



# Alpha Omega<sup>™</sup> Academy

## High School Course Catalog



## Welcome to Alpha Omega Academy!

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Alpha Omega Academy (AOA) is an exciting K-12 distance learning academy that is accredited through NCA CASI and is structured to meet the needs of today's families. With qualified teachers, administrative services, and award-winning curriculum choices, Alpha Omega Academy's Christ-centered distance learning program offers the perfect combination of flexibility, assurance, and affordability. Alpha Omega Academy is committed to creating a successful partnership with each parent and enrolled student.

For parents and families who need a comprehensive distance education solution, Alpha Omega Academy is the answer! AOA has enrolled thousands of students from all around the globe—in all 50 states and over 40 countries.

### **Mission Statement**

Alpha Omega Academy's mission is to educate, inspire, and change lives.

We strive to create partnerships with families who provide an environment of academic and spiritual growth for students. We desire that students use their talents and abilities to influence the world for Jesus Christ.

### **Curriculum Options**

Quality Christian education is available through online or print-based courses. AOA offers Bible-based and personalized instruction for your student. AOA offers customized curriculum based on your student's placement tests and previous credits. During enrollment, an AOA counselor suggests a program that meets your student's academic needs and addresses any major learning gaps. Throughout AOA courses, a Christian worldview is adopted while a focus on mastery learning and cognitive reasoning is emphasized.

Able to fit your student's academic needs, AOA offers both college-prep and general studies courses. No matter if your student is working toward high school graduation or if he is preparing for college entrance requirements, AOA has two specific course track options available.



# Curriculum Options

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## Online Curriculum

### Ignitia

With Ignitia, students enjoy a convenient online learning environment. Through an Internet connection, Ignitia gives the freedom to learn anywhere 24/7, improving course delivery with applications for Windows®, Macintosh®, and Linux®-based operating systems. Ignitia allows students to submit projects in various media formats like student-created videos and slide shows. Ignitia offers students the five general subjects of Bible, history and geography, language arts, math, and science, as well as numerous electives.

## Print Curriculum

### LIFEPAC

LIFEPAC is a full-color, consumable worktext curriculum that uses mastery-based learning to help students understand concepts and content in each unit. LIFEPACs are consumable worktexts, a combination of a textbook and a workbook. Under the direction of parents, students read self-paced lessons, complete activities, interact with teachers, and are tested before moving on to the next LIFEPAC unit. This Bible-based curriculum conveniently coordinates subject text, exercises, projects, reviews, and tests. LIFEPAC offers students the five general subjects of Bible, history and geography, language arts, math, and science, as well as a variety of electives.



# Course List

**Course Available In**

**English**

- English I .....IGN, LP
- English II .....IGN, LP
- English III .....IGN, LP
- English IV .....IGN, LP
- English IV - Technical Writing .....IGN

**Mathematics**

- Algebra I .....IGN, LP
- Geometry .....IGN, LP
- Algebra II .....IGN, LP
- Pre-Calculus .....IGN, LP

**Science**

- Integrated Physics and Chemistry .....IGN
- Biology .....IGN, LP
- Chemistry .....IGN, LP
- Physics .....IGN, LP

**History and Geography**

- World Geography .....IGN
- World History .....IGN, LP
- U.S. History .....IGN, LP
- Government and Economics .....IGN, LP

**Bible**

- New Testament Survey .....IGN, LP
- Old Testament Survey .....IGN, LP
- Bible Doctrine .....IGN, LP
- Christian Faith and Living .....IGN, LP
- Foundations for Living .....IGN, LP

**Course Available In**

**English Electives**

- American Literature .....IGN, LP
- British Literature .....IGN, LP

**Mathematics Electives**

- Consumer Math .....IGN, LP
- Pre-Algebra .....IGN, LP
- Principles of Algebra I .....IGN
- Principles of Algebra II .....IGN
- Principles of Geometry .....IGN
- Trigonometry .....IGN

**Science Electives**

- Earth Science .....IGN
- Physical Science .....IGN, LP
- Science 9 .....IGN, LP

**History and Geography Electives**

- Civics .....IGN
- Civics and World Geography .....LP
- State History and Government .....IGN
- Twentieth Century American History .....IGN
- U.S. Civil War .....IGN
- Vietnam Era .....IGN

**Electives**

**World Languages**

- Spanish I .....IGN, LP
- Spanish II .....IGN, LP
- Spanish III .....IGN
- French I .....IGN
- French II .....IGN
- French III .....PS



# Course List

Course Available In

## Fine/Practical Arts

- Art..... LP
- A/V Technology and Film Careers ..... IGN
- Business Computer
  - Information Systems.....IGN, LP
- Digital Arts..... IGN
- Family & Consumer Science..... IGN, LP
- Fundamentals of Programming
  - and Software Development..... IGN
- Introduction to Information
  - Technology Support and Services..... IGN
- Music Appreciation..... IGN
- Music Theory.....IGN
- New Applications: Web
  - Development in the 21st Century ..... IGN
- Office Applications I (2010 or 2013) ..... IGN
- Office Applications II (2010 or 2013) ..... IGN
- Software Development Tools.....IGN
- Technology & Business..... IGN

## Business

- Accounting ..... LP
- Business Law ..... IGN
- Essentials of Business ..... IGN
- Fundamentals of Digital Media..... IGN
- Small Business Entrepreneurship..... IGN

## General Electives

- ACT Test Prep .....IGN
- Banking Services Careers..... IGN
- Career Management ..... IGN
- Careers in Allied Health ..... IGN
- Careers in Logistics Planning
  - and Management Services ..... IGN
- Careers in Manufacturing Processes ..... IGN
- Careers in Marketing Research ..... IGN

Course Available In

- College Planner..... IGN
- Construction Careers ..... IGN
- Driver's Education..... see description
- Engineering and Design..... IGN
- Engineering and Innovation ..... IGN
- Engineering and Product Development ..... IGN
- Essentials of Communication .....IGN, LP
- Fundamentals of Computer Systems ..... IGN
- High School Health.....IGN, LP
- Introduction to Careers in
  - Architecture and Construction ..... IGN
- Introduction to Careers in
  - Arts, A/V Technology, and Communication ..... IGN
- Introduction to Careers in
  - Education and Training ..... IGN
- Introduction to Careers in Finance ..... IGN
- Introduction to Careers in Government
  - and Public Administration ..... IGN
- Introduction to Careers
  - in Manufacturing ..... IGN
- Introduction to Careers in Marketing ..... IGN
- Introduction to Careers in
  - Transportation, Distribution, and Logistics ..... IGN
- Introduction to Consumer Services..... IGN
- Introduction to Information Technology ..... IGN
- Introduction to Network Systems ..... IGN
- National Security Careers ..... IGN
- Network System Design ..... IGN
- Nursing: Unlimited Possibilities
  - and Unlimited Potential..... IGN
- Personal Financial Literacy ..... IGN
- Physical Education ..... IGN
- Physical Fitness ..... IGN
- Psychology ..... IGN
- Teaching and Training Careers ..... IGN

IGN = Ignitia

PS = Powerspeak

LP = LIFEPAC



# Graduation Requirements

Students enrolled in the Alpha Omega Academy must be considered full-time (taking at least four courses) before qualifying as candidates for a high school diploma. Homeschool transfer students must earn at least their last five credits through the academy before graduation. Students transferring from accredited schools must earn at least four credits through the academy to graduate. High school credits earned prior to academy enrollment can be accepted based on official transcripts.

High school students are required to earn a minimum of 21 credits in order to receive a diploma from Alpha Omega Academy. These credits can be earned by following the academy’s general or college preparatory course of study, depending on a student’s post-graduation plans. Graduation and post-secondary entrance requirements vary by state and college. Parents should research these requirements to be assured that they are met. A detailed outline of the two courses of study as well as a summary of typical courses by grade level is conveniently provided below.

## Comparison of Two Track Options for Graduation

English I, II, III, IV . . . . .	4
Math (at least through Alg. II) . . . . .	4
Science (at least 2 lab courses) . . . . .	3
History (world, U.S.) . . . . .	2
Government . . . . .	0.5
Economics . . . . .	0.5
Bible* . . . . .	1
Health . . . . .	0.5
Physical Education . . . . .	1
Fine/Practical Art Electives . . . . .	1
Foreign Language . . . . .	2
Other Electives** . . . . .	1.5
<b>Total Credits Required for Graduation . . . . .</b>	<b>21.0</b>

English (at least through Eng. III) . . . . .	4
Math (at least 1 yr. beyond Alg. I) . . . . .	3
Science (at least 1 lab course) . . . . .	2
History (world, U.S.) . . . . .	2
Government . . . . .	0.5
Economics . . . . .	0.5
Bible . . . . .	1
Health . . . . .	0.5
Physical Education . . . . .	1
Fine/Practical Art Electives . . . . .	1
Other Electives* . . . . .	5.5
<b>Total Credits Required for Graduation . . . . .</b>	<b>21.0</b>

\* College Planner course is highly recommended



## Join us at Alpha Omega Academy!

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Find the place your student belongs. Designed for those who desire an education at home with the assurance of accreditation, AOA is the perfect combination of flexible learning and structured courses, taught by qualified teachers. AOA has open year-long enrollment so you can begin courses whenever it's convenient for you.

Join thousands of other students who enjoy Alpha Omega Academy's K-12 distance learning program and enroll today!

### Steps to Enroll

- 1. Visit [aoacademy.com/getting-started](http://aoacademy.com/getting-started) and complete the form.** An educational specialist will then call you to discuss your student's needs. This form must be completed by a parent or guardian.
- 2. Complete a free consultation.** Our educational specialist will help you learn more about our curriculum options and answer any additional questions you may have.
- 3. Your first payment will be processed** after you decide to officially enroll in Alpha Omega Academy.
- 4. Complete placement tests and send transcripts.** To ensure correct placement within curriculum at our online academy, your student will complete easy-to-follow placement tests. Previous school records or high school transcripts are required to aid in student placement.
- 5. Have an advisor consultation.** After placement testing and transcripts are received, you and your student will have a consultation session with an academy advisor. In this session, you'll discuss placement test results and course selections.
- 5. You're enrolled!** After receipt of tuition payment, your start date will be selected, and your curriculum will be shipped if applicable. You'll also get access to helpful resources like handbooks, procedure guidelines, and more.

Yes! It's that easy. Register online today at **[www.aoacademy.com](http://www.aoacademy.com)** or call **800-682-7396** for more information.



# English I

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEAC

## Overview:

- The Structure of Language
- The Nature of Language
- Words and Writing
- Paragraphs, Essays, and Research Reports
- Short Stories
- Structure and Meaning in Prose and Poetry
- Communication
- Drama
- Studies in the Novel
- Review

English I is a two-semester course that introduces students to the fundamentals of the English language. In the first semester, students explore grammar, the history of language, word definitions and English usage, essay writing, and the short story. In the second semester, students study English through prose and poetry, speech and communication, drama, and the novel. Two of the works studied in this course are \_\_\_\_\_ and \_\_\_\_\_.

Through this course, students cover in-depth grammar topics such as parts of speech, verb tense and voice, verb conjugation, root words, dictionary usage, and sentence structure. Moving into English literature and usage, the course also has units on letter writing, drama elements and history, imagery and symbolism, types of novels, subject matter, and plots and perspective. Each unit of the course contains quizzes and tests to evaluate progress and student mastery. Projects include paragraph writing and several essay projects.





# English II

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEAC

## Overview:

- Language Structure
- Writing Effective Sentences
- Writing and Reading Skills
- Speaking and Listening
- The Development of English
- The Short Story
- Studies in the Novel
- Drama
- Poetry
- Review

In English II, students study language structure, effective sentences, writing and reading skills, speaking and listening, and the development of English as a language. In the second semester, students explore the short story, drama, and various other literature forms. Two of the literary works studied in this course include the novel *In His Steps* and the play *Everyman*.

Delving into language structure, this course covers in-depth topics like pronoun rules, clauses, verbals, paragraph and sentence structure, oral reading, critical listening, and the history of words. The novel and the short story are examined in detail, along with elements of poetry including form, rhyme, meter, imagery, symbolism, and meaning. Each unit of the course contains quizzes and a test to evaluate progress and student mastery. Projects include writing a book review, a poem, and a short story.



# English III

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEPAAC

## Overview:

- Learning and Using Standard English
- Sentence Elements
- Clear Connections: A Writing Workshop
- Meaning and Main Ideas
- Poetry
- Nonfiction
- American Drama
- The American Novel
- Research
- Review

English III is a two-semester course in which students cover learning and using standard English, sentence elements, meaning, main ideas, and poetry. The second semester entails elements of nonfiction, American drama, the American novel, research, and cumulative review unit. Major works read in this course are *To Kill a Mockingbird* and *Our Town*.

Topics include dictionary usage, verbals and clauses, pronoun references and agreement, modifiers, parallel structure, prefixes and roots, and poetry structure. Elements of nonfiction, journaling, and documentation are also examined. Students analyze American drama and complete projects that include essays and a research paper with MLA documentation. Each unit of the course contains quizzes and a test to evaluate progress and student mastery.

**Additional Details:** The research project in unit 9 is considered so essential to a student's future achievement that a student will not receive credit for the second semester without successfully completing it.



# English IV

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEPAAC

## Overview:

- The Worth of Words
- The Structure of Language
- Reading and Research
- Language, God's Gift to Man
- Medieval English Literature
- Elizabethan Literature
- 17th and 18th Century English Literature
- Romantic and Victorian Poetry
- Creative Writing
- Review

English IV is a two-semester course intended to prepare students for college-level writing. In the first semester, students study the worth of words, language structure, reading, research, and medieval English literature. The second semester includes studying Elizabethan literature, 17th and 18th century English literature, romantic and Victorian poetry, and creative writing. This course includes selections from *Beowulf*, *Canterbury Tales*, *Paradise Lost*, and William Shakespeare's play *Hamlet* in its entirety.

Topics of study include expository writing, coherence and consistency, reference agreement, sentence structure, information search, language origins, and semantics. Authors studied include John Milton, Jonathan Swift, Samuel Johnson, William Wordsworth, Lord Byron, Percy Bysshe Shelly, John Keats, and Elizabeth Barrett Browning. Projects include writing free verse poetry, an elegy, a research paper from notes, and a critical essay. Each unit of the course contains quizzes and tests to evaluate progress and student mastery.



# English IV - Technical Writing

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** English III

**Available in:** IGN

## Overview:

- The Worth of Words
- The Structure of Language
- Reading and Research
- Language, God's Gift to Man
- Medieval English Literature
- Elizabethan Literature
- 17th and 18th Century English Literature
- Romantic and Victorian Poetry
- Creative Writing
- Review

English IV – Technical Writing is a two-semester course intended to equip students with the writing skills needed to succeed in the workplace. It is designed for students who struggle with formal essay writing or who intend to enter the workforce immediately after graduation. All projects focus on refining technical writing skills, and each unit of the course contains quizzes and tests that evaluate progress and student mastery.

Units covered throughout the year include the worth of words, language structure, reading and research, medieval English literature, Elizabethan literature, 17th and 18th century English literature, romantic and Victorian poetry, and creative writing. Students spend time studying work by authors including John Milton, Jonathan Swift, Samuel Johnson, William Wordsworth, Lord Byron, Percy Bysshe Shelly, John Keats, and Elizabeth Barrett Browning. The course also examines selections from *Beowulf*, *Canterbury Tales*, *Paradise Lost*, and William Shakespeare's play *Hamlet* in its entirety.



# Algebra I

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEAC

## Overview:

- Foundations of Algebra
- Linear Equations
- Functions
- Inequalities
- Linear Systems
- Semester Review and Exam
- Polynomials
- Exponential and Radical Functions
- Quadratics
- Rational Expressions
- Probability and Statistics
- Semester Review and Exam
- Final Exam
- End of Course Exam

Explore basic algebraic concepts with this full-year, high school math course. Intended for students who have successfully mastered the core algebraic concepts covered in pre-algebra, this Ignitia course gives students practice evaluating, creating, solving, and graphing linear, quadratic, and polynomial functions.

More rigorous than Principles of Algebra I, this online course requires students to gain a deeper knowledge and apply their understanding of algebraic concepts to problem solving. It is intended for students who have successfully mastered the core algebraic concepts covered in pre-algebra. This 14-unit course includes two semester reviews and exams, a final exam, and an end-of-course exam.



# Geometry

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** Algebra I

**Available in:** IGN and LIFEPAAC

Gain valuable practice with linear, coordinate, and plane geometry with Geometry from Alpha Omega Academy. In this full-year, high school math course, students gain experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction.

The course is designed for students who have successfully completed Algebra I. This 15-unit course includes two semester reviews and exams, a final exam, and an end-of-course exam.

## Overview:

- Introduction
- Logic
- Angles and Parallels
- Congruent Triangles and Quadrilaterals
- Similar Polygons
- Semester Review and Exam
- Circles
- Area and Volume
- Coordinate Geometry
- Transformations
- Geometric Application
- Probability
- Semester Review and Exam
- Final Exam
- End of Course Exam



# Algebra II

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** Algebra I, Geometry

**Available in:** IGN and LIFEPAAC

Designed for students who have successfully completed Algebra I, this full-year, high school math course integrates geometric concepts and skills to introduce students to basic trigonometric identities and problem solving skills. Throughout the online course, students develop an understanding of advanced number theory, pre-calculus theories, and concepts involving linear, quadratic, and polynomial functions.

This 16-unit course includes two semester reviews and exams, as well as a final exam to ensure mastery of content.

## Overview:

- Set, Structure, and Function
- Numbers, Sentences, and Problems
- Linear Equations and Inequalities
- Polynomials
- Algebraic Fractions
- Semester Review and Exam
- Real Numbers
- Quadratic Relations and Systems
- Functions
- Counting Principles
- Trigonometry
- Statistics
- Review
- Semester Review and Exam
- Final Exam
- End of Course Exam



# Pre-Calculus

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** Algebra II

**Available in:** IGN and LIFEPAAC

## Overview:

- Relations and Functions
- Functions
- Trigonometric Functions
- Circular Functions and Their Graphs
- Identities and Functions of Multiple Angles
- Semester Review and Exam
- Application of Trigonometric Functions
- Inverse Trigonometric Functions and Polar Coordinates
- Quadratic Equations
- Counting Principles
- Calculus and Review
- Semester Review and Exam
- Final Exam

Pre-Calculus prepares students for calculus and advanced math at the college level. Students expand their knowledge of algebraic skills learned in Algebra II and complete a thorough study of trigonometry. Topics of study in the first semester of this course from our online academy include relations and functions, circular functions and their graphs, and identities and functions of multiple angles.

In the second semester, topics include trigonometric functions, inverse trigonometric functions and polar coordinates, quadratic equations, and probability. Exercises in this course from our online academy include circular permutations, the ellipse applied, the parabola continued, inverse functions, graphing polar equations, inclined plane application, and quotient and Pythagorean relations. Each unit of the course contains quizzes and a test to evaluate progress and student mastery.

**Additional Details:** Although the course can be completed with a scientific calculator, a graphing calculator is recommended.





# Integrated Physics and Chemistry

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Explorations in Physical Science
- The Structure of Matter
- Matter and Change
- States of Matter
- Motion and Forces
- Work and Energy
- Heat Flow
- Electricity and Magnetism
- Waves
- Chemistry and Physics in Our World
- Review

Integrated physics and chemistry equips students with a foundation for understanding the basics of matter and energy. This course helps students understand physical and chemical science fundamentals by observing the God's world. First semester topics include matter and changes in matter, motion and forces, electricity, and magnetism.

Second semester lessons discuss atomic structure, geology, oceanography, astronomy, and body health. Global warming and the effects of fossil fuel are also examined. Integrated throughout the course, hands-on experiments include measuring matter, separating a mixture, motion graphs, conservation of energy, insulators, and more. Each unit of the course contains quizzes and a test to evaluate progress and student mastery.

**Additional Details:** There are materials required to complete the experiments in this course. The academy recommends Home Science Tools as an excellent resource for purchasing these specialized materials. Product codes are included with certain items to help parents purchase the correct materials from Home Science Tools.



# Biology

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEPAAC

## Overview:

- Taxonomy: Key to Organization
- Basis of Life
- Microbiology
- Cells
- Plants: Green Factories
- Human Anatomy and Physiology
- Genetics: God's Plan of Inheritance
- Cell Division and Reproduction
- Ecology, Pollution, and Energy
- Principles and Application of Biology

In biology, students explore microbiology, cells, plants, the human body, genetics, ecology, and more. With material presented from a biblical viewpoint, students will learn about living organisms, the chemistry of living things, cellular biology, animals, humans, genetics, and cell reproduction.

Beginning with plant and animal classification, this informative course includes experiments such as water properties, onion and cheek cells, osmosis, tissue structure, mitosis, molecular genetics, protozoan cultures, and biomes. Topics include organic compounds, microscope usage, cell design, cell division, metamorphosis, chromosomes, food chains, and human body systems. Each unit contains quizzes and a test to evaluate progress.

**Additional Details:** Materials are required to complete the labs in this course. Quality Science Labs has compiled a kit which includes everything needed to complete the biology labs, excluding a microscope. This kit can be purchased at [www.qualitysciencelabs.com](http://www.qualitysciencelabs.com) under AOA Kits category. You can also call 866-700-1884 and request the Alpha Omega Academy Biology Kit. A minimum of two-thirds of the projects must be completed for this course to be considered a laboratory science (college preparatory).



# Chemistry

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEPAAC

## Overview:

- Measurement and Analysis
- Starting the Investigation: How to Identify Elements, Compounds, and Mixtures
- Exploring Laws for Gases and Conservation of Mass
- The Discovery of Atoms: Nature's Building Blocks
- Molecular Structure
- Chemical Reactions, Rates, and Equilibrium
- Equilibrium Systems
- Carbon Chemistry: Hydrocarbons
- Carbon Chemistry: Functional Groups
- Chemistry Review

Explore the wonders of chemicals with this fun chemistry survey course! Students learn major topics in the fields of matter and energy. In the first semester, topics examined include elements, compounds, mixtures, gas laws, conservation of mass, atomic structure, and molecular structure. In the second semester, students continue their examination of chemistry with topics of chemical reactions, chemical equilibrium systems, carbon chemistry or organic chemistry.

Experiments include mixture of compounds, determination of absolute zero, conservation of mass, empirical formula of a hydrate, pH indicators, and more. This course also utilizes virtual labs where students do their experiments in an online simulator. Each unit of the course contains quizzes and a test to evaluate progress and student mastery.

**Additional Details:** The labs in this course are completed using the online simulator Late Nite Labs. A minimum of two-thirds of the projects must be completed for this course to be considered a laboratory science (college preparatory).



# Physics

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEPAC

## Overview:

- Kinematics
- Dynamics
- Work and Energy
- Introduction to Waves
- Light
- Static Electricity
- Electric Currents
- Magnetism
- Atomic and Nuclear Physics
- Review

Physics explores the science of motion in God's world. In this course, students look at topics such as kinematics, dynamics, work and energy, introduction to waves, and light in the first semester. In the second semester, topics include static electricity, electrical currents, magnetism, and atomic and nuclear physics.

In this course students learn through lessons and experiments that display the behavior of motion. Experiments include balancing a straw, circular motion, simple machines, waves and wave speeds, convergence, light angles, and more. In-depth lesson topics include electric charges, fluid flow, field forces, speed of light, heat energy, gravity, and vectors. Each unit of the course contains quizzes and a test to evaluate progress and student mastery.

**Additional Details:** Taking Algebra II concurrently or prior to physics is recommended. There are materials required to complete the labs in this course. The academy recommends Home Science Tools as an excellent resource for purchasing these specialized materials. Product codes are included with certain items to help parents purchase the correct materials from Home Science Tools. A minimum of two-thirds of the projects must be completed for this course to be considered a laboratory science (college preparatory).



# World Geography

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Introduction to Geography
- Human Geography
- North America
- Central America, South America, and the Caribbean
- Oceania, Australasia, and Antarctica
- Western Europe
- Eastern Europe and Russia
- Sub-Saharan Africa
- North Africa and Southeast Asia
- Central, South, East, and Southeast Asia

World geography helps students see themselves in relation to their communities, their states, their country, and the world. In world geography students learn the major countries and continents and the tools and technologies of geography to study the world. The first semester covers an introduction to geography; human geography and interaction; the Americas and the Caribbean; and Oceania, Australasia, and Antarctica.

The second semester of this course travels God's world and examines continents including Europe, Asia, and Africa. Lesson topics discuss maps and charts, cultural mosaics, human movement, physical geography of various areas, and economics and politics of regions. Projects include examining energy resources, the U.S. National Parks, Western Europe, Sub-Saharan Africa, and environment effects on human health. Each unit of the course contains quizzes and a test to evaluate progress and student mastery.



# World History

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEAC

## Overview:

- Ancient Civilizations I
- Ancient Civilizations II
- The Medieval World
- Renaissance and Reformation
- Growth of World Empires
- The Age of Revolution
- The Industrial Revolution
- Two World Wars
- The Contemporary World
- Ancient Times to the Present

Discover the history of the world from ancient civilizations until the end of the 20th century with this world history course! Students explore how the world has changed and developed, giving a greater understanding of the world today. In the first semester, topics include ancient civilizations such as the Egyptians, Assyrians, Greeks, and Romans. Additional topics include the medieval world and the Middle Ages, the Renaissance and Reformation in Europe, and the growth of world empires.

In the second semester, students examine the Age of Revolution including the English, French, and American Revolutions. The English and American Industrial Revolutions, the two World Wars, the contemporary world and the cold war, and a review section are also included. Projects include papers on socialism or free enterprise and a major event of the 20th century. Each unit of the course contains quizzes and a test to evaluate progress and student mastery.



# U.S. History

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEPAK

## Overview:

- Foundations of the American Republic
- Development of Constitutional Government
- National Expansion
- A Nation Divided
- A Nation Divided and United
- United States Involvement at Home and Abroad
- The Search for Peace
- A Nation at War
- Contemporary America
- United States History Review

In U.S. history, students study the development of the United States from the time of exploration to modern times. This course explores the political, economic, and social changes that have shaped the United States into the country it is today. In the first semester students will study the settlement of the New World, the growth of the American Colonies, the development of the U.S. Constitution, national expansion and the War of 1812, and the U.S. Civil War and Reconstruction Era.

Second semester topics include the growth of U.S. industry, World War I, the twenties, the Great Depression, World War II, and the Korean and Vietnam Wars. Lessons also examine contemporary America from the 1960s to the present. Included is a section on the terrorist attacks on 9/11. Projects include an essay on foreign policy, Seward's proposal of Alaska, and a report analysis on containment policy during the cold war. Each unit of the course contains quizzes and a test to evaluate progress and student mastery.



# Government and Economics

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEPAAC

## Overview:

- International Governments
- United States Government
- The American Party System
- History of Government
- The Christian and His Government
- Free Enterprise
- Business and You
- The Stock Market
- Budget and Finance
- Banking
- International Issues

Government and economics is intended to give students a solid foundation of understanding for college. The government section of this course explores the different types of governments and the principles and values of American democracy. First semester topics include the need for government and types of government, the U.S. government structure, the American party system of political parties and elections, and the history of governments. Students will also examine the Christian's role in government.

In the second semester of this course, students learn about free enterprise, world economics, the stock market, and personal finance. International issues such as global travel, trading partners, banking, and currency differences are also discussed. In-depth lessons include checking accounts, IRAs, credit cards, bank loans, and more. Projects include reports on the Supreme Court, Christian involvement in politics, and stock market investing. Each unit of the course contains quizzes and a test to evaluate progress and student mastery.





# New Testament Survey

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**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEPAC

## Overview:

- Introduction to the New Testament
- The Gospels
- The Acts of the Apostles
- The Pauline Epistles
- The General Epistles
- The Revelation of Jesus Christ
- Biblical Literature: Job and Suffering
- How to Share Christ with Your Friends
- God's Will for Your Life
- Review

Give students the authority of the Bible! This Bible course offers an in-depth examination of the 27 books of the New Testament along with studies related to the question of human suffering, sharing Christ with others, and finding God's direction for one's life. The first semester covers an introduction to the New Testament, the Pauline and general Epistles, the Gospel authors, and the Acts of the Apostles.

The second semester covers the Revelation of Jesus Christ and the Seven Seals, biblical literature, Job's suffering and the sufferings of Christ, evangelism and outreach, and God's will for your life, and knowledge of personal gifts. Course units contain essays, quizzes, and tests to evaluate progress and student mastery.



# Old Testament Survey

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEPAAC

## Overview:

- Creation to Abraham
- Abraham through Joseph
- The Exodus and Wanderings
- Israel in Canaan
- The Judges and Spiritual Decline
- The Kingdom
- The Divide Kingdom
- The Remaining Kingdom
- The Captivity
- The Restoration

Travel the stories of the Old Testament with this high school survey course. This course provides an overview of the authorship and contents of the entire Old Testament, particularly noting how God worked in history to prepare people for the coming of His Son. First semester topics include Creation and the Flood, Abraham and Isaac, lineage to Joseph, the Exodus of God's people, Israel in Canaan and Joshua, the Judges, and spiritual decline.

Continuing in the second semester, students examine the Kingdom of Israel under Saul, David, and Solomon; the Divided Kingdom; the captivity and stories of Jeremiah, Ezekiel, and Daniel; the Prophets; and the Restoration with the rebuilding of the temple and the walls of Jerusalem. Course units contain essays, quizzes, and tests to evaluate progress and student mastery.



# Bible Doctrine

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**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEPAAC

## Overview:

- The Faithfulness of God
- Romans Part I
- Romans Part II
- The Doctrine of Jesus Christ
- The Nation of Israel
- The History of the Canon
- Friendship, Dating, and Marriage
- The Pursuit of Happiness
- Apologetics
- Review

This Bible doctrine course provides a practical, non-denominational presentation of Bible themes particularly suited to helping high school young people. In this course, students learn how biblical doctrine applies to daily living. Topics in the first semester include God's faithfulness, the story of Paul and the Romans, the doctrine of Jesus Christ, and the Hebrew nation of Israel.

In the second semester, students cover the history of the canon and the formation of the Old and New Testaments. Practical daily life topics include the responsibilities of friendship, and the definitions of dating and purpose of marriage. A section on apologetics and questions on the doctrine, application, and integrity of the Bible are studied. Course units contain essays, quizzes, and tests to evaluate progress and student mastery.



# Christian Faith and Living

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEAC

## Overview:

- Knowing Yourself
- Christian Ministries
- Choosing a Ministry
- The Godhead
- The Attributes of God: Holiness and Goodness
- The Epistles of James and John
- Biblical Literature: Daniel
- Comparative Religions
- Wisdom for Today's Youth
- Practical Christian Living

The Christian faith and living course presents a variety of lessons useful for young people about to make important decisions affecting the future direction of their lives. First semester topics include understanding personal uniqueness, determining spiritual gifts, Christian ministry options, the view of the Godhead, and God's holiness and goodness.

Furthering application of biblical lessons, the course continues with second semester topics such as comparative religions, the lessons from the lives of David and Solomon, and practical Christian living. Biblical literature of the book of Daniel and the epistles of James and John are also studied. Course units contain essays, quizzes, and tests to evaluate progress and student mastery.



# Foundations for Living

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEPAAC

## Overview:

- What is a Biblical Worldview?
- Presuppositions
- The Doctrines of the Bible
- God's Creation
- The Family
- The Bible and Marriage
- Engagement to Parenting
- Christian Education
- Politics and Art
- Tying It All Together

Help students learn how to glorify God and live as Christian servants and leaders.

Building a solid biblical worldview, this elective demonstrates that God's Word directly addresses practical instructions for daily life.

First semester topics include biblical and conflicting worldviews, presuppositions and assumptions, the basis for truth, doctrine of the Bible, God's creation of man, the great commission, and fatherhood of God and its symbolism for men as the head of the family.

Second semester topics include building a solid foundation for a successful marriage, the roles of family members, dating versus courtship, the importance of Christian education, and Christianity applied to the study of art, music, and politics. Perfect for soon-to-be high school graduates, this elective is highly recommended to promote a foundation of solid Christian principles to apply to adult life. Course units contain essays, quizzes, and tests to evaluate progress and student mastery.



# American Literature

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** English I, English II

**Available in:** IGN and LIFEPAAC

## Overview:

- Early American Literature (1600-1800)
- Romantic Period (1800-1855)
- War and Reconciliation (1855-1915)
- The Modern Age (1915-1946)
- From Modern to Postmodern (1946-Present)

In this high school elective, students uncover the rich world of American literature. This course gives students a look at the beginnings and development of written works in America. Filled with works from renowned American writers and poets, this course is an excellent college preparatory supplement to the language arts curriculum for juniors or seniors.

One semester in length, this course includes works from the Puritan times through the post-modern age. Authors include Henry Wadsworth Longfellow, Walt Whitman, Edgar Allan Poe, Emily Dickinson, Mark Twain, Ernest Hemingway, and F. Scott Fitzgerald. The play *Our Town* is read in this course of study. Course units contain essays, quizzes, and tests to evaluate progress and student mastery.



# British Literature

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** English I, English II

**Available in:** IGN and LIFEAC

## Overview:

- The Middle Ages
- The Sixteenth Century
- The Seventeenth and Eighteenth Centuries
- The Nineteenth Century
- The Twentieth Century

In this high school course, students explore the rich world of British literature. This course gives students an in-depth look at the beginnings and development of written works in Great Britain. Filled with works from acclaimed British writers, this course is an excellent college preparatory supplement to the language arts curriculum for juniors or seniors.

One semester in length, this course includes works from the Middle Ages through the 20th century. Authors include William Shakespeare, John Bunyan, William Wordsworth, Lord Byron, Percy Bysshe Shelley, John Keats, Robert Browning, and C.S. Lewis. Works studied include *Beowulf*, *Le Morte d' Arthur*, and *The Taming of the Shrew*. Course units contain essays, quizzes, and tests to evaluate progress and student mastery.



# Consumer Math

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** Algebra I, Geometry

**Available in:** IGN and LIFEAC

## Overview:

- The Real Number System
- Modeling Problems in Integers
- Modeling Problems with Rational Numbers
- Proportional Reasoning
- More with Functions
- Measurement
- Plane Geometry
- Measures of Solid Figures
- Data Analysis
- Probability

This practical math elective trains students in mathematical applications used in everyday situations. Consumer math includes real-world examples and an emphasis on critical thinking skills to solve problems. Topics in the first semester include an overview of basic math skills, personal finance skills, statistics and home recordkeeping, taxes, insurance, and banking services.

Building financial literacy in your student, this course's second semester topics include credit cards and loan interest, purchasing items, discounts and markups, travel and transportation costs, vacation spending, retirement planning, and job related services. Encouraging solid financial habits, this course is essential for success in adulthood no matter students' desired career paths. Each unit of the course contains quizzes and a test to evaluate progress and student mastery.

**Additional Details:** A scientific or graphing calculator is required for this course. Content will differ slightly for LIFEAC Consumer Math.





# Pre-Algebra

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** Algebra II

**Available in:** IGN and LIFEAC

## Overview:

- The Real Number System
- Modeling Problems in Integers
- Modeling Problems with Rational Numbers
- Proportional Reasoning
- More with Functions
- Measurement
- Plane Geometry
- Measures of Solid Figures
- Data Analysis
- Probability

Great as a refresher, pre-algebra is a full-semester math elective that introduces the use of mathematical equations to solve algebraic problems. Topics in the first semester include whole numbers, fractions, decimals, percents, ratios, and proportions. Students learn to calculate length, area, and volume in basic two-dimensional and three-dimensional geometric figures.

Additional topics include solids, variables, equations, formulas, probability, and statistics. Helping your high schooler prepare for upper-level algebra courses, this introductory course is a wonderful overview for those who need remedial work as material is a repeat of fundamentals taught in 8th grade math. Lessons include exercises with such as topics as exponents, graph analysis, inequalities, slope and intercept, plane geometry, and data analysis. Each unit of the course contains quizzes and a test to evaluate progress and student mastery.



# Principles of Algebra I

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Foundations of Algebra
- Linear Equations
- Functions
- Inequalities
- Linear Systems
- Polynomials
- Exponential and Radical Functions
- Quadratics
- Rational Expressions
- Probability and Statistics
- Semester Review and Exam
- Final Exam

Principles of Algebra I emphasizes the development of algebraic fluency as students study the language of algebra and begin classifying and comparing numbers. Throughout this online course, students tackle lessons that focus on functions, linear equations, compound inequalities, exponential expressions, radicals, monomials, trinomials, polynomials, and quadratics.

Students are encouraged to use various types of reasoning to formulate and evaluate math problems and solutions. The 13-unit course includes two semester reviews and exams before concluding with a final exam.



# Principles of Algebra II

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** Principles of Algebra I

**Available in:** IGN

## Overview:

- Set, Structure, and Function
- Numbers, Sentences, and Problems
- Linear Equations and Inequalities
- Polynomials
- Algebraic Fractions
- Semester Review and Exam
- Real Numbers
- Quadratic Relations and Systems
- Exponential Functions
- Counting Principles
- Review
- Semester Review and Exam
- Final Exam

Principles of Algebra II is a full-year, high school math course intended for students who have successfully completed the prerequisite course Principles of Algebra I. This course focuses on algebraic techniques and methods to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions, and pre-calculus theories.

This course also integrates geometric concepts and skills throughout the units, as well as introducing students to basic trigonometric identities and problem solving. The 13-unit course includes two semester reviews and exams before concluding with a final exam.



# Principles of Geometry

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** Principles of Algebra I

**Available in:** IGN

Principles of Geometry is a full year, high school math course for students who have successfully completed Principles of Algebra I. The course focuses on the skills and methods of linear, coordinate, and plane geometry. Students also gain solid experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction.

By the end of the course, students will understand defined terms, axioms, postulates, theories, trigonometric ratios, and more. The 13-unit course includes two semester reviews and exams before concluding with a final exam.

## Overview:

- Introduction to Geometry
- Logic
- Angles and Parallels
- Congruent Triangles and Quadrilaterals
- Similar Polygons
- Semester Review and Exam
- Circles
- Area and Volume
- Coordinate Geometry
- Transformations
- Review
- Semester Review and Exam
- Final Exam



# Trigonometry

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** Algebra II

**Available in:** IGN

## Overview:

- Right Triangle Trigonometry
- Graphing and Inverse Functions
- Analytic Trigonometry
- Trigonometric Applications
- Polar Coordinates
- Course Review

Get the right angle on college-prep with this math elective. Trigonometry is a one-semester course that introduces the properties of trigonometric functions and their graphs. This course emphasizes graphing and to see how trigonometric functions work. Topics of study include right angle trigonometry, Pythagorean identities, graphing and amplitude, inverse functions, and analytical trigonometry.

Equipping students for upper-level math courses, this course includes additional topics like laws of sines and cosines, and polar coordinates. Students also apply trigonometry to real world problems. Lessons include exercises such as velocity, length of sides, reciprocal functions, and proving identities. Each unit of the course contains quizzes and a test to evaluate progress and student mastery.

**Additional Details:** Students require access to a scientific calculator for this course. A graphing calculator is not required.



# Earth Science

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEPAAC

## Overview:

- Dynamic Structure of Earth
- Forces and Features of Earth
- Features of Earth's Crust
- Shaping Earth's Crust
- Semester Review and Exam
- Earth's Water
- Earth's Atmosphere
- Earth's Weather and Climate
- Astronomy
- Semester Review and Exam

Uncover God's amazing world with this fun elective! Earth science explores the earth's structure, interacting systems, and place in the universe. First semester topics include earth's layers, plate boundaries, ecosystems, volcanoes and earthquakes, earth's crust and rock composition, and forces that shape the earth's crust such as erosion, water, glaciers, and wind.

Digging into the fundamentals of earth's design, this Bible-based course continues with second semester topics such as the earth's water systems, atmosphere and pollution, weather and climates, and astronomy. The earth's place in the solar system, orbit and planetary motion, and the structure of stars and galaxies are also discussed. Each unit of the course contains quizzes and a test to evaluate progress and student mastery. Projects and hands-on experiments included.

**Additional Details:** Science materials required for the projects in this course. Please find a list of required materials is available on the academy's website.



# Physical Science

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEPAC

## Overview:

- Structure of Matter I
- Structure of Matter II
- Energy I
- Energy II
- Machines I
- Machines II
- Science and Tomorrow
- Volume, Mass, and Density
- Our Atomic World
- Science and Tomorrow

Prepare students for chemistry and physics! Physical science is the perfect elective for providing students with a foundational understanding of physical science basics. First semester topics include physical properties of matter; atoms and molecules; elements and compounds; change in matter, acids and bases; and energy forms.

In the second semester of this elective, students cover lessons on magnetism, electricity, machines and the laws of force, friction and mechanical apparatuses, atomic and nuclear structures, and volume and mass. Also included is a section on science and tomorrow which reviews the impacts of humanity on environments and exploration. Each unit of the course contains quizzes and a test to evaluate progress and student mastery. Projects and hands-on experiments included.

**Additional Details:** Materials are required to complete the labs in this course. The academy recommends Home Science Tools as a resource for purchasing these specialized materials. Product codes are included with certain items to help parents purchase the correct materials from Home Science Tools. Please note: material covered in this course is the same content found in 8th and 9th grade science.



# Science 9

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEAC

## Overview:

- Our Atomic World
- Volume, Mass, and Density
- Physical Geology
- Historical Geology
- Oceanography
- Astronomy
- Body Health (Part 1)
- Body Health (Part 2)
- Science and Tomorrow
- Review

Dive into science fundamentals with this exciting course! In 9th grade science, students explore topics in physical science, earth and space science, and life science. In the first semester, students study topics such as matter structure, volume and mass, earth structures and changes, geology and time measurement, and the basics of oceanography including ocean biology, currents and turbidity, and physical properties of the ocean.

Astronomy, constellations, and space explorations are topics that begin the second semester in this course. Additional lessons explore body health, infections and diseases, body defense mechanisms, and medical advances. This course is completed with a section on science and tomorrow which reviews the impacts of humanity on environments and exploration. Each unit of the course contains quizzes and a test to evaluate progress and student mastery. Projects and hands-on experiments included.

**Additional Details:** There are materials required to complete the labs in this course. The academy recommends Home Science Tools as a resource for purchasing these specialized materials. Product codes are included with certain items to help parents purchase the correct materials from Home Science Tools.





# Civics

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- A New Nation
- The Constitution
- Branches of Government
- Government by the People
- Relationship to the World

Today's students are tomorrow's voters. Teach citizenship responsibilities with Civics! Exploring the many facets of America's government, this one-semester elective covers the history and structure of government, political leadership roles, and worldwide politics, as well as federal, state, and local governments.

Lessons cover the U.S. Constitution and the Bill of Rights, the three branches of America's government, the election process, economics, comparative governments, and individual freedoms. This online academy course encourages students to understand the present system in America by looking at the past. Course units contain quizzes and tests to evaluate progress and student mastery.



# Civics and World Geography

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** LIFE PAC

## Overview:

- The Heritage of the United States
- Our National Government
- State and Local Government
- Planning a Career
- Citizenship
- The Earth and Man
- Regions of the World
- Man's Environment
- The Tools of the Geographer
- Man in a Changing World

Expand students' understanding of government and the world's dynamic composition! The first semester of civics and world geography discusses the history and workings of national, state, and local governments, and the privileges and responsibilities of the individual citizen living within this political environment.

The second semester is a study of world geography in both physical and human geography. Lesson topics include earth and human interactions, geographical and political regions of the world, human affects on the environment, the tools of the geographer, and man's interaction in a changing world. Each unit of the course contains quizzes and a test to evaluate progress and student mastery. Projects and reports are included.



# State History and Government

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

Varies by state

State History and Government courses are available for each of the 50 United States. For the states of AK, CT, DE, HI, IA, ID, LA, MA, ME, MN, MS, MT, ND, NE, NH, NJ, NM, NV, RI, SD, UT, VT, WV, and WY, students develop their critical thinking and research skills as they complete the course by preparing reports on a variety of topics that include state government and leaders, a historical timeline, state growth and population, natural resources, economics and business, tourism and cultural distinctions, and Christian heritage and influence.

For the states of AL, AR, AZ, CA, CO, GA, IL, IN, KS, KY, MD, MI, MO, NC, NY, OH, OK, PA, SC, TN, TX, VA, WA, and WI, the course is organized in a five-unit format that includes lessons on state introduction, history and culture, government, economy, and citizenship. Research projects and essay questions are included.



# Twentieth Century American History

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Coming of Age
- Modern America Emerges
- Boom to Bust
- World War II and the Cold War
- Change, Continuity, and Conflict

Twentieth century American history is an elective that presents students with topics on political, economic, and social developments of the United States during the 20th century. This one semester course covers the Industrial Age, the Progressive Era, the Roaring Twenties, the Great Depression, and the civil rights movement. Additional topics include U.S. involvement in World War I, World War II, and the cold war. Students also examine how developments influenced present-day America.

Topics include an examination of the U.S. presidential terms of Nixon, Ford, Carter, and Reagan and the challenges they faced. Additional topics include a look at the way technology and social and religious changes have affected the American culture, workforce, and economy. Each unit of the course contains quizzes and a test to evaluate progress and student mastery. Projects are included.



# U.S. Civil War

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- The Pre-War Years
- The Early Years
- Turning Point
- War in the South
- Reconstruction of a Nation
- The Civil War in Review

Visit a major turning point in U.S. history!

This history elective examines one of the most crucial turning points in American history – the U.S. Civil War. This one semester history course describes the major points of contention between the North and the South including differing viewpoints on slavery. Lessons examine why a clash in culture and beliefs led to the South's secession and the start of the U.S. Civil War.

In this course, students study the lives and actions of key figures such as Abraham Lincoln and Robert E. Lee, the leaders of the North and South, and gain a glimpse into the daily life of a soldier. By examining pivotal battles and troop movements, students gain an understanding of the importance of strategy in the war. The course also considers the aftermath of the war, including the Reconstruction Era. Each unit of the course contains quizzes and a test to evaluate progress and student mastery. Projects are included.



# Vietnam Era

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- The Origins of U.S. Involvement in Vietnam
- From Military Advisors to Combat Troops
- A Nation Divided by War
- Achieving Peace with Honor
- The Legacy of Vietnam
- Course Review

Vietnam Era is an elective that helps students gain an in-depth look at the country of Vietnam and the factors that led to the Vietnam War and the United States' involvement in the war. Topics include the history of Vietnam through colonization and the World Wars, the rise of nationalism, the Gulf of Tonkin incident, Vietnam soldiers and Vietcong tunnels, the American effort, and the antiwar movement.

Additional lessons examine President Johnson and President Nixon's involvement in war policy, the invasion of Cambodia, secret diplomacy tactics, and the end of the war. The effects of the Vietnam War such as Nixon and Watergate, prisoners of war, aftermath on veterans, and U.S.-Vietnam relations today are also studied. Students explore how events of the war affected United States' politics, foreign policy, and society. Each unit of the course contains quizzes and a test to evaluate progress and student mastery. Projects are included.



# Spanish I

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Vocabulary
- Pronunciation
- Parts of Speech
- Translation
- Listening Comprehension
- Verb Tenses
- Pronouns
- Locations
- Action and Auxiliary Verbs
- Irregular Verbs
- Reading Comprehension

This introductory Spanish course places primary emphasis on learning Spanish vocabulary.

Topics include a numbers, vocabulary building through narratives, pictographs, questions and answers, sentence building, verb conjugation and tenses, and compound tenses. This course also includes an overview of various Hispanic cultures.

Continuing in the second semester, students learn Spanish through a presentation of language in day-to-day conversations, such as a mother talking to a baby, a child answering the phone, being in a classroom, visiting Mexico, and listening to chatter at a royal ball. Fun stories such as “The Three Little Pigs,” “Red Riding Hood,” “The Three Bears,” and “The Boy Who Cried Wolf” are included to build vocabulary through storytelling. This course contains fun activities like recipes and tests to evaluate progress and student mastery.

**Additional Details:** Students can earn an elective credit by taking Basic Spanish, but since it is not a college preparatory course, it does not count toward the foreign language requirement of the college prep track.



# LIFEPAC Spanish I

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** LIFEPAC

## Overview:

- Introduction to Spanish
- At School
- The Home and the Family
- Around Town
- Pastimes
- In the Restaurant
- Weather and Culture
- Travel and Transportation
- A Typical Town
- Let's Use Our Spanish

LIFEPAC Spanish I is a basic Spanish course that teaches the fundamentals of Spanish grammar and vocabulary through such areas as home, school, work, weather, and more. This course enables students to learn basic Spanish grammatical concepts, common verb forms, pronunciation, basic vocabulary, and the most relevant aspects of the geography and culture of Spain and Latin America.

This fun-filled course has easy, step-by-step lessons and simple explanations that every student can follow. Topics covered include vocabulary-related numbers, months, seasons, time, colors, clothing, and basic parts of speech like nouns, verbs, and pronouns. Culture and geography of Spanish speaking countries from around the world is also studied. This course contains quizzes and tests to evaluate progress and student mastery.

**Additional Details:** LIFEPAC Spanish I includes an audio CD that helps students learn correct pronunciation of vocabulary words and develop Spanish listening skills. A print or online Spanish-English dictionary is recommended for lesson use.





# Spanish II

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Friends in the World
- Friends in Chile
- Friends in Venezuela
- Friends in Peru
- Friends in Colombia
- Review and Semester Exam
- Friends in Guatemala
- Friends in Bolivia and Ecuador
- Friends in Costa Rica
- Friends in Nicaragua

In Spanish II, students continue to travel with fictional characters to more Spanish-speaking countries, learning language and culture on the way. Language learning includes review of Spanish I material as well as the imperative and conditional forms of verbs, the passive se, more on adjective placement, uses of *por* and *para*, superlatives, and possessive adjectives.

This course builds students' knowledge of intermediate Spanish with fun conversation and dialogue. Lessons help students learn to read, write, and understand more complex Spanish words and sentences. Vocabulary words are presented in situational daily usage pertaining to life areas and events. Cultural differences and similarities are also examined. This course contains quizzes and tests to evaluate progress and student mastery. Projects are included.



# LIFEPAC Spanish II

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** LIFEPAC

## Overview:

- Grammar Review
- Forms of the Past Tenses
- Usages of the Past Tenses
- Possession and Present Participles
- Prepositions and Pronouns
- Comparisons and Negatives
- Future and Conditional Tenses
- Compound Tenses
- Adverbs and Commands
- Subjunctive Mood

LIFEPAC Spanish II is a basic Spanish course that teaches the more complex Spanish verbs and grammatical structures. This course expands students' knowledge of Spanish grammatical concepts, common verb forms, vocabulary, and enhances knowledge of the geography and culture of Spain and Latin America. This course also focuses on writing more complete sentences and short stories.

Lesson exercises include matching visuals with names or descriptions, answering in complete sentences, and answering oral questions. Vocabulary words focus on health, travel, festivities, daily routine, and more. Parts of speech covered include nouns, verbs and tenses, adjectives, and adverbs. Mood, voice, sentence structure, and singular and plural conjugations are also practiced. This course contains quizzes and tests to evaluate progress and student mastery.

**Additional Details:** LIFEPAC Spanish II includes an audio CD that helps students learn correct pronunciation of vocabulary words and develop Spanish listening skills. A print or online Spanish-English dictionary is recommended for lesson use.



# Spanish III

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** Spanish II

**Available in:** IGN

## Overview:

- We Are Hispanic
- Day to Day
- News, Show Business, and Entertainment
- Teaching and Communication
- All around Us
- Semester Exam
- Traveling
- Health and Wellbeing
- Let's Protect Our Planet
- In the Footsteps of the Past
- Social Consciousness
- Semester Exam

Ignitia Spanish III is a high school foreign language course that builds upon skills and concepts taught in Spanish II. The online course emphasizes the five c's of communication, cultures, connections, comparisons, and communities. Course materials support students as they work to gain an understanding of the Hispanic culture, as well as proficiency in speaking, listening, reading, and writing in Spanish. Conversation projects are included at the end of each unit.

Upon completion of the year-long course, students should be able to carry on an everyday conversation in Spanish, write accurately and appropriately to communicate with other Spanish speakers, listen to and understand passages spoken in Spanish, read and understand passages in Spanish, and demonstrate an understanding of Hispanic countries and their corresponding cultures.



# French I

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Welcome
- At School
- Family and Friends
- Leisure Time and Activities and Sports
- Holidays and Traditions
- In Town
- Enjoy Your Food
- Daily Life
- The Media
- Vacation

Learn French the fun way! Throughout French I, students accompany fictional characters, two Americans, studying French in an academic year abroad in France. The characters are staying with host families and will be learning the language, culture, and customs of people in France, as well as in other French-speaking countries. While traveling, students learn the basics of French including verb conjugation, moods, direct and indirect objects, demonstrative pronouns and adjectives, adjective placement, and other grammatical items.

Vocabulary words are presented in situational daily usage such as greetings, alphabet, numbers, geography, schooling, family and friends, leisure time, sports, celebrations, traditions, food, daily life, the media, and summer vacations. Cultural differences and similarities are also examined. This course contains quizzes and tests to evaluate progress and student mastery.



# French II

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Let's Go Shopping!
- At Work
- At the Movies
- In Town and in the Country
- Health
- Winter Vacation
- Fashion
- In the Art Museum
- At the Beach
- Rites of Passage

Continue students' study of French! Throughout French II, students continue to accompany fictional characters who are studying French in an academic year abroad in France. This course continues to build on lessons taught in French I and provides further exposure to French culture, grammar, and vocabulary. Lessons review verbs, demonstrative adjectives, direct object pronouns, and basic sentence structure

Vocabulary words are presented in situational daily usage such shopping, work, movies, city and country life, health issues, winter vacations, fashion, art, beach, and stages of life. Cultural differences and similarities are also examined. This course contains quizzes and tests to evaluate progress and student mastery.



# French III

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**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** PS

## Overview:

- Specialized vocabulary terms and phrases
- Grammar patterns
- Open conversational prompts
- Recognize and respond to significant works of literature in French
- Cultural practices, products, and perspectives of various French-speaking countries

Intermediate French students who have a strong base in vocabulary, speaking, and listening skills reach a new level of mastery and fluency in French III. Through games and compelling stories, students learn advanced grammar and vocabulary, with an emphasis on correct accents and comprehension of real-world native speech.

Error-recognition technology helps students eliminate common mistakes from their speaking and writing. Engaging graphics, videos, and games keep students interested, making learning languages exciting. An integrated, game-based reward system also keeps learners motivated and eager to learn.



# Art

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**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** LIFEPAC

## Overview:

- Concepts in Design
- Principles of Color
- Design Personality
- Perspective
- Figure Drawing
- Sculpture
- Comics
- Printmaking
- Calligraphy
- Art Appreciation

Give students a fun, diverse art elective! This basic art course is presented in a practical, hands-on format designed for beginners.

LIFEPAC Art gives students a comprehensive introduction to art, design, and composition.

A broad scope of fundamental art topics is studied including principles of color, styles of art, idea generation, and perspective.

Students also learn different art styles and how to apply personality into artwork. Best of all, previous art experience is not required! Hands-on activities include drawing, printmaking, cartoons, calligraphy, and sculpture. A section on art appreciation that covers the purpose of art, movements and styles, and basic art forms is also included. This course contains quizzes and tests to evaluate progress and student mastery. Projects included.

**Additional Details:** This course requires art supplies. It is suggested that parents review each LIFEPAC prior to student use and record a list of needed supplies. Most supplies should be readily available at craft stores or art supply stores. (Please note that there are often several projects suggested, allowing you to choose projects that are which have the most affordable supplies.)



# A/V Technology and Film Careers

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** Ignitia

## Overview:

- The History and Practices of A/V Technology and Film
- Equipment and Tools in A/V Technology and Film
- Pre-Production Planning and A/V and Film Technical Support
- Applying Equipment and Technology in the Production Stage
- The Post-Production Phase of A/V Technology and Film
- Course Project, Review, and Exam

A/V Technology and Film Careers is an elective that gives students in grades 9-12 an overview of the film industry. Throughout the semester, students explore the history of film, discover technology and techniques used in production, and examine the steps involved in pre and post-production.

The elective also introduces students to a variety of careers available within the film industry.

Before the semester ends, students experience what it's like to produce their own (simple) independent film. Access to a video camera is not required; however, access to free video editing software is beneficial.





# Business Computer Information Systems

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**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEAC

## Overview:

- Communication Skills
- Business Technology
- Word Processing
- Spreadsheets
- Databases
- Telecommunications Technology
- Desktop Publishing Technology
- Presentation Technology
- Computer Networks
- Computer Operating Systems

Business Computer Information Systems prepares students for a job in the modern business world. Students learn about technologies that are used in business and how to effectively and appropriately communicate with their co-workers. Topics include electronic communication skills, workplace skills, listening and constructive feedback, hardware vs. software, and business technology and technical terms.

Lessons continue developing students' understanding of computer systems with lessons on word processing, keyboarding, and projects on business document creation such as resumes, business letters, newsletters, and research reports. Basic spreadsheet skills, data entry and formulas, and general database usage and queries are also covered. This course contains quizzes and tests to evaluate progress and student mastery. Projects are included.

**Additional Details:** Keyboarding is a recommended prerequisite. For LIFEAC, a multimedia CD is included to explore the use of technology applications within the course. (Neither course nor CD include software applications.) Software is required to complete projects within the course.



## Digital Arts

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Available in:** IGN

### Overview:

- Digital Photography
- Digital Image Editing
- 2D & 3D Animation
- Digital Video
- Introduction to Web Design
- And More

Digital Arts is a semester-long elective that provides computer science students with an introduction to visualization-graphics programming on computers. To equip students for today's digitally driven lifestyle, this course focuses on using a digital camera and the practical application of digital imaging and editing programs. Additionally, students work with audio-editing programs and also examine 3D technology and cinematography.

Throughout the course, students may be asked to answer questions or reflect on what they've read in their notes. The notes are not graded. Rather, they are a way for students to extend their thinking about the lesson content. Students may keep handwritten or typed notes. In addition to the default course program, Digital Arts includes 50 suggested resources that can be used to enhance instruction or address individual needs.



# Family and Consumer Science

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN and LIFEAC

## Overview:

- Christian Character and Appearance
- What's Cookin'
- Let's Eat
- The Clothes You Wear
- The Clothes You Sew
- Interior Decorating
- Your Home and You
- Financial Freedom
- Child Development and Care
- Relationships
- Concepts in Design

Preparing students for life, family and consumer science is the perfect supplement to any course of study. This fun, practical course teaches everything from Christian character to personal appearance. Lessons cover homemaking skills along with a focus on the importance of living a Christian life in the home. Topics in the first semester include nutrition and exercise, kitchen tools and safety, food categories and cooking, clothes and textiles, and sewing and pattern-making.

In the second semester, this course continues with lessons on interior design and room decoration, hospitality and entertaining guests, home repair, job searching, personal finance, child care and development, and building relationships. Character quality development and biblical applications to daily situations are also discussed. This course contains quizzes and tests to evaluate progress and student mastery. Projects are included.

**Additional Details:** In family and consumer science, hands-on projects require student responsibility for completion. Cooking assignments should be completed as directed and under adult supervision. Some sewing projects require use of a sewing machine. Most assignments and instructions are appropriate for both genders.



# Fundamentals of Programming and Software Development

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Software Development Trends
- Java Programming Skills
- Software Development Procedures & Techniques
- Career Opportunities

Introduce high school students to trends in software development with this hands-on programming course for Ignitia online curriculum. Programming students practice basic software development procedures and techniques through the writing of original Java programs. As they move through the course, students also study a variety of career opportunities available within the field of programming.

In addition, Fundamentals of Programming and Software Development fulfills the fine/practical arts graduation requirement at Alpha Omega Academy. Students who enroll in the course must download and install free software necessary for completing course projects. Download and installation instructions are provided in the course.



# Introduction to Information Technology Support and Services

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Career Preparation
- IT Industry Best Practices
- Leadership Skills
- Project Management
- Website Creation

Gain valuable information technology skills to be applied in the real world with this introductory course available in Ignitia. This elective prepares high school students to enter the IT industry by exploring best practices and helpful tools for technicians, project managers, and IT leaders. As students create websites and complete other practical projects throughout the semester, they learn what it's like to be employed by a technology company.

Introduction to Information Technology Support and Services is available to students in grades 9-12 and fulfills Alpha Omega Academy's fine/practical arts graduation requirement.



# Music Appreciation

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Discovering Music
- Music Fundamentals
- Beginnings of Music
- Developing Music
- Modern Music

Explore the value of music with music appreciation! This fun online academy elective for grades 9-12 fosters a deep appreciation and understanding for the purpose and development of music over the centuries. Examining music's role within society and culture, this course begins with a look at human interaction with music. Additional topics include music fundamentals, instrument types, and musical group categories.

The beginnings of music and musical periods are also reviewed. Continuing lessons in this course from our online academy, students cover musical forms and genres, classical composers, modernism and musical influence, and musical trends of the 20th century. An enriching fine art elective, this course is a helpful supplemental study for budding musicians and artists alike. This course contains quizzes and tests to evaluate progress and student mastery. Projects are included.



# Music Theory

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Rhythm and Meter
- Notation and Pitch
- Scales and Key Signatures
- Harmony
- Making Music
- Course Review

Hit the right note with your students! Music theory is a one semester course which introduces students to the foundations of music. Great for beginners, this elective covers concepts from counting and reading music to creating compositions. Ear training exercises are included to help students practice understanding and comprehension.

Topics covered include rhythm, time signatures, intervals, pitches, major and minor keys, transposition, and harmony. The online music writing application Noteflight® is used to write original compositions and is included within the course. Activities include creating a rhythmic piece, composing a melody, transposing melodies, and more. This course contains quizzes and tests to evaluate progress and student mastery. Projects are included.

**Additional Details:** This course requires access to a scanner.



# New Applications: Web Development in the 21st Century

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Website Development
- HTML Coding
- Embedding Media
- 3rd Party Integration

Gain hands-on experience in website design with this semester-long web development elective for Ignitia. Throughout the course, students study the art of building websites, blogs, and mobile apps. Valuable design skills, including html coding, embedding media, and integration with 3rd party websites, are put into practice throughout the semester.

This half-credit course is recommended for high school students interested in pursuing a career in computer science, web development, marketing, advertising, or media production. The online course also fulfills the fine/practical arts graduation requirement at Alpha Omega Academy.





# Office Applications I (2010 or 2013)

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Microsoft® Word® Beginning Skills
- Microsoft® Word® Intermediate Skills
- Microsoft® Word® Advanced Skills
- Microsoft® Publisher® Application
- Microsoft® PowerPoint® Application
- Course Review and Final Exam

Prepare students for the real world after graduation with Office Applications I: Microsoft® Word®, PowerPoint®, and Publisher®. This online elective for students in grades 9-12 dives into the basics of office software applications, including using applications to design, develop, create, and share business documents.

Great for building practical skill sets, this five-unit course introduces students to general computer usage needs that employers look for and colleges recommend. Lesson topics include mail merge, tab stops, reference features, modification of documents, and collaboration of presentations. Course units contain quizzes and tests to evaluate progress and student mastery.

**Note:** Students enrolled in this course are required to have either the 2010 or 2013 version of Microsoft® Office® software for completing course projects.



# Office Applications II (2010 or 2013)

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Microsoft® Excel® Spreadsheet Basics
- Creating Microsoft® Excel® Spreadsheets
- Microsoft® Excel® Graphical Representations
- Microsoft® Access® Database Basics
- Microsoft® Access® Forms, Queries, and Reports
- Course Review and Final Exam

Give students the skills needed to become accountants, vice presidents, and business owners with Office Applications II: Microsoft® Excel® and Access®. This practical elective for students in grades 9-12 teaches high school students how to design, develop, create, edit, and share business spreadsheets and database documents.

Perfect for soon-to-be graduates, this online course teaches marketable skills to enhance resumes for employment and college. Lesson topics include data entry, formatting, formulas, functions, charts, and more. Course units contain quizzes and tests to evaluate progress and student mastery.

**Note:** Students enrolled in this course are required to have either the 2010 or 2013 version of Microsoft® Office® software for completing course projects.



# Software Development Tools

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Introductions to Software Development Tools
- Software Development
- Debugging
- Software Configuration Management
- Object Modeling UML and Software Testing
- Course Project, Review, and Exam

Help your student apply practical tools to software development with this six-unit career course for grades 9-12. Throughout the semester, students learn how applications are created in commonly used software development tools, discover how web applications communicate with web browsers to prevent errors, and learn various testing strategies to improve the quality of application software.

Students also put their newfound knowledge into practice by designing a software application that showcases creative design choices, effective information management and organization, and knowledge of hardware and software architecture. Additional lesson content in this course includes software development environments, prototyping techniques, language specific tools, and quality assurance of software products.



# Technology & Business

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**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Business Technology
- Computer Operating Systems
- Word Processing
- Spreadsheets
- Databases
- Communications Skills
- Telecommunications Technology
- Presentation Technology
- Computer Networks
- Project Management

In Technology & Business for grades 9-12, students examine the fundamentals of business technology applications. This elective covers must-know skills such as appropriate technology use, operating systems, business documents, keyboarding, word processing, data management, and effective communication methods in the workplace.

Preparing students for college and working in the modern world, this online academy course includes topics like email guidelines, telecommunications, presentations, information management, and project management tools. Course units contain quizzes and tests to evaluate progress and student mastery.



# Accounting

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** LIFE PAC

## Overview:

- Accounting Overview
- Starting an Accounting System
- Analyzing and Journalizing Transactions
- Posting to the General Ledger
- Preparing the Worksheet
- Financial Statements for a Proprietorship
- Adjusting and Closing Entries
- Payroll Records
- Payroll Accounting, Taxes, and Reports
- Business Simulation

Helping teach money management skills, accounting is a comprehensive, two-semester elective that gives students a general overview of accounting fundamentals. Topics in the first semester include accounting terms and the nature of bookkeeping, the accounting equation, debits and credits, journalizing and posting transactions, and preparing worksheets and trail balances.

In the second semester, lessons continue with topics on proprietorship statements, owner's equity and balance sheets, adjusting and closing entries, payroll records and deductions, and employer taxes and reports. This course concludes with a section on applying skills to a business simulations situation. This course contains quizzes and tests to evaluate progress and student mastery.

**Additional Details:** Optional exercises are included for extra credit at the end of several units. These optional sections do not need to be submitted unless a student wants to receive extra credit toward his or her test score.



# Business Law

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Role of Law and Its Impact on Business
- Legal Considerations in Business Law
- Regulating a Business
- Global Commerce
- Protections and Resolutions
- Course Project, Review, and Exam

A career course for students in grades 9-12, Business Law provides students with an understanding of the vital legal concepts that affect commerce and trade. After learning how laws are created and interpreted, students spend time exploring both the different types of businesses that can be created to engage in commerce and the contractual and liability considerations that can impact businesses.

Throughout the semester-long course, students also study laws that affect how businesses are regulated and, in particular, what impact administrative rules and regulations have on businesses. Like all Ignitia courses, Business Law is taught from a Christian worldview that is supported by Scripture.



# Essentials of Business

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Business Career Choices
- Marketing and Advertising
- Business Management
- Group Dynamics and Business Ethics
- Business Communication and Technology

Introduce high school students to the business world with Essentials of Business, a one-semester elective for grades 9-12. Topics of study include functions of a company and effective management practices. Assignments emphasize student inquiry, research, writing, and applying business practices from a Christian perspective. External web resources enrich the learning process while encouraging the development of media skills.

Practical for soon-to-be graduates, this online course helps students apply business concepts to daily life and examine corporate citizenship. This online academy elective includes step-by-step explanations, helpful illustrations, and fun projects to promote comprehension. Additional topics include career choices, economics, business structures, team building, and business technology. Course units contain quizzes and tests to evaluate progress and student mastery.



# Fundamentals of Digital Media

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Media Production
- Website Design
- Social Media
- Game Design
- Media Effectiveness

Explore the various forms of digital media present in our world with Fundamentals of Digital Media for Ignitia. In this practical, online elective, students examine the ways digital media are employed within business settings. Topics of study throughout the course include media production, website design, social media, game design, and media effectiveness.

This semester-long, high school elective is ideal for students interested in entering the business world after graduation. The course is highly recommended for distance learners considering a career in marketing, small business, social media, web design, or advertising.





# Small Business Entrepreneurship

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Overview of Small Business Entrepreneurship
- Economics
- Financing
- Marketing
- Management and Business Plans

Inspire students to start their own businesses with Small Business Entrepreneurship! This one-semester elective for grades 9-12 is perfect for teens filled with ideas for innovation. Giving a bird's eye view of the moving parts of a business, this helpful five-unit course outlines business development, organization, and management.

Empowering the business leaders of tomorrow, this online academy course covers traits needed to be an entrepreneur, legal regulations, financing considerations, recordkeeping, marketing, and creating a business plan. Course units contain quizzes and tests to evaluate progress and student mastery.



# ACT Test Prep

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**Course Length:** 0.5 Semester

**Credits:** 0.25 Credits

**Prerequisites:** None

**Available in:** IGN

Prepare students in grades 9-12 for the ACT with content-specific instruction in English, math, reading, science, and writing. Plus, learn helpful test-taking strategies. Each individual unit focuses on a specific subject and ends with a practice test to evaluate progress. The course culminates with four full-length ACT practice tests.

Because of its unique length, ACT Test Prep is offered at a special discounted rate.

## Overview:

- Test Preparation
- English
- Math
- Reading
- Science
- Writing



# Banking Services Careers

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Description of the Banking Industry
- Bank Performance
- Bank Products
- Customer Relationships
- Banking and Consumers
- Course Project, Review, and Exam

This semester-long elective goes beyond a survey of careers within the banking industry to explore the services banks offer and how they operate. Throughout the course, students in grades 9-12 gain the skills and confidence required to land their dream job within the market.

Topics of study during the semester include different types of financial reports and how they are used, different types of banks and how they are structured, the lending process, bank products, customer relationships, financial planning services, and banking careers.



# Career Management

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- What Is Work?
- Self-Assessment
- Career Research
- Planning for Your Career
- Preparing for Your Career
- Course Review and Exam

As a Christian, it is important to do your best in whatever career path you choose. Help your student prepare to select a career and enter the workforce with Ignitia's Career Management course.

Designed for students in grades 9-12, Career Management helps AOA students improve important career skills that apply to a variety of occupations. Specific skills that are refined during the semester-long course include communication, leadership, decision making, problem solving, goal setting, and time management skills. Like all Ignitia courses, Career Management is taught from a Christian worldview that is supported by Scripture.



# Careers in Allied Health

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

Explore the professional opportunities available within the field of health care! Careers in Allied Health for Ignitia online curriculum provides students with an overview of occupations in several different branches of the health care system.

The semester-long high school elective is ideal for those interested in learning more about nursing, physical therapy, dietetics, and other careers in health care.

## Overview:

- Introduction to Allied Health Careers
- Art and Technology
- Exercise Science and Patient Evaluation
- Health Informatics and Health Administration
- Counseling, Dietetics, and Choosing a Career in Allied Health
- Exam



# Careers in Logistics Planning and Management Services

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Providing and Managing Logistics Services for the Company and the Customer
- Logistics and Supply Chain Management
- Inventory and Inventory Management
- Transportation Management
- Logistics Safety and Opportunity
- Course Project, Review, and Exam

Careers in Logistics Planning and Management Services shows students the world of logistics and how it allows organizations to operate efficiently.

This semester-long course shows students the detailed world of logistics and how it allows organizations to operate efficiently. The course explores the topics of inventory management, transportation, suppliers, warehousing, distribution centers, and procurement.

Designed for students in grades 9–12, the course is appropriate for students who are interested in the transportation industry, working for an organization that handles inventory, or starting their own business.



# Careers in Manufacturing Processes

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Introduction to Manufacturing and Corporate Culture
- Product Development Phase
- Production I
- Production II
- Customer Service: Before Delivery to After Delivery
- Course Project, Review, and Exam

Careers in Manufacturing Processes is a career course about manufacturing, product development, and the process of bringing a product to market.

Careers in Manufacturing Processes is a semester-long elective for students in grades 9–12 who are interested in manufacturing, product development, or the process of bringing a product to market.

The course leads students through the process of production, from planning and testing to distribution. It also discusses topics such as product quality, assembly methodologies, raw materials, workplace safety, and testing prototypes.



# Careers in Marketing Research

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- The World of Marketing Research
- The Marketing Research Industry and Ethics
- Types of Marketing Research
- Market Research Basics
- Putting It All Together
- Course Project, Review, and Exam

Careers in Marketing Research shows students in grades 9-12 what marketing research is and how it is used to make business decisions.

Careers in Marketing Research shows students in grades 9-12 what marketing research is and how it is used to make business decisions. The class is ideal for students interested in establishing a career in marketing or advertising after graduation.

Throughout the semester, students study methods of collecting and processing data for marketing research using tools such as surveys. They also spend time exploring ethical practices in marketing research and presenting the results they obtain from their work.





# College Planner

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- My Educational Future
- Choosing a College
- Entrance Exams and Applications
- Paying for College
- Non-college Options

College planner is designed to help students prepare for all aspects of college and career choice. This one-semester course guides students in evaluating their educational future, selecting a college based on goals, applying to colleges, college entrance exams, and admission essays.

Lessons continue with an examination of college affordability, including topics such as financial aid, the true cost of college, scholarships, and grants and loans. A section for non-college options such as apprenticeships, internships, and military is also included. Additional activities include preparing for interviews and seeking God's will for the future. This course contains quizzes and tests to evaluate progress and student mastery. Projects are included.

**Additional Details:** College planner is recommended to be taken in the sophomore or junior year of high school.



# Construction Careers

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Introduction to Careers in Construction Technology
- Building Life-Cycle Assessment and Regulation
- Building Materials and Methods of Construction 1
- Building Materials and Methods of Construction 2
- Green Technology, Sustainability, and Preservation
- Course Review and Final Exam

Explore careers in construction with this semester-long elective for students in grades 9-12. While studying the fundamentals of building technology, students examine the design and construction of structures that are intelligent, efficient, and provide comfort to the user while causing limited impact to the environment.

Throughout the semester, the course examines both traditional and contemporary construction materials and methods, while prompting students to use critical reasoning skills as they select appropriate materials and methods of manufacture, assembly, and demolition.



# Driver's Education

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**Course Length:** 1 Semester

**Credits:** 0.25 Credits

**Prerequisites:** None

## Overview:

Varies by State (Visit [driversed.com](http://driversed.com) for information.)

The cost of the course at DriversEd.com varies by state. An outside elective fee must be paid to the academy. Use the code AlphaOmega when enrolling at DriversEd.com to earn 20% off the cost of the course. You must send in certificate of completion to get credit.

Currently, the states that recognize the DriversEd.com course in some capacity (satisfies driver's ed requirement, for example) are California, Colorado, Florida, Georgia, Minnesota, Nevada, Oklahoma, Pennsylvania, Texas, and Virginia. There are ongoing discussions between DriversEd.com and several other states, so this list may change at any time.



# Engineering and Design

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Introduction to Engineering and Design and the Design Process
- Fluid Systems: Energy and Power Technologies in Engineering
- Modeling and Sketching
- Reverse Engineering
- Engineering to Improve Sustainability
- Course Project, Review, and Exam

Introduce your student to the engineering and design process from a Christian perspective with this semester-long career course. Students in grades 9-12 build real-world problem solving and critical thinking skills as they learn how to innovate and design new products. They also practice refining existing products by reversing the engineering process.

Like all Ignitia courses, Engineering and Design is taught from a Christian worldview. Coursework also includes lessons on fluid systems and improving sustainability.



# Engineering and Innovation

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Introduction to Engineering and Innovation
- Patents and Regulations
- Ethical and Professional Practices
- Analytical Modeling and Outcomes Assessment
- Biomedicine and Emerging Innovations
- Course Project, Review, and Exam

Equip your student with the skills and tools he needs to succeed within the field of engineering. This semester-long career course for grades 9-12 provides an introduction to the concepts of invention and innovation, details about the scope and nature of engineering, and biblical principles that serve as the foundation for engineering and work in general.

Including lessons on patents and regulations, ethical and professional practices, analytical modeling, and biomedicine, Engineering and Innovation incorporates a Christian worldview that is supported throughout the course by scripture.



# Engineering and Product Development

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Introduction to Engineering and Product Development
- Project Charter and Requirements (PDLC Phases)
- Design and 3-D Modeling
- Product Launch (Implementation)
- Review Full Product Development Life Cycle
- Course Project, Review, and Exam

Designed for Christian students who are interested in Science, Technology, Engineering, and Mathematics (STEM) careers, Engineering and Product Development builds an understanding of the product life cycle. From the initial idea to drafting requirements to using 3-D modeling and other design tools, students in grades 9-12 spend the semester-long course analyzing the life cycle of a product to prepare it for distribution to target markets.

Like all Ignitia courses, Engineering and Product Development is taught from a Christian worldview, while maintaining the engineering and scientific core of the course.



# Essentials of Communication

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN and LIFEPAC

## Overview:

- Communication Foundations
- Language Characteristics
- Interpersonal Relationships
- Understanding Groups
- Presenting and Interpreting Public Messages
- Course Review

Essentials of communication shows students how to successfully interact with others in personal, professional, and public settings. Topics in this one semester elective include communication foundations, perception influences, characteristics of language such as verbal and non-verbal communication, listening barriers, and interpersonal relationships.

Perfect for filling graduation requirements, this course continues with valuable lessons on communication etiquette, job interview preparation, group dynamics, leadership styles, and public speaking. Practical application exercises allow students to practice skills such as writing a speech and presenting it, conducting interviews, or attending local community meetings. This course contains quizzes and tests to evaluate progress and student mastery.

**Additional Details:** For LIFEPAC students, this course has some differences from other LIFEPAC courses. At the end of each LIFEPAC, two biblical connection projects are included. These projects are a required part of this course and must be completed and checked by the parent, and verification forms must be returned for each quarter with student and parent signatures.



# Fundamentals of Computer Systems

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Operating Systems
- Configuring Computer Settings
- Installing Programs
- Computer Security
- Troubleshooting Errors

Whether students long for a career in technology or just want to learn more about computers, Fundamentals of Computer Systems is the perfect fit. During the one semester online course, students practice configuring computer settings, installing programs, and troubleshooting errors while studying operating systems and computer security.

Ideal for college and career preparation, Fundamentals of Computer Systems is particularly beneficial for high school students who desire a career in information technology or software development. Unlike many other Ignitia computer courses, Fundamentals of Computer Systems does not meet Alpha Omega Academy's practical arts requirement.





# High School Health

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN and LIFE PAC

## Overview:

- Body Essentials
- Physical Health
- Social and Mental Health
- Preventative Health Care and First Aid
- Responsible Living

Give students a guide for healthy living and wellness with this Bible-based high school elective, which presents health from a Christian perspective. Viewing mankind as the crown of God's creation, this course reviews human anatomy and physiology including body systems. This course outlines the development of the human body from conception to adulthood.

Topics include physical health and nutrition, exercise programs, mental and social health, and personal hygiene. Additional lessons explain home safety and basic first aid skills. This course concludes with an emphasis on responsible Christian living and outlines avoiding diseases and substance abuse, caring for the ill, and relationships between health and the environment. This course contains quizzes and tests to evaluate progress and student mastery. Projects are included.

**Additional Details:** For LIFE PAC students, this course has some differences from other LIFE PAC courses. At the end of each LIFE PAC, two biblical connection projects are included. These projects are a required part of this course and must be completed and checked by the parent, and verification forms must be returned for each quarter with student and parent signatures.



# Introduction to Careers in Architecture and Construction

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Introduction to Careers in Architecture and Construction
- Building the Future: The Art and Science of Buildings
- Green Jobs in Architecture and Construction
- The Arts and the Built Environment: Jobs for Creatives
- Building the City
- Course Review and Exam

Learn about the planning that goes into construction projects before they begin! In Introduction to Careers in Architecture and Construction, students in grades 9-12 learn about residential and commercial construction, green developments, zoning, urban sprawl, construction site safety, and visualization and design of construction projects.

By the end of the semester-long course, students gain an understanding of the responsibilities in the industry, as well as the unique factors that impact each individual construction project.



# Introduction to Careers in Arts, A/V Technology, and Communication

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Audio/Video Technology and Film
- Performing Arts
- Visual Arts
- Printing Technology, Journalism, and Broadcasting
- Telecommunications Systems
- Review and Exam

Introduction to Careers in Arts, A/V Technology, and Communication provides students with an overview of the industry and examines the level of education and skills required to compete within today's most popular communications fields.

Throughout the semester, students in grades 9-12 take a look at careers including acting, technical production, art, journalism, and telecommunications systems. By conducting research about the jobs and current professionals within the industry, students plan out a potential pathway toward their dream job.



# Introduction to Careers in Education and Training

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Education and Training: Historical Perspectives, Introduction, and Critical Skills
- Learning Styles and Collaborative Learning
- Educational Policy and Human Resource Development
- Ethical and Legal Policies of Careers in Education and Training
- Health and Safety in Education and Training
- Course Project, Review, and Exam

During this semester-long career course, students in grades 9-12 receive an overview of professional opportunities available within the fields of education and training. Students spend their time exploring career opportunities that range from early childhood care to higher education and gain an understanding of the laws and guidelines that govern them.

Throughout the semester, students also examine skills and policies that impact careers in education, including health and safety standards, ethical and legal policies, collaborative learning skills, and techniques for overcoming communication barriers.



# Introduction to Careers in Finance

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Finance Overview and Financial Services
- Securities Analysis and Investments
- Principles of Corporate Finance
- Banking Services
- Risk Management and Insurance
- Course Project, Review, and Exam

During this semester-long course, students in grades 9-12 receive an overview of the finance industry and the services that different sectors provide. Specific topics of exploration include investments, equity, risk and return, corporate finance, financial statements, capital budgeting, banking, risk management, and insurance.

As the course explores these topics, students receive an inside look at the different careers in finance that serve those sectors and gain the skills and confidence required to land their dream job within the market.



# Introduction to Careers in Government and Public Administration

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Administrative and Political Systems in the United States
- Overlapping Powers of Governments
- Politics, Elections, and Democratic Participation
- Governmental Institutions: Executive, Legislative, and Judicial
- Public Policy and Program Implementation
- Course Project, Review, and Exam

Throughout this semester-long course, students in grades 9-12 study careers in politics and discover how they work together to make our government run. By examining the history and structure of the U.S. government and studying the relationship between local, state, and federal government, students learn about the electoral process, voting, political parties, and the process of making policies.

Students who complete this career course gain a fundamental understanding of U.S. government and public administration.

**Note:** This course meets Alpha Omega Academy's graduation requirement in the subject of government. However, we recommend that students who choose to take this elective also enroll in Government and Economics.



# Introduction to Careers in Manufacturing

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Scope and Economic Effect of Manufacturing in the USA and Beyond
- Process Improvement in Manufacturing
- Careers in Manufacturing
- Advanced Manufacturing Processes
- Safety and Regulations in Manufacturing
- Course Project, Review, and Exam

Throughout this semester-long course, students in grades 9-12 study the fundamental principles that guide manufacturing in the United States. The course starts by exploring the economic effect of manufacturing in the U.S. and abroad. It then moves on to cover topics including process improvements, safety and regulations, career options, and advanced manufacturing.

Introduction to Careers in Manufacturing teaches students employable skills that have real-world relevance. The rigorous, hands-on course content preps students for both career and college readiness.



# Introduction to Careers in Marketing

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Overview of Marketing
- Marketing Strategic Planning
- The Marketing Environment and Consumer Behavior
- The Marketing Mix
- Marketing Today
- Course Project, Review, and Exam

Discover the trends, opportunities, and challenges of marketing in today's world with Introduction to Careers in Marketing. This semester-long elective for students in grades 9-12 guides learners through the various careers available in marketing and examines the type of work today's marketers tackle.

Topics of study throughout the semester include the marketing process, ethics in marketing, defining a business mission, conducting situational analysis, evaluating performance, consumer behavior, the marketing mix, and technology used within the industry.





# Introduction to Careers in Transportation, Distribution, and Logistics

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Transportation Overview
- Distribution and Warehousing
- Transportation Systems, Infrastructure Planning, Management & Regulation
- Logistics & Logistics Services
- Future Trends in Transportation, Distribution, & Logistics
- Course Project, Review & Exam

Explore the nature and scope of transportation, distribution, and logistics with this semester-long career course for students in grades 9-12. Introduction to Careers in Transportation, Distribution, and Logistics takes a look at the different careers available in the transportation industry, as well as the planning that goes into making distribution systems run efficiently.

Topics of study throughout the semester include mass transportation, distribution, warehousing, automation in distribution, transportation systems, transportation regulations, and inventory management.



# Introduction to Consumer Services

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Introduction to Consumer Services
- Customer Service and Consumer Advocacy
- Counseling, Advisement, and Education
- Creativity
- Management, Sales, and Public Relations
- Review and Exam

Introduction to Consumer Services is a perfect course for students who wish to land a career that involves helping others. Throughout the semester, students in grades 9-12 discuss topics including record keeping, consumer advocacy, counseling, sales, translating, design, writing, and public relations.

This career course is recommended for students who plan to start a service-based business or study economics after high school. Recurring themes throughout the course include social issues, advocacy, ethics, and legalities.



# Introduction to Information Technology

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Communications Technology
- Information Systems
- Project Management
- Mobile Applications
- Internet Utilization

Introduction to Information Technology helps high school online learners build a foundation for a career in information technology or software development. Students become familiar with the world of corporate information technology as they explore what it's like to work as an IT professional.

Throughout the semester-long elective, students study communications technology, information systems, project management, mobile applications, and Internet utilization. Please note that this course does not meet Alpha Omega Academy's practical arts requirement.



# Introduction to Network Systems

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Information Technology
- Network Layers & Construction
- Network System Operation
- Network Security
- Local Area Networks
- Wide Area Networks

Lay the foundation for a career in computer science or information technology by exploring how network systems operate. Ignitia's Introduction to Network Systems helps online learners in grades 9-12 gain a basic understanding of the protocols and hardware used to build computer networks. Through the examination of network layers, students discover how the layers work together to help small or midsize networks function.

In addition, students study topics including Local Area Networks, Wide Area Networks, and network security throughout the semester. Worth 0.5 credits, this high school elective is ideal for students who plan to pursue work in the IT industry after graduation



# National Security Careers

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Introduction to Legal, Political, and Historical Aspects of National Security
- The National Security Bureaucracy
- The Armed Forces
- Intelligence and Law Enforcement Agencies
- National Security Challenges in the 21st Century
- Review and Exam

National Security Careers helps students in grades 9-12 who are interested in protecting and serving our country explore a variety of career options. Throughout the semester, students study careers in the military, coast guard, FBI, CIA, politics, photography, science, and more.

In addition to careers, the course examines how national security has changed throughout the course of history and the pros and cons of what it looks like today. The semester ends with a discussion of current threats to national security.



# Network System Design

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Introduction to Network Design
- Networking Models and Local Area Networks
- Internet Protocol (IP): Addressing and Routing
- Wide Area Networks and Network Security
- Network Management and Network Operating Systems
- Course Review and Exam

Introduce your student to the basics of network design with Network System Design. In this six-unit course for grades 9-12, students learn network terminology and fundamentals, as well as how to identify the needs and goals of both customers and businesses. Students also learn to differentiate between various network classifications, such as LAN and WAN, and practice the high-level design principles of network architecture.

Throughout the semester, students engage in discussions about network management, security strategies, data protection, and switching routing protocols. Additional topics of study include assigning addresses to network components, subnets, routers, servers, and end-user computing systems.



# Nursing: Unlimited Possibilities and Unlimited Potential

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- The Nursing Profession
- Primary Nursing Positions
- Nursing Specialties
- More Nursing Specialties
- Nursing Career Alternatives
- Course Project, Review, and Exam

Open the door to a nursing career with this engaging, semester-long career course. This elective provides students in grades 9-12 with opportunities to compare and contrast the various academic and clinical training pathways that lead to an entry-level position in nursing.

Throughout the semester, students study the expanding scope of professional practice for registered nurses and explore the growing number of opportunities for professional advancement within the field. Students also gain an understanding of the important changes proposed in the education and ongoing professional development of nurses.



# Personal Financial Literacy

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Financial Responsibility and Decision Making
- Careers and Income
- Money Management
- Saving and Investing
- Credit, Debt, and Consumer Skills

Teach financial responsibility! With Personal Financial Literacy, students in grades 9-12 receive an overview of solid money management skills for life. Practical and invaluable for soon-to-be graduates, this online academy course covers topics such as evaluating personal finances, making wise money decisions based on goals, exploring careers and income, and reviewing tax forms.

Additional lessons cover essential skills such as planning a budget, choosing a checking account, evaluating financial institutions, managing risks, and saving and investing. Giving students an overarching view of financial planning for a strong future, this course from our online academy includes math-themed projects such as choosing a savings method and managing a checkbook. Each unit of the course contains quizzes and a test to evaluate progress and student mastery.





# Physical Education

**Course Length:** 2 Semesters

**Credits:** 1 Credit

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Basic Rules and Principles of Sports
- Fundamental Sport Skills
- History of Sports
- Cardiovascular Fitness
- Week 1 Log
- Week 2 Log
- Week 3 Log
- Week 4 Log
- Week 5 Log
- Week 6 Log

Learn the basic rules, fundamental skills, and history of several sports in Physical Education. Throughout the year, students in grades 9-12 study the basics of football, basketball, baseball, volleyball, gymnastics, and more. Though the course is designed for beginners, it also serves as a good refresher for students with more advanced skills.

Access to a gym or track is ideal, as coursework also includes mile-long walks and runs, workouts with balls and other exercise equipment, and a series of 10 activities or drills to be completed by the student. Second semester coursework requires students to keep six three-week exercise logs as they complete their coursework.

**Additional Details:** AOA can work to accommodate students who can't find access to specified equipment and facilities.



# Physical Fitness

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- An Overview of Fitness
- Flexibility Training
- Cardiovascular Fitness
- Resistance Training
- Motivation and Mindset
- Course Exam
- Log 7
- Log 8
- Log 9
- Log 10
- Log 11
- Log 12

In physical fitness, students learn about the components and importance of an active lifestyle. Students learn about the benefits of physical activity and good nutrition, mental and emotional benefits of exercise, correct motion and breathing, and the value of warming up and cooling down. Flexibility, levels of cardiovascular fitness, and strength training and conditioning are also discussed.

Lessons help explain calorie burning, resistance training, isolating exercises to focus on certain body locations, and ways to stay motivated. Developing a correct mindset and realistic goals is also covered. Some course work must be done outside of the online classroom, and students have the opportunity to try different exercises and keep a log of activities.

**Additional Details:** This course requires a fitness log of physical activity.



# Psychology

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**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Introduction and Methods
- Biopsychosocial Psychology
- Developmental Psychology
- Cognitive Psychology
- Abnormal and Group Behavior
- Course Exam

Psychology is an introductory elective course for high school students at Alpha Omega Academy. Throughout this course, students examine influences on human actions and beliefs, factors influencing behavior and perception, and basic psychological theories. In addition, students develop and apply their understanding of psychology through lessons and projects that require interaction and observation of others.

Topics of study throughout this one semester course include psychological fields and careers, values and expectations, free will vs determinism, social influence and conformity, consciousness and sleep, mental disorders, and much more.



# Teaching and Training Careers

**Course Length:** 1 Semester

**Credits:** 0.5 Credits

**Prerequisites:** None

**Available in:** IGN

## Overview:

- Foundations of Pedagogy
- Planning and Preparing a Lesson
- Delivering and Assessing
- Managing the Learning Environment
- Data and Use in School Relations
- Course Project, Review, and Exam

Take an introductory look at the fundamental foundations of teaching and training with this semester-long career course for students in grades 9-12. Throughout the semester, students examine effective strategies for conveying new information and knowledge to students and employees.

By exploring pedagogy, curriculum, standards and practices, and the psychological factors proven by research to affect learners, students get a glimpse of the art and science of teaching. Through engaging, hands-on lessons and projects, students also gain practical experience that prepares them for teaching and training careers.

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