



# Appalachia Christian Academy

Official Course Descriptions Catalog

## APPALACHIA CHRISTIAN ACADEMY CORE AND ELECTIVE SUBJECT CATALOG

### *Core Subject Catalog*

#### **Core Subjects (All BJU Press Curriculum)**

Because these core courses are completed within the rigorous BJU Press Distance Learning framework, the academy utilizes a standardized online management platform to assign grades and ensure absolute academic integrity. All core credits meet the strict curriculum benchmarks and state standards required for Kentucky high school graduation.

### **Mathematics Department**

#### **Algebra I (1.0 Credit) [Required]**

*Curriculum:* BJU Press Algebra 1

*Description:* A foundational study of algebraic concepts including linear equations, inequalities, functions, systems of equations, exponents, polynomials, factoring, and quadratic functions. Students develop critical problem-solving and analytical reasoning skills.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Daily Work: 25%

## **Geometry (1.0 Credit) [Required]**

*Curriculum:* BJU Press Geometry

*Description:* A comprehensive study of Euclidean geometry. Topics include logical reasoning, formal proofs, congruent and similar polygons, circles, area, volume, and introductory trigonometry. Strong emphasis is placed on geometric structures and spatial reasoning.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Daily Work: 25%

## **Algebra II (1.0 Credit) [Required]**

*Curriculum:* BJU Press Algebra 2

*Description:* An advanced study of algebraic structures. Course expands on linear systems, quadratic equations, complex numbers, polynomial functions, radical expressions, exponential and logarithmic functions, rational functions, and conic sections.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Daily Work: 25%

## **Consumer Math (1.0 Credit)**

*Curriculum:* BJU Press Consumer Math

*Description:* A practical, real-world math application course covering personal finances, budgeting, taxes, banking, investments, insurance, housing costs, and smart consumer purchasing choices.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Daily Work: 25%

## **Pre-Calculus (1.0 Credit)**

*Curriculum:* BJU Press Pre-Calculus

*Description:* An advanced mathematical track preparing students for college-level calculus. Advanced topics include trigonometric identities, parametric equations, matrices,

analytic geometry, sequences, series, and an introduction to limits and derivatives.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Daily Work: 25%

## **Language Arts Department**

### **Writing & Grammar 9 / Fundamentals of Literature (1.0 Credit) [Required]**

*Curriculum:* BJU Press English 9

*Description:* A dual-focused study of communications. Grammar instruction targets paragraph development, essays, mechanics, and advanced syntax. Literature units analyze short stories, poetry, and drama through a thematic lens to teach critical reading.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Daily Work: 25%

### **Writing & Grammar 10 / Elements of Literature (1.0 Credit) [Required Option]**

*Curriculum:* BJU Press English 10

*Description:* Focuses on advanced compositions including research essays, persuasive arguments, and literary analysis. The literature portion examines core literary devices, genres, and imaginative writing structures.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Daily Work: 25%

### **Writing & Grammar 10 / World Literature (1.0 Credit) [Required Option]**

*Curriculum:* BJU Press English 10 + Additional Readings of World Literature

*Description:* Emphasizes critical thinking and composition alongside a global literary framework. Students analyze classical and modern texts from diverse international

cultures, focusing on worldviews, cultural contexts, and advanced literary analysis.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Daily Work: 25%

### **Writing & Grammar 11 / American Literature (1.0 Credit)** **[Required]**

*Curriculum:* BJU Press American Literature 11

*Description:* A chronological analysis of American literary movements from early colonial writings through Modernism. Evaluates the political, historical, and spiritual texts that shaped the nation alongside rigorous rhetorical writing instruction.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Daily Work: 25%

### **Writing & Grammar 12 / British Literature (1.0 Credit)**

*Curriculum:* BJU Press British Literature 12

*Description:* A survey of British literary history from the Old English period to the modern era. Focuses on major authors, epic poetry, Shakespearean drama, and worldview analysis, paired with a college-preparatory research paper module.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Daily Work: 25%

## **History / Integrated Social Studies Department**

### **Cultural Geography / Integrated Social Studies I (1.0 Credit)**

*Curriculum:* BJU Press Cultural Geography

*Description:* A comprehensive study of the earth's physical and cultural landscape. Students examine geographic regions, demographics, religious traditions, and political frameworks across the globe, integrating historical context with modern world affairs.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Daily Work: 25%

**World History / Integrated Social Studies II (1.0 Credit)**  
**[Required]**

*Curriculum:* BJU Press World History

*Description:* A survey of global history from creation and ancient civilizations through the modern era. Investigates the rise and fall of empires, major global conflicts, scientific revolutions, and the cultural shifts shaping Western and Eastern societies.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Daily Work: 25%

**American History / Integrated Social Studies III (1.0 Credit)**  
**[Required]**

*Curriculum:* BJU Press United States History

*Description:* A thorough exploration of American history from discovery and settlement to the 21st century. Analyzes the constitutional republic, civil rights movements, industrial growth, and foreign policy through a historical and social lens.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Daily Work: 25%

**American Government / Integrated Social Studies IV (0.5 Credit) [Required]**

*Curriculum:* BJU Press American Government

*Description:* A semester course analyzing the structures and functions of federal, state, and local governments in the United States. Examines the Constitution, the three branches of government, civil liberties, political parties, and the role of a citizen.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Daily Work: 25%

**Economics / Integrated Social Studies IV (0.5 Credit)**  
**[Required]**

*Curriculum:* BJU Press Economics

*Description:* A semester course introducing fundamental microeconomic and macroeconomic principles. Topics include supply and demand, market structures, financial systems, national economic indicators, global trade, and personal biblical financial stewardship.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Daily Work: 25%

## **Science Department** **(Minimum 2 Lab Courses Required)**

### **Physical Science with Lab (1.0 Credit)**

*Curriculum:* BJU Press Physical Science

*Description:* An introduction to the foundational principles of chemistry and physics. Topics include the structure of matter, chemical reactions, forces, motion, energy, waves, and electromagnetism. Includes structural laboratory exercises and data tracking.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Labs: 15%, Daily Work: 10%

### **Earth Science with Lab (1.0 Credit)**

*Curriculum:* BJU Press Earth Science

*Description:* A study of the earth and its place in the universe from a young-earth creationist perspective. Explores geology, oceanography, meteorology, and astronomy, highlighting structural planetary processes through regular laboratory investigations.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Labs: 15%, Daily Work: 10%

### **Biology with Lab (1.0 Credit) [Required / Meets KY Lab Standard]**

*Curriculum:* BJU Press Biology

*Description:* A rigorous laboratory science covering cellular biology, genetics, taxonomy, microbiology, botany, zoology, and human anatomy. The course incorporates hands-on microscopic labs, dissections, and formal scientific reporting.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Labs: 15%, Daily Work: 10%

### **Chemistry with Lab (1.0 Credit) [Required / Meets KY Lab Standard]**

*Curriculum:* BJU Press Chemistry

*Description:* A structural look at matter and chemical changes. Focuses on atomic structure, chemical bonding, stoichiometry, gas laws, solutions, and thermodynamics. Involves math-intensive equations and regular, written laboratory experiments.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Labs: 15%, Daily Work: 10%

### **Physics with Lab (1.0 Credit)**

*Curriculum:* BJU Press Physics

*Description:* A mathematically intensive, calculus-readiness study of mechanics, thermodynamics, wave theory, optics, electricity, magnetism, and modern nuclear physics. Heavy focus is placed on laboratory problem-solving and kinematic equations.

*Hub Weights:* Tests: 50%, Quizzes: 25%, Labs: 15%, Daily Work: 10%

## **Bible Department**

### **Bible 9: Truths for Life (1.0 Credit)**

*Curriculum:* BJU Press Bible 9

*Description:* Focuses on practical Christian living, discipleship, and basic biblical theology. Students study the Old and New Testaments to extract core tenets of identity in Christ, spiritual disciplines, personal ethics, and character building.

*Hub Weights:* Tests: 50%, Quizzes: 30%, Scripture Memory/  
Daily Work: 20%

### **Bible Doctrines (1.0 Credit)**

*Curriculum:* BJU Press Bible Doctrines

*Description:* A systematic study of the foundational doctrines of the Christian faith. Students explore bibliology, theology proper, anthropology, soteriology, ecclesiology, and eschatology, learning to align personal belief systems with historical biblical theology.

*Hub Weights:* Tests: 50%, Quizzes: 30%, Scripture Memory/  
Daily Work: 20%

### **Biblical Worldview & Apologetics (1.0 Credit)**

*Curriculum:* BJU Press Biblical Worldview: Creation, Fall, Redemption

*Description:* Instructs students on how a biblical model shapes an understanding of truth, ethics, culture, and science. Students compare competing modern worldviews and learn textual apologetics to defend historical Christian orthodoxy.

*Hub Weights:* Tests: 50%, Quizzes: 30%, Scripture Memory/  
Daily Work: 20%

### **Ethics: Biblical Ethics (1.0 Credit)**

*Curriculum:* BJU Press Ethics / Biblical Principles

*Description:* An advanced study of moral philosophy and contemporary ethical issues viewed through a scriptural lens. Students analyze complex decision-making models regarding

law, technology, bioethics, social justice, and personal stewardship.

*Hub Weights:* Tests: 50%, Quizzes: 30%, Scripture Memory/  
Daily Work: 20%

## *Elective Subject Catalog*

### **Required and Optional Electives Catalog (Non-BJU Press Curriculum)**

Because these elective courses are completed outside the BJU Press Distance Learning framework, Appalachia Christian Academy applies a uniform evaluation matrix. This criteria tracks consistent effort, daily engagement, and practical application to measure true student advancement and dedication.

## **Physical Education & Health**

### **Physical Education and Health (1.0 Credit) [Required]**

*Instructional Framework:* Academy-Guided Portfolio & Fitness Tracking

*Description:* A comprehensive course divided between physical conditioning and wellness education. The physical education component focuses on cardiovascular endurance, muscular strength, agility, and teamwork through structured personal fitness and sport participation. The health component covers nutritional science, mental wellness, first aid, systems of the human body, and the development of lifelong healthy habits from a biblical stewardship perspective.

*Elective Grading Track:* Evaluated via the Straight Point System (Points Earned ÷ Total Possible Points). Grades are

accumulated evenly across daily activity logs, physical fitness benchmarks, and wellness module assignments.

## **Fine Arts**

### **History and Appreciation of Visual and Performing Arts (1.0 Credit) [Required]**

*Instructional Framework:* Integrated Cultural Arts Studies

*Description:* An academic survey exploring the development of Western art and music from antiquity to the modern era. Students examine major artistic movements, historical composition styles, architectural breakthroughs, and the works of monumental artists and composers. The course analyzes how cultural shifts, historical events, and religious worldviews influenced creative expression across different historical epochs.

*Elective Grading Track:* Evaluated via the Straight Point System (Points Earned ÷ Total Possible Points). Grades are accumulated evenly across cultural research projects, listening exercises, visual identification assignments, and core topic reviews.

## **Social Sciences & Humanities**

### **Philosophy (0.5 Credit)**

*Instructional Framework:* Academic Independent Study & Socratic Discourse

*Description:* A semester-length introduction to the major branches of philosophical thought, including metaphysics, epistemology, logic, and ethics. Students evaluate historical philosophical movements from ancient Greece through modern existentialism. Critical emphasis is placed on analyzing secular philosophies through a biblical framework

to understand their impact on modern laws, culture, and social structures.

*Elective Grading Track:* Evaluated via the Straight Point System (Points Earned ÷ Total Possible Points). Grades are accumulated evenly across analytical writing reflections, reading journals, and structured discussion responses.

## **Communications & Practical Arts**

### **Speech (0.5 Credit)**

*Instructional Framework:* Practicum & Public Speaking Workshop

*Description:* A performance-based semester course designed to build confidence and competence in public speaking. Students master the mechanics of vocal variety, eye contact, body language, and stage presence. Course modules cover the preparation, outlining, and delivery of informative, persuasive, impromptu, and ceremonial speeches, alongside a study of audience analysis and logical rhetoric.

*Elective Grading Track:* Evaluated via the Straight Point System (Points Earned ÷ Total Possible Points). Grades are accumulated evenly across speech presentations, preparation outlines, peer reviews, and rhetorical exercises.

### **Keyboarding and Document Processing (0.5 Credit)**

*Instructional Framework:* Digital Skills & Application Lab

*Description:* A practical skills course focusing on touch-typing mastery and professional document layouts. Students build typing speed and accuracy through systematic practice. The curriculum covers the layout standards for formal business letters, multi-page reports, resumes, academic tables, and professional email correspondence, preparing students for the administrative demands of collegiate work.

*Elective Grading Track:* Evaluated via the Straight Point System (Points Earned ÷ Total Possible Points). Grades are accumulated evenly across daily keyboarding drills, speed/accuracy benchmark logs, and document formatting templates.

## **World Languages Track**

### **Spanish I (1.0 Credit)**

*Instructional Framework:* Comprehensive Language Acquisition

*Description:* An introductory course targeting foundational Spanish vocabulary, basic sentence structures, and grammar rules. Students practice listening, reading, writing, and speaking skills focused on everyday communication (e.g., greetings, family, hobbies, shopping). The course also introduces the diverse cultural traditions and histories of the Spanish-speaking world.

*Elective Grading Track:* Evaluated via the Straight Point System (Points Earned ÷ Total Possible Points). Grades are accumulated evenly across conversational practice, vocabulary logs, reading tasks, and writing worksheets.

### **Spanish II (1.0 Credit)**

*Instructional Framework:* Comprehensive Language Acquisition

*Description:* An expansion of language skills built in Spanish I. Students master complex grammar mechanics, including past, future, and conditional verb tenses. Coursework focuses heavily on conversational fluidity, paragraph-length reading comprehension, and creative composition writing, building the necessary proficiency for college language placement exams.

*Elective Grading Track:* Evaluated via the Straight Point System (Points Earned ÷ Total Possible Points). Grades are accumulated evenly across spoken dialogues, advanced grammar worksheets, reading translations, and writing tasks.

### **Greek I (1.0 Credit)**

*Instructional Framework:* Classical Language Studies

*Description:* An introductory study of classical (Koine) Greek. Students master the Greek alphabet, pronunciation rules, basic vocabulary, and essential grammatical structures, including noun declensions and the present indicative active verb system. The course focuses heavily on syntax decoding and simple textual translations.

*Elective Grading Track:* Evaluated via the Straight Point System (Points Earned ÷ Total Possible Points). Grades are accumulated evenly across alphabet drills, basic translation practices, vocabulary logs, and parsing exercises.

### **Greek II (1.0 Credit)**

*Instructional Framework:* Classical Language Studies

*Description:* An advanced exploration of Koine Greek vocabulary, grammar, and translation mechanics. Introduces participles, infinitive structures, and complex sentence syntax. Students move from basic textbook exercises to translating extended narrative sections of historical manuscripts, focusing on precise context clues and word studies.

*Elective Grading Track:* Evaluated via the Straight Point System (Points Earned ÷ Total Possible Points). Grades are accumulated evenly across scriptural translation projects, syntax parsing logs, and vocabulary exercises.