts scheduled. Concerts include, but are not limited to, Christmas concert, Alumni Weekend, Festival of the Arts, Tour, Spring concerts, and other appointments in area churches and community. Membership is at the director's discretion.

String Ensemble

All grades

2 Semesters / 0.5 Fine Art credit per semester

Prerequisites: Basic Strings Skills

Fulfills Fine Arts requirement

String Ensemble is open to students with basic performing skills on violin, viola, cello, and string bass. Members are required to attend all concerts scheduled. Concerts include, but are not limited to,

Christmas concert, Alumni Weekend, Festival of the Arts, local church concerts, String Ensemble tour, and Spring concert. Membership is at the director's discretion.

Voices - Choir

All grades

2 Semesters / 0.5 Fine Art credit per semester

Prerequisites: None

Fulfills Fine Arts requirement

Voices is the large choir that is available to all students. An interview and placement audition to determine the voice part of each student is required for membership in this ensemble. Members are required to attend all concerts scheduled. Concerts include, but are not limited to, Christmas concert, Disney Candlelight Processional, Alumni Weekend, Festival of the Arts, and Spring concert. Membership is at the director's discretion.

Cantabile – Select Choir

All grades

2 Semesters / 0.5 Fine Art credit per semester

Prerequisites: Must be in Voices of Forest Lake

Fulfills Fine Arts requirement

Cantabile is a select choral ensemble and is available by audition only. All Cantabile members are required to be in Voices of Forest Lake and attend all concerts scheduled for Voices and Cantabile. Concerts include, but are not limited to, all concerts scheduled for Voices of Forest Lake and additional concerts by Cantabile in the community, in area churches, and on tours.

Foreign Language Department

Spanish I

10, 11

2 semesters / 0.5 Foreign Language credit per semester

Prerequisites: None

Required for College Prep/Honors diploma

This class is for students with little or no knowledge of the language. In Spanish 1, students will be introduced to common vocabulary, phrases, and concepts necessary for daily interpersonal interaction. Emphasis will be placed on basic communication and comprehension in everyday situations, i.e., survival skills. Students will gain a working knowledge of the basic structure of the target language using the present tense. They will develop their ability to understand spoken and written Spanish.

Spanish II

11, 12

2 semesters / 0.5 Foreign Language credit per semester

Prerequisites: Successfully completed Spanish level 1 with a passing grade or have taken the CLEP exam and scored a minimum of 85%

Required for College Prep/Honors diploma

Spanish 2 is designed to review and build upon material presented in Spanish 1. The activities provided are designed to increase the student's proficiency in the four basic skills: listening, speaking, reading, and writing. There is a heavy emphasis on grammatical structures and verb tenses, such as the past tense, present perfect, conditional, and future tense, along with learning commands, stem-changing verbs, and reflexive verbs.

Spanish III

11, 12

2 semesters / 0.5 Foreign Language credit per semester

Prerequisites: Students must have completed Spanish 1 with a passing grade and scored 90% in Spanish II. The students must also have the approval of the teacher

Fulfills elective requirement

This course is intended to further develop each of the major communication skills: listening, reading, speaking, and writing. Major emphasis is placed on developing the ability to communicate fluently with accurate pronunciation/intonation and sentence structure in a variety of authentic contexts. Emphasis is also placed on fostering an appreciation of the culture of Spanish-speaking countries through the study of history, literature, art, etc. In addition, students will read significant works of literature in Spanish and respond orally or in writing to these works. The class will be conducted in the target language.

Physical Education Department

Fitness for Life

9, 10

2 semesters / 0.5 Physical Education credit per semester

Prerequisites: None

Required for graduation

Fitness for Life is designed to provide students with opportunities to develop an individual, optimal level of physical fitness, acquire knowledge of physical fitness concepts, and acquire knowledge of the significance of lifestyle on one's health and fitness. Students participate in fitness assessments in which they measure and analyze their own levels of fitness based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition. In this course, students will use heart rate monitors to help evaluate and monitor cardiorespiratory fitness.

Individual Sports / Conditioning

11, 12

1 semester / 0.5 Physical Education credit per semester

Prerequisites: None

Required for graduation

Individual sports and conditioning will provide opportunities for students to improve health-related fitness, analyze the effect of these activities on personal fitness, use of heart rate monitors, improve or maintain physical fitness levels to meet the principles of exercise, and explain the relationship between participation in individual/dual activities and health.

Running / Tennis

10, 11, 12

1 semester / 0.5 Physical Education credit per semester

Prerequisites: None

Alternate for Individual Sports/Conditioning requirement

Tennis/Running provides students with opportunities to acquire knowledge and skills in the sport while maintaining and/or improving their personal fitness. The course's emphasis is on skill development through drills and conditioning, basic strokes, strategy, rules, scoring, etiquette, practice drills, singles and doubles play. Running will consist of 1-to-2-mile runs focusing on cardiorespiratory health and building a personalized running program. Students may repeat Individual Sports/Conditioning and Tennis/Running and receive credit in the class more than once.

Health

11, 12

1 semester / 0.5 Health credit per semester

Prerequisite: None

Required for graduation

Health is designed to assist students in obtaining accurate information, developing lifelong positive attitudes and behaviors, and making wise decisions related to their personal health. Study will include personal and community health; mental, emotional, and social health; injury prevention and safety; nutrition and physical activity; alcohol, tobacco, and other drugs; growth, development, and sexual health. Central themes are the acceptance of personal responsibility for lifelong health, respect for and promotion of the health of others, an understanding of the process of growth and development, and informed use of health-related information, products, and services.

Audio / Visual Department

Computer Essentials

9, 10

2 semesters / 0.5 Vocational credit per semester

Prerequisites: None

Fulfills vocational requirement

Computer Essentials is a project-based course that introduces students to the fascinating world of computers and technology. It will provide students with an opportunity to learn how to use current industry-standard office software to complete high school coursework using MS Office 2022. This course will also provide an introduction to Computer Hardware and Software, MS Office, and basic video and audio skills that will help the student to have a better performance at FLA and beyond. This course will

also introduce skills in the area of Data Management, and it will teach students critical thinking skills needed for a successful professional life.

Computer Science

All grades

2 semesters / 0.5 Elective credit per semester

Prerequisites: None

Fulfills vocational requirement

This is an introductory course in computer science for students seeking a broad overview of the discipline. Students acquire the necessary concepts and skills to apply computing principles and resources effectively in their chosen profession. The topics in this course include the history of computers and technology timeline; the social impact of computing; Software and Hardware; Algorithms and Efficiency; Java and Python programming languages; simulation modeling; basics of Networking, basics of Databases; and Computer-Aided Design. The course includes a gentle hands-on introduction to a variety of fields in computer science.

Video Production

All grades

2 semesters / 0.5 Elective credit per semester

Prerequisites: None

Fulfills elective requirement

This course will instruct students in an alternate form of communication. Students will learn the specialized vocabulary of the film and television industry and can gain knowledge in the field of video and audio. Students will be trained to use industry-standard equipment and take them through pre-production, production, and post-production processes to gain working knowledge and hands-on experience in all facets of television/video production, including video equipment, storyboarding, scripting, picture composition, audio recording, lighting and editing. Students will also learn to manage their time, meet deadlines, think objectively, develop original styles and gain experience in communicating clearly and effectively.

Innovation Department

Innovation Independent Study

All grades

2 semesters / 0.5 Elective credit per semester

Prerequisites: None

Fulfills elective requirement

The purpose of the Innovation Course is to allow the student(s) to propose a course of study in an area that is not currently offered as a course at Forest Lake Academy. In this student-centered approach to learning, the student(s) will co-design a course with the innovation lab director which will result in the modification of a syllabus. The modified syllabus will be personalized to the student's interests/passions. As the course is competency-based, the student will be required to display mastery of standards and learning targets instead of the completion of seat time. The course may include directed readings,

applied work, assisting a faculty member with a research project, carrying out an independent research project, or other activities deemed appropriate.

Innovation I & II: Mechatronics / Biomechatronics

All grades

2 semesters / 0.5 Vocational credit per semester

Prerequisites: None

Fulfills vocational requirement

Innovation 1 & 2 are at the intersection of mechanical engineering, electronic engineering, and software engineering. This course will cover technologies involved in developing intelligent electro-mechanical systems, and techniques used to apply this technology to mechatronic system design. The course includes a lab component with a substantial individual project.

Innovation III & IV: Human Interface / Virtual Reality

All grades

2 semesters / 0.5 Vocational credit per semester

Prerequisites: Innovation 1 & 2: Mechatronics / Biomechatronics

Fulfills vocational requirement

This course covers the technical and experiential design foundation required for implementing immersive environments in current and future virtual, augmented and mixed-reality platforms. The curriculum covers a wide range of literature and practices starting from the original Computer Science and HCI concepts following the evolution of all supporting technologies, including visual displays for VR, AR and MR, motion tracking, interactive 3D graphics, multimodal sensory integration, immersive audio, user interfaces, IoT, games and experience design.

Applied Robotics

All grades

2 semesters / 0.5 Elective credit per semester

Prerequisites: None

Fulfills elective requirement

This course introduces robotics-related technologies, including computer programming methodologies, data acquisition methods for sensors (such as infrared and optical imagers), and control methods for actuators, servo motors, and microcontrollers. The subject of robotics is treated as an interdisciplinary engineering subject that includes mechanical engineering, electrical engineering, optical engineering, control theory, and computer science engineering. The course addresses advanced robotic topics, including autonomous control, machine learning, and applied artificial intelligence.

The course introduces graphical processing unit (GPU) programming for achieving high-performance computing for robotic tasks and also introduces the topics of neural networks and machine-learning algorithms. The course introduces numerical methods for object detection, classification, and tracking. Finally, the course provides hands-on laboratory applications of the concepts and theories presented throughout the semester.

Electives

ESL I

9, 10, 11, or 12

2 semesters/.5 Elective credit per semester

Prerequisite: Students whose primary language is not English

This course is designed for beginning English as a second language. The focus is on reading, writing, and grammar skills; emphasis is placed on speaking and listening in the present tense with the use of basic vocabulary and sentence structure.

ESL II

9, 10, 11, or 12

2 semesters/.5 Elective credit per semester

This course is designed to help students develop academic writing, reading, critical thinking, and vocabulary skills. The focus is on building reading fluency and writing paragraphs and short compositions connected to ideas from readings. Emphasis will be on intermediate grammar and sentence structures.

Life Skills

9

1 semester / 0.5 Elective credit per semester

Prerequisites: None

Required for graduation

This is a course that is required for all freshmen. Life Skills will help new students understand what it means to be an FLA student, cope with higher academic expectations, explore new study techniques, and complete homework during this one-semester course. Throughout this course, the students will use a variety of techniques, including learning how to take notes, effectively use their iPad and applications, and understanding the best ways to be a successful student.

Personal Financial Literacy

9

1 semester / 0.5 Elective credit per semester

Prerequisites: None

Required for graduation

This course consists of the following content area and literacy strands: Economics, Financial Literacy, Mathematics, and Language Arts for Literacy in History/Social Studies and Speaking and Listening. Basic economic concepts of scarcity, choice, opportunity cost, and cost/benefit analysis are interwoven throughout the standards and objectives. Emphasis will be placed on economic decision-making and real-life applications using real data. The primary content for the course pertains to the study of learning the ideas, concepts, knowledge and skills that will enable students to implement beneficial personal decision-making choices; to become wise, successful, and knowledgeable consumers, savers, investors, users of credit and money managers; and to be participating members of a global workforce and society.

Yearbook

10, 11, 12

2 semesters / 0.5 Elective credit per semester

Prerequisites: None

Fulfills elective requirement

Yearbook is designed to provide students with the opportunity to accomplish independent achievement in the journalism field through hands-on experience. The class functions as a publishing staff with student leadership to produce the *Mirror*, the school's yearbook. Staff tasks include editing, writing, creating computer graphic art, proofreading, and photographing school events, with assignments overlapping. Each student will be assigned tasks under the direction of the student editor.

Speech

All grades

2 semesters / 0.5 Elective credit per semester

Prerequisites: None

Fulfills elective requirement

This elective course introduces students to the principles of effective public speaking. Students prepare and deliver a variety of speeches to their classmates and engage in other public speaking activities, such as formal debates.

Online Course

All grades

1-2 semesters / 0.5 Elective credit per semester

Prerequisites: None

Fulfills State of Florida online course requirement

The State of Florida requires one online course to be taken as part of the student's graduation requirements. To fulfill this requirement, students typically take the Driver's Education course as their online course. Any additional online course options need to be approved by the registrar's office and cannot be applied to other graduation requirements (such as core classes). Other online elective courses may be considered with prior approval.

Dual Enrollment

DE English Composition I & II

12

2 semesters / 0.5 English credit and 3 semester hours of college credit per semester

Prerequisites: Minimum cumulative GPA of 3.5, ACT English score of 20 or higher, or SAT EBRW score of 560 or higher

Alternate for English 12 requirement

This dual-enrollment class is offered as an alternative to English Literature 12. The course is taught on FLA's campus by a qualified professor. Students receive college credit for College Composition 1 first semester and College Composition 2 second semester.

DE Bible: Jesus in a Contemporary World

12

2 semesters / 0.5 Bible credit and 3 semester hours of college credit per semester

Prerequisites: Minimum cumulative GPA of 3.5

Alternate for Bible 12 requirement

This course is an exploration of the life and teachings of Jesus Christ with special attention given to their application to personal, social, and religious issues encountered in contemporary society. Class is for one semester, and then students will be in senior Bible for the remainder of the school year

DE General Psychology

12

1 semester / 0.5 Elective credit and 3 semester hours of college credit per semester

Prerequisites: Minimum cumulative GPA of 3.5

Fulfills elective requirement

General psychology is a survey of psychology, including human development; sensation and perception; learning and thinking; emotions; motivation; personality; and stress, as well as psychological disorders and their treatment.

DE Developmental Psychology

12

1 semester / 0.5 Elective credit and 3 semester hours of college credit per semester

Prerequisites: Minimum cumulative GPA of 3.5

Fulfills elective requirement

Developmental Psychology is the study of human life from conception through death. Emphasis is placed on the individual's physical, cognitive, social, and psychological development. Issues are discussed regarding the continuity of development throughout the life span, how early experiences may affect later development, and the influence of genetics, familial factors, and the environment.

DE Statistics

12

1 semester / 0.5 Math credit and 3 semester hours of college credit per semester

Prerequisites: Minimum cumulative GPA of 3.5 in previous Math courses, completed Algebra II and Pre-Calculus with a grade of "B" (3.0) or higher for Statistics and an "A-" (3.67) or higher for Calculus, minimum Math score of a 20 on the ACT

Fulfills one of four math credit requirements

Statistics is intended to provide the conceptual foundations and analytical skills for students to quantify uncertainty and further make rational decisions in the face of uncertainty. It addresses a collection of high-quality data, basic statistical analysis of such data, including the use of computer software, and drawing actionable conclusions from analyses. These conclusions include understanding the limitations of statistical analyses. Integrating subject matter knowledge with data analysis within the sequential cycle of scientific inquiry will be emphasized. This course also intends to prepare students for more advanced statistics courses, such as experimental design or regression analysis.

DE Calculus I

12

1 semester / 0.5 Math credit and 3 semester hours of college credit per semester

Prerequisites: Minimum cumulative GPA of 3.5 in previous Math courses, completed Algebra II and Pre-Calculus with a grade of "B" (3.0) or higher for Statistics and an "A-" (3.67) or higher for Calculus, minimum Math score of a 20 on the ACT

Fulfills one of four math credit requirements

This course begins the Calculus sequence. It provides instruction and experience that enables the student to apply calculus, related mathematics, and a graphical calculator to structure an understanding of the world around us and to investigate related questions. The course content focuses on limits, derivatives, and basic integration.

DE Anatomy & Physiology I & II

12

2 semesters / 0.5 Science credit and 3 semester hours of college credit per semester

Prerequisites: Minimum cumulative GPA of 3.5 in previous lab-based Science courses, met one of the following criteria: have a minimum composite ACT score of 19 or have a combined Math and ERW SAT score of 990

Fulfills one of three science credit requirements

Anatomy & Physiology I is a study of the skeletal, muscular, and nervous systems of the human body, along with their cytology, histology, and chemistry.

Anatomy & Physiology II studies the endocrine, circulatory, lymphatic, respiratory, digestive, urinary, and reproductive systems of the human body.