

JACKSONVILLE HIGH SCHOOL



2026-2027 COURSE CATALOG

Jacksonville North Pulaski School District
1414 West Main Street, Jacksonville, AR 72076
(501)241-2080
www.jnpsd.org

ARKANSAS GRADUATION REQUIREMENTS*

English- 4 Credits

- English I
- English II
- English III
- English IV

Mathematics - 4 credits; At least one MATH credit must be taken in 11th or 12th Grade

- Algebra I
- Geometry
- Algebra II or Quantitative Reasoning
- Fourth Math - Algebra III, Pre-Calculus, an AP Mathematics, or Computer Science Flex

Science 3 credits with lab experience

- Biology - 1 credit
- Physical Science - 1 credit
- Third Science - Chemistry, Physics, Anatomy, Environmental Science, or Computer Science Flex

Social Studies - 3 credits

- Civics - ½ credit
- Economics w/ Personal Finance - ½ credit
- World History - 1 credit
- U. S. History - 1 credit

Oral Communications - ½ credit

Personal Fitness - ½ credit

Health & Safety - ½ credit

Fine Arts ½ credit

Computer Science 1 Credit

Career Focus - 6 credits

** An alternate pathway to graduation is available; see appendix A.*

*****Note: Comparable Advanced Placement* and Concurrent Credit College course may be substituted where applicable.*

Additional Graduation Requirements

- Each high school student shall be required to take the Arkansas Civics exam and pass with 60% or above.
- Each high school student must complete hands-on CPR training.
- Each high school student must complete a minimum of 75 clock hours of documented community service in grades 9-12; begins with 2027 graduates.
- Beginning in 8th grade student success plans will be used to ensure all graduation requirements have been met.

HONOR GRADUATE REQUIREMENTS

HONOR GRADUATES

Students who have successfully completed the minimum core of courses recommended for preparation for college as defined by the Department of Higher Education and the State Board of Education and have a cumulative GPA of 3.5 will be designated as honor students. The GPA shall be derived from courses taken for credit.

VALEDICTORIAN AND SALUTATORIAN

The honor student with the highest GPA and who has been enrolled in Jacksonville North Pulaski's high school for his/her entire junior and senior year shall serve as the valedictorian of his/her graduating class.

The honor student with the second highest GPA and who has been enrolled in Jacksonville North Pulaski's high school for his/her entire junior and senior year shall serve as the salutatorian of his/her graduating class.

Parents or guardians of a student, or a student eighteen (18) years of age or older, who choose to not have the student publicly identified as an honor roll or honor graduate student must submit a written request that the student not be so identified.

GRADING SYSTEM

A year-long course is valued as one (1) unit.

Grade Points	AP*Grade Points	Grading Scale
A=4	A=5	A= 90-100
B=3	B=4	B= 80-89
C=2	C=3	C= 70-79
D=1	D= 2	D= 60-69
F=0	F=0	F= 59 & below
* AP assessments are required for weighted GPA		

EARLY COLLEGE CLASSES

The Early College High School Initiative at Jacksonville High School allows students to receive a high school diploma and acquire up to two years of college credit, by taking a mixture of high school and concurrent credit college classes through Post-Secondary Institutions.

<i>University of Arkansas at Little Rock</i>	<i>University of Arkansas - Pulaski Technical College</i>	<i>Arkansas State University at Beebe</i>
Composition I	Culinary Arts I	Intro to Advanced Manufacturing
Composition II	Culinary Arts II	Welding I
Oral Communications		Welding II
World Literature 1		Intro to Architecture
World Literature 2		Architecture I
US History Part 1		Architecture II
US History Part 2		
History of Civilization I		
History of Civilization II		
College Algebra		
College Trigonometry		

ACCELERATED AND ADVANCED PLACEMENT (AP®)

Scholars can earn **free college credit** by participating in Advanced Placement courses and earning a qualifying score on the exam.

Advanced Placement (AP) courses and exams are available in secondary schools and measure a student's mastery of **university-level course content**. The program allows students to develop a global perspective, as well as skills such as critical thinking and problem solving. Jacksonville High School will offer 17 AP courses and exams for the 2026 school year. Teachers of AP courses complete extensive training developed by the College Board and their course must be audited and authorized by the College Board before it can be taught.

Enrollment in accelerated and AP courses is open to any student however, it is **strongly recommended** students:

- Have a grade of A or B in their pre-requisite courses
- Have acceptable standardized test scores.

*AP*and PAP*are trademarks of the College Board.*

Advanced Placement Course Offerings 2026-2027

Language Arts	Math	Social Studies	Science	Other
AP English Language and Composition	AP Pre-Calculus	AP African American Studies	AP Biology	AP Computer Science
AP English Literature and Composition	AP Calculus AB	AP Government	AP Chemistry	AP 2D Art (Studio Art I)
	AP Calculus BC	AP Human Geography		AP 3D Art (Studio Art II)
	AP Statistics	AP Psychology		
		AP United States History		
		AP World History		

TESTING TIMELINE

Testing & Preparation

Additional information:

- Take the PSAT, ACT and other tests at the recommended time.
- Take rigorous courses including Concurrent and/or Advanced Placement* courses.
- Consult with your high school counselor regularly.

Testing Timeline

ACT

Offered 5 times per year at Jacksonville High School

All Juniors take it in the Spring (ACT is administered free to all Juniors in the Spring)

Register online at www.actstudent.org

Students qualifying for Free or Reduced Lunch should see their counselor for a fee waiver.

We encourage students to participate in ACT preparation courses.

Accuplacer

Some colleges may accept an Accuplacer score in place of the ACT.

ASVAB

The Armed Services Vocational Aptitude Battery (ASVAB) is a heavily researched and well-respected aptitude test developed by the Department of Defense. It measures a young adult's strengths and potential for success in military training.

Workkeys

The ACT WorkKeys assessment was approved by the State Board of Education to meet Arkansas Act 319 of 2021. All students in grades 10-12 have the opportunity to take WorkKeys before they graduate. The assessment measures essential work skills needed for success in jobs across industries and occupations and represents work readiness through the National Career Readiness Certificate (NCRC). The purpose of the NCRC is to provide students with a workplace certification that demonstrates their preparedness for the workforce, and measures their knowledge and skills in *Applied Math, Graphic Literacy, and Workplace Documents*. There are four certified NCRC levels: Platinum, Gold, Silver, and Bronze.

- Platinum - indicates the skills required for 99% of ACT-profiled jobs.

PSAT/NMSQT

2nd week in October

Juniors - Qualification for National Merit Scholarship Competition

Sophomores-Practice only

ARKANSAS SCHOLARSHIPS

Arkansas Academic Challenge (Lottery) Scholarship The Arkansas Academic Challenge (Lottery) Scholarship is open to high school seniors and non-traditional students who are Arkansas residents. Students must earn a composite score or superscore of 19 on the ACT. Application deadline is July 1. To apply go to the [SAMS](#) website.

Arkansas Future Grant (ArFuture) The Arkansas Future (ArFuture) grant applies to students enrolled in Science, Technology, Engineering, and Math (STEM) or regional high-demand areas of study. The grant will cover tuition and fees for qualifying certificate and Associate degree programs in Arkansas' public institutions. Visit <https://sams.adhe.edu/Career> to view eligible programs.

Governor's Distinguished Scholarship The Governor's Distinguished Scholarship is open to high school seniors with a minimum composite or superscore of 32 on the ACT or a 1410 on the SAT, and a 3.5 unweighted, cumulative grade point average. FAFSA is required. Application deadline is March 1. To apply go to the [SAMS](#) website.

Military Dependents Scholarship The Military Dependents Scholarship provides a waiver of tuition, fees, and room and board at any public or private college, university, or technical school in Arkansas. Students who are dependent children of a parent or guardian who were killed or missing in action, prisoners of war, or permanently and totally disabled through military service. Application deadline is July 1. To apply go to the [SAMS](#) website.

Sports Scholarships, Athletic Scholarships and Financial Aid for Student Athletes The NCAA Clearinghouse can be accessed by calling toll free 1-877-262-1492 or by going to the website at www.ncaaclearinghouse.net . The clearinghouse is available for students and parents to provide general information about NCAA Division I and Division II initial-eligibility requirements. It is the responsibility of the parent and the student athlete to know all the eligibility requirements in order to register with the NCAA Clearinghouse.

PlayNAIA is the official clearinghouse for NAIA Eligibility. Information regarding students National Association of Intercollegiate Athletics (NAIA) eligibility can be found at www.playnaia.org .

JACKSONVILLE HIGH SCHOOL



**Jacksonville High School
1301 W. Main St.
Jacksonville, AR 72076
501.982.2128**

<https://www.jnpsd.org/o/jhs>

COURSE OFFERINGS

ENGLISH

English I

(410000: 1 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

Demonstrate independence; build strong content knowledge; respond to the varying demands of audience, task, purpose, and discipline; comprehend as well as critique; value evidence; use technology and digital media strategically and capably; come to understand other perspectives. The English student focuses on reading and analyzing literature and literary nonfiction, studying the English language, and writing about related topics.

English I Accelerated*

(410005: 1 Credit)

Prerequisite Course Codes: None

Grade Range: 9-12

Project based learning is an integral part of this course which teaches an appreciation of literature through the study of a variety of genres including short stories, dramas, novels, and epics with a focus on comparison and contrast of print versus non-print sources. Experiences with grammar and composition are expanded in variety. Reading emphasis is on informational/explanatory texts. Writing emphasis is on writing arguments, informational/explanatory texts, and narratives.

English II

(411000: 1 credit)

Prerequisite Course Codes: 410000

Grade Range: 9 - 12

Demonstrate independence; build strong content knowledge; respond to the varying demands of audience, task, purpose, and discipline; comprehend as well as critique; value evidence; use technology and digital media strategically and capably; come to understand other perspectives and cultures. The English student focuses on reading and analyzing literature and literary nonfiction, studying the English language, and writing about related topics.

English II Accelerated*

(411005: 1 credit)

Prerequisite Course Codes: 410000

Grade Range: 9 - 12

This course is a pathway to Advanced Placement* English. Suggested readings for literature are diverse and are not limited to one era or style of writing. Each unit also features analytical, persuasive, and descriptive writing tasks, and there are ongoing research components. This course includes outside independent reading, and competent use of technology.

English III

(412000: 1 credit)

Prerequisite Course Codes: 410000, 411000

Grade Range: 9 - 12

Demonstrate independence; build strong content knowledge; respond to the varying demands of audience, task, purpose, and discipline; comprehend as well as critique; value evidence; use technology and digital media strategically and capably; come to understand other perspectives. The English student focuses on reading and analyzing literature and literary nonfiction, studying the English language, and writing about related topics.

AP English Language and Composition**(517030: 1 credit)****Prerequisite Course Codes: 410000, 411000****Grade Range: 9 - 12**

Introductory college-level composition course. Cultivate understanding of writing and rhetorical arguments through reading, analyzing, and writing texts while exploring topics like rhetorical situation, claims and evidence, reasoning and organization, and style. Students are expected to take the AP exam.

English IV**(413000: 1 credit)****Prerequisite Course Codes: 410000, 411000, 412000****Grade Range: 9 - 12**

Demonstrate independence; build strong content knowledge; respond to the varying demands of audience, task, purpose, and discipline; comprehend as well as critique; value evidence; use technology and digital media strategically and capably; come to understand other perspectives. The English student focuses on reading and analyzing literature and literary nonfiction, studying the English language, and writing about related topics.

AP English Literature and Composition**(517040: 1 credit)****Prerequisite Course Codes: 410000, 411000, 412000****Grade Range: 9 - 12**

Introductory college-level literary analysis course. Cultivate understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works. Students are expected to take the AP exam.

Oral Communication: Personal Communication (0.5 credit)**(414200: 0.5 credit)****Prerequisite Course Codes: None****Grade Range: 9 - 12**

Understand the dynamics of effective communication while speaking, listening, and responding in the situations they encounter in day-to-day life. Students will practice communication competencies in both intrapersonal and interpersonal environments, prepare for both informal and formal communication, and participate in a variety of formal and informal personal communication experiences.

Journalism I**(415000: 1 credit)****Prerequisite Course Codes: None****Grade Range: 9 - 12**

Analyze media and technology to enhance communication skills. Writing, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, and produce effective communication. Students will learn and apply journalistic guidelines for writing, design, and photography, which include objectivity, responsibility, and credibility.

Creative Writing**(417020: 1 credit)****Prerequisite Course Codes: None****Grade Range: 9 - 12**

Engage in the writing of poetry, short fiction, personal narratives, and other genres with an emphasis on developing and exercising imagination. Students will read closely for multiple purposes to analyze and evaluate exemplary texts to develop creative writing skills and critique; and refine writing through guided discussions, collaborative revisions, and individual reflections. Students will produce a portfolio of creative work that reflects student growth and understanding of the techniques of published authors and share writing in a variety of ways and research methods for publishing original work.

English Language Development (ELD) I and II (Requires ADE approval)**(596600: 1 credit)****Prerequisite Course Codes: English learner with Emerging English Language Proficiency****Grade Range: 9 - 12**

This course provides targeted English Language Development instructional practice and assessment of speaking, writing, reading, and listening in English with each level one descriptor of the 9-12 English Language Proficiency Standards. It provides English learners with emerging or beginning English language proficiency functional practice using the English necessary to begin meaningful engagement with and responding to the rigorous demands of life and their grade-level content standards in English.

Academic Reading**(419130: 1 credit)****Prerequisite: Placement****Grade Range: 9 - 12**

Academic Reading is a two-semester course designed to accelerate reading growth for students with dyslexia by strengthening comprehension outcomes in high school grades. In a context of meaningful content, on-going assessment, and focused explicit instruction, students will evaluate fiction and nonfiction texts and multicultural literature of diverse formats (e.g., print media, Web-based texts, fiction and nonfiction books and articles) and genres. Students will also demonstrate literacy competence through purposeful application of knowledge and skills from this course, based on individual and collective literacy goals.

Debate I**(414050: 1 credit)****Prerequisite Course Codes: None****Grade Range: 9 - 12**

Understand the fundamentals of argumentation and will express ideas and present information in a variety of oral advocacy situations from small group discussions to formal debates. Special emphasis will be given to research proficiencies and analytical thinking and listening skills. The skills listed in Strand 1: Communication Skills will be embedded throughout the course, providing students with an understanding of the dynamics of effective oral communication when speaking, listening, and responding.

Debate II**(414060: 1 credit)****Prerequisite Course Codes: 414050****Grade Range: 9 - 12**

Build on the fundamentals of argumentation and express ideas and present information in a variety of oral advocacy situations from small group discussions to formal debates. Special emphasis will be given to research proficiencies and analytical thinking and listening skills. Credit Fulfills: Career-Focused Elective

Debate III**(414070: 1 credit)****Prerequisite Course Codes: 414050, 414060****Grade Range: 9 - 12**

Build on the fundamentals of argumentation and express ideas and present information in a variety of oral advocacy situations from small group discussions to formal debates. Special emphasis will be given to research proficiencies and analytical thinking and listening skills.

AP Seminar**(517060: 1 credit)****Grade Range: 9 - 12**

Foundational course in the AP Capstone experience. Engage in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and communicate ideas.

AP Research**(517070: 1 credit)****Grade Range: 9 - 12**

Second course in the AP Capstone experience. Deeply explore an academic topic, problem, issue, or idea of individual interest. Design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, further the skills acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Reflect on skill development, document processes, and curate the artifacts of scholarly work through a process and reflection portfolio.

Composition I (Concurrent Credit Course)**(519900: 1 credit)****Grades: 11-12****Prerequisite: ACT-19 Composite, 19 Reading, and 19 English or equivalent Accuplacer Score**

Practice in writing, with an emphasis on personal, expressive writing, as well as transactional writing. Students will focus on organizing and revising ideas and writing well organized, thoroughly developed papers that achieve the writer's purpose, meet the readers' needs, and develop the writer's voice. Final course grades must be A, B, C to earn credit.

Composition II (Concurrent Credit Course)**(519900: 1 credit)****Grades: 11-12****Prerequisite: Completion of Composition I with a C or greater or equivalent**

Practice in writing, with an emphasis on academic forms. Students will focus on analysis, argumentation, research, and documentation writing. Final course grades must be A, B, C to earn credit.

Oral Communications (Concurrent Credit Course)**(514000: 1 credit)****Grades: 11-12****Prerequisite: Completion of Composition II with a C or greater or equivalent**

No Course description found.

English Exploration (I, II, III, IV)**(Course Code varies: 1 credit)****Grades: 9 - 12****Prerequisite: Placement**

This course is designed for the student who will participate in the Alternate Pathway to Graduation

Oral Communication Exploration**(914000: 0.5 credit)****Grades: 9 - 12****Prerequisite: Placement**

This course is designed for the student who will participate in the Alternate Pathway to Graduation.

MATHEMATICS

Algebra I**(430000: 1 credit)****Prerequisite Course Codes: None****Grade Range: 7 - 12**

Extend middle school linear understanding by exploring linear and exponential relationships by drawing comparisons between the two in this course. Apply models to data with linear trends. Develop an understanding of analyzing, solving, and using quadratic functions.

Geometry**(431000: 1 credit)****Prerequisite Course Codes: 430000****Grade Range: 8 - 12**

Examine geometric relationships, explore various geometric situations, and construct mathematical arguments in this course. Students will develop a strong understanding of geometric principles by applying critical thinking and express mathematical reasoning with precision and clarity.

Geometry Accelerated***(431005: 1 credit)****Prerequisite Course Codes: 430000 or 430005****Grade Range: 8-10**

This course is in the accelerated math pathway and is for students who completed Algebra 1 in middle school. The course focuses on concepts such as congruence, similarity, measurement, and dimension. Students will express geometric properties using equations. They will also be expected to model with geometry. Arkansas teachers are responsible for integrating the eight Standards for Mathematical Practice.

Algebra II**(432000: 1 credit)****Prerequisite Course Codes: 430000****Grade Range: 9 - 12**

Analyze linear, quadratic, and exponential functions with a depth beyond Algebra I expectations. The course will expand comprehension of functions, including polynomial, rational, and radical functions. The emphasis is on problem-solving through developing models for various situations and solving equations, including incorporating complex numbers and applying logarithmic properties.

Algebra II Accelerated***(432005: 1Credit)****Prerequisite Course Codes: 430000****Grades: 9-10**

This course is in the accelerated math pathway and is for students whose intention is to take an Advanced Placement* or college math course while still in high school. The Algebra II course focuses on the real and complex number systems. Students will study, in-depth, polynomial and rational expressions, equations, inequalities, and functions. Students will model using linear, quadratic, and exponential models. Interpreting data and determining probability will also be an area of focus. Likewise, students will study the basic elements of trigonometry. Arkansas teachers are responsible for integrating the eight Standards for Mathematical Practice.

Algebra III**(439070: 1 credit)****Prerequisite Course Codes: 430000, 431000, 432000****Grade Range: 9 - 12**

Deepen understanding of Algebra II concepts and explore pre-calculus concepts. Students will enhance skills in analyzing and solving various functions, including polynomials, rational, exponentials, and logarithmic, with a real-world focus. Apply mathematical techniques to model and analyze situations using sequences, series, matrices, and conics.

Statistics**(439090: 1 credit)****Prerequisite Course Codes: 430000, 432000****Grade Range: 9 - 12**

Embark on Statistics, a journey tailored for students completing Algebra II and interested in business, social sciences, or education. Develop an understanding of experimental design, estimation, hypothesis testing, and effective communication through probability, randomness, and variability. Engage in practical applications, exploring data collection and analysis methods throughout this two-semester course.

Quantitative Reasoning**(439120: 1 credit)****Prerequisite Course Codes: 430000****Grade Range: 9 - 12**

Discover math topics, building on Algebra I basics. Focus on using modeling to analyze real-world situations and enhance mathematical understanding. Express and process reasoning in numbers, graphs, symbols, and words, connecting concepts to new contexts. Use technology including graphing calculators, computers, or data tools. Credit Fulfills: Graduation Requirement for Mathematics (Algebra II or Quantitative Reasoning), Graduation Requirement for Mathematics or Computer Science (4th Mathematics or Computer Science), Career-Focused Elective

Pre Calculus**(433000: 1 credit)****Prerequisite Course Codes: 430000,431000, 4320000****Grade Range: 9 - 12**

Apply the study of trigonometric functions, identities, and practical applications of right triangle trigonometry and circular functions. Use symbolic reasoning and analytical methods to represent mathematical situations and express generalizations. Investigate the relationships among various mathematical concepts, employing functions and equations as tools for expressing generalizations.

AP Precalculus**(533030: 1 credit)****Prerequisite Course Codes: none****Grade Range: 9 - 12**

Develop and hone symbolic manipulation skills, including solving equations and manipulating expressions, for many function types. Explore functions and their compositions, inverses, and transformations through graphical, numerical, analytical, and verbal representations and reveal different attributes of functions for solving problems in mathematical and applied contexts. Students are expected to take the AP exam.

AP Calculus AB**(534040: 1 credit)****Prerequisite Course Codes:****Grade Range: 9 - 12**

Introductory college-level calculus course. Cultivate understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. Students are expected to take the AP exam.

AP Calculus BC**(534050: 1 credit)****Prerequisite Course Codes:****Grade Range: 9 - 12**

Introductory college-level calculus course. Cultivate understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. Includes content beyond AP Calculus AB. Students are expected to take the AP exam.

AP Statistics**(539030: 1 credit)****Prerequisite Course Codes:****Grade Range: 9 - 12**

Introductory college-level statistics course. Recognize major concepts and tools for collecting, analyzing, and drawing conclusions from data. Cultivate understanding of statistics using technology, investigations, problem solving, and writing while exploring concepts like variation and distribution; patterns and uncertainty; and

data-based predictions, decisions, and conclusions. Students are expected to take the AP exam.

College Algebra (Concurrent Credit Course)

(539900:1)

Grades: 11-12

Prerequisite: ACT: 19 Composite and 21 Math score or equivalent Accuplacer score

This college level course is a study of functions including but not limited to, absolute value, quadratic, polynomial, rational, logarithmic, and exponential; systems of equations and matrices. **Can satisfy the fourth math requirement.** Final course grades must be A, B, C to earn credit.

College Trigonometry (Concurrent Credit Course)

(539960:1)

Grades: 11-12

Prerequisite: Completion of College Algebra - 21 ACT Math score or equivalent Accuplacer score

This college level course will include Circular functions and their graphs, identities, angles and their measure, functions of angles, right angles, right triangles, Law of Sines, Law of Cosines, inverses of circular functions, solutions of trigonometric equations, complex numbers, and DeMoivre's Theorem. **Can satisfy the fourth math requirement.** Final course grades must be A, B, C to earn credit.

Math Explorations (I, II, III, IV)

(Course Code varies:1)

Grades: 9-12

Prerequisite: Placement

This course is designed for the student who will participate in the Alternate Pathway to Graduation.

SCIENCE

Physical Science - Integrated

(423000: 1 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

Develop an understanding of atomic substructure and substance properties, utilizing the periodic table to predict element properties. Explain the formation and abundance of elements, and comprehend chemical reactions, including rates and energy changes, in terms of molecule collisions and atom rearrangements. Investigate energy transfer in terms of wave properties and the interactions of electromagnetic radiation. Construct explanations for energy's role in matter cycling in organisms and ecosystems, applying mathematical concepts and developing models, while understanding the interdependencies between humans and Earth's systems through the impacts of natural hazards, dependencies on resources, and environmental impacts.

Biology - Integrated

(420000: 1 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

Examine the cycling of carbon-based molecules through photosynthesis and cellular respiration, using mathematical models to illustrate carbon flow in ecosystems. Investigate cell structure and function, hierarchical organism systems, and the role of biodiversity and animal behavior in ecosystems. Explore genetic concepts, including genetic modification, and the role of DNA in the unity of life, culminating in the exploration of Earth's dynamic systems, climate change, and the complex interactions among human activity and the environment.

Biology Accelerated

(420005: 1 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

Examine the cycling of carbon-based molecules through photosynthesis and cellular respiration, using mathematical models to illustrate carbon flow in ecosystems. Investigate cell structure and function, hierarchical organism systems, and the role of biodiversity and animal behavior in ecosystems. Explore genetic concepts,

including genetic modification, and the role of DNA in the unity of life, culminating in the exploration of Earth's dynamic systems, climate change, and the complex interactions among human activity and the environment.

Chemistry - Integrated

(421000: 1 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

Investigate the substructure of atoms, utilizing the periodic table to explain and predict element properties. Explore chemical reactions, including rates and energy changes, providing mechanistic explanations for biological and geophysical phenomena. Demonstrate knowledge of energy concepts at both macroscopic and atomic scales, involving fusion and fission, motions of particles, configurations, and properties of waves, while also applying engineering principles to design devices minimizing forces during collisions.

Chemistry Accelerated

(421005: 1 Credit)

Prerequisite Course Codes: none

Grade Range: 9 - 12

Investigate the substructure of atoms, utilizing the periodic table to explain and predict element properties. Explore chemical reactions, including rates and energy changes, providing mechanistic explanations for biological and geophysical phenomena. Demonstrate knowledge of energy concepts at both macroscopic and atomic scales, involving fusion and fission, motions of particles, configurations, and properties of waves, while also applying engineering principles to design devices minimizing forces during collisions.

Physics

(422010: 1 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

Investigates concepts of motion and creates algebraic and conceptual models. Conduct investigations and use mathematical models to evaluate kinetic and potential energy of systems. Use computational models to investigate the conservation of energy and the total change of energy in a system. Use data to analyze wave properties and create visual and mathematical representations for the propagation of light and sound. Use principles of simple harmonic motion to relate periodic properties of waves to vibrations. Evaluate differences and similarities of mechanical and electromagnetic waves investigated through experiments involving light and sound.

Environmental Science

(424020: 1 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

Analyze data and explain changes in Earth systems over time. Investigate water properties and its role in Earth systems, using quantitative models for carbon cycling. Engage in the engineering process including designing investigations, creating models, and building devices for energy transfer exploration. Use technology for data collection and analysis in evaluating factors affecting ecosystems. Construct explanations for the influence of human activity on natural resources, hazards, and climate change using simulations to address environmental impacts and promote sustainability.

Anatomy/Physiology

(424030: 1 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

Develop understanding of key concepts that help students make sense of the interactions among the eleven human body systems, including the Integumentary, Skeletal, Muscular, Respiratory, Circulatory, Digestive, Nervous, Endocrine, Lymphatic, Urinary, and Reproductive Systems.

AP Biology

(520030: 1 credit)

Prerequisite Course Codes: 420000 or 420005, 432000 or 432005

Grade Range: 9 - 12

Introductory college-level biology course. Cultivate understanding of biology through inquiry-based investigations of topics like evolution, energetics, information storage and transfer, and system interactions. Students are expected to take the AP exam.

AP Chemistry

(521030: 1 credit)

Prerequisite Course Codes: 420000 or 420005, 421000 or 421005

Grade Range: 9 - 12

Introductory college-level chemistry course. Cultivate understanding of chemistry through inquiry-based lab investigations while exploring four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. Students are expected to take the AP exam.

Science Exploration I-IV

(Course Code Varies: 1 Credit)

Grades: 9-12

Prerequisite: Placement

This course is designed for the student who will participate in the Alternate Pathway to Graduation.

SOCIAL STUDIES

United States History Since 1929

(470000: 1 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

This course is designed to help students become better informed and more appreciative of their rich American heritage. It begins at the constitutional period and brings the student up to present times. Students are challenged to investigate the historical record and to present sound historical perspectives in the analysis of past- and present-day events. Students will draw upon skills in the following interconnected dimensions of historical thinking: chronological thinking, historical comprehension, historical analysis and interpretation, historical research capabilities, historical issues-analysis and decision-making.

World History Since 1450

(471000: 1 Credit)

Prerequisite Course Codes: None

Grades: 10-12

This course provides an in-depth study of the history of human society from Era 6: Emergence of First Global Age 1450-1770 to Era 9: Contemporary World since 1945. World History is designed to assist students in understanding the human condition, how people and countries of the world have become increasingly interconnected across time and space, and the ways different people view the same event or issue from a variety of perspectives. This course develops an understanding of the historical roots of current world issues, especially as they pertain to international/global relations. It requires an understanding of world cultures and civilizations, including an analysis of important ideas, social and cultural values, beliefs, and traditions. Knowledge of past achievements and failures of different peoples and nations provides citizens of the 21st century with a broader context within which to address the many issues facing our nation and the world.

Civics

(472000: 0.5 credit)

Prerequisite Course Codes: None

Grades: 9-12

This course is designed to prepare students for the responsibilities of citizenship. Special emphasis is placed on understanding the structure and function of our democratic form of government. This course will also focus on the family, elections, taxes, the economy and foreign policy. The importance of civic participation will also be stressed. Students are required to pass the Arkansas Civics Exam.

Economics with Personal Finance**(474300: 0.5 credit)****Prerequisite:None****Grades: 9-12**

Economics is a one-semester course that emphasizes economic fundamentals, microeconomics, macroeconomics, and personal financial management. Students will explore the interrelationships among the roles played by consumers, producers, capital, land, and labor as well as the interrelationship among economic, political, and social lives. Additionally, students will examine the relationship between individual choices and the direct influence of these choices on occupational goals and future earning potential. Economics stresses application, problem-solving, higher-order thinking skills, and use of classroom performance-based, open-ended assessments with rubrics. This course meets the personal and family finance graduation requirement.

AP United States History**(570020: 1 credit)****Prerequisite Course Codes: None****Grade Range: 9 - 12**

In this course, students investigate significant events, individuals, developments, and processes in the United States from 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. Students are expected to take the AP exam.

AP World History**(571020: 1 Credit)****Prerequisite Course Codes: none****Grades: 9-12**

In this course, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. Students are expected to take the AP exam.

AP African American Studies**(574700: 1 credit)****Grades: 10-12****Prerequisite: none**

This course is designed to offer high school students an evidence-based introduction to African American studies. This interdisciplinary course reaches into a variety of fields—literature, the arts and humanities, political science, geography, and science—to explore the vital contributions and experiences of African Americans. Students are expected to take the AP exam.

AP Human Geography**(579080: 1 credit)****Grades: 9-12****Prerequisite: none**

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socio-economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards. Students are expected to take the AP exam.

AP Psychology**(579080:1 Credit)****Grades: 11-12****Prerequisite: none**

This course introduces students to the systematic and scientific study of human behavior and mental processes. Students explore and apply psychological theories, key concepts, and phenomena associated with

major units of study, including biological bases of behavior, cognition, development, learning, social psychology, personality, and mental and physical health. Throughout the course, students apply psychological concepts and employ psychological research methods and data interpretation to evaluate claims, consider evidence, and effectively communicate ideas. Students are expected to take the AP exam.

AP Government and Politics

(572040:1)

Grades: 11-12

Prerequisite: None

This course provides a nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students are expected to take the AP exam.

Psychology (0.5 credit)

(474400: 0.5 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

Provides an introduction to the science of behavior and mental processes. Integrates an overview of the history of psychology as well as an opportunity to study personality and individuality as well as explores how the knowledge and methods of psychologists are applied to the solution of human problems. Examines human development, biological bases of behavior, sensation and perception, learning, memory and cognition, behavior patterns, personality, and individuality.

Sociology (0.5 credit)

(474500: 0.5 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

Investigates the science of behavior and mental processes, including an overview of the history of psychology. Provides the opportunity to study personality and individuality, as well as considers how the knowledge and methods of psychologists are applied to the solution of human problems. Considers human development; biological bases of behavior; sensation and perception; learning, memory, and cognition; behavior patterns; personality and individuality.

World Geography (0.5 credit)

(474600: 0.5 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

Differentiates deep geographic reasoning, knowledge, and skills as students focus on spatial relationships, places, regions, and human systems including the application of geographic thinking skills to students' immediate world around them, as well as in their local communities and cities. Assembles spatial and environmental perspectives and explores available geospatial technologies to analyze and interpret a variety of geographic representations, pictorial and graphic evidence, and data.

African American History (0.5 credit)

(474700: 0.5 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

Examines the contributions African Americans have made to the history of the United States. Supports students' understanding of issues and events from multiple perspectives, develops an understanding of the historical roots of African American culture, especially as it pertains to social, economic, and political interactions within the broader context of United States history.

History Exploration 9, 10, 11

(Varies: 1 Credit)

Prerequisite: Placement

Grades: 9-12

This course is designed for the student who will participate in the Alternate Pathway to Graduation.

History of Civilization I (Concurrent Credit Course)**(579910:1 Credits)****Prerequisite: 19 ACT Composite Score & 19 in ACT Reading or equivalent Accuplacer Score****Grades: 11-12**

Part one focuses on the history of the world's significant civilizations from their beginnings to approximately AD 1600: the development of integrated political, social, economic, religious, intellectual, and artistic traditions and institutions within each of those cultures; significant intercultural exchanges.

History of Civilization II (Concurrent Credit Course)**(579900:1 Credit)****Prerequisite: 19 ACT Composite Score & 19 in ACT Reading or equivalent Accuplacer Score****Grades: 11-12**

Part two focuses on the history of the world's significant civilizations since approximately AD 1600: examination of the persistence of traditional civilizations and the changes in the world order due to the development of modern industrial society, modern science, and the nation state.

United States History (Concurrent Credit Course)**(579900:1 Credit)****Grades: 11-12****Prerequisite: 19 ACT Composite Score & 19 in ACT Reading or equivalent Accuplacer Score**

Part two focuses on the history of the world's significant civilizations since approximately AD 1600: examination of the persistence of traditional civilizations and the changes in the world order due to the development of modern industrial society, modern science, and the nation state.

ELECTIVES

FOREIGN LANGUAGE

Spanish I**(440000: 1 Credit)****Prerequisite: None****Grades: 7-12**

This course provides the student with beginning listening, speaking, reading, and writing skills necessary to communicate in Spanish. The study of Hispanic culture includes daily life, customs, and a brief study of significant historical events.

Spanish II**(440020: 1 Credit)****Prerequisite: 440000****Grades: 9-12**

Improves the skills acquired in Spanish I. This course provides further development of vocabulary, grammar skills, and oral proficiency. The study of Hispanic culture, customs, and history continues

Spanish III**(440030: 1 Credit)****Prerequisite: 440030**

Grades: 9-12

This course continues to build upon the vocabulary and structure introduced in Spanish I and II. The purpose of this course is to prepare students for the mastery skills necessary for success on the AP*Language Exam. This course emphasizes the goal of authentic communication in each of the four language skills: listening, speaking, reading, and writing. These skills will be developed and evaluated through exposure to real Spanish language in various contexts.

Spanish IV**(440040: 1 Credit)****Prerequisite: 440040****Grades: 9-12**

This course continues to build upon the vocabulary and structure introduced in Spanish I, II, and III. The purpose of this course is to prepare students for the mastery skills necessary for success on the AP*Language Exam. This course emphasizes the goal of authentic communication in each of the four language skills: listening, speaking, reading, and writing. These skills will be developed and evaluated through exposure to real Spanish language in various contexts.

FINE ARTS

Visual Art Appreciation**(453100: 0.5 credit)****Prerequisite Course Codes: None****Grade Range: 9 - 12**

Develop perceptual awareness and aesthetic sensitivity, as well as a foundation for a lifelong relationship with the arts. Learn the elements of art and principles of design; explore the basic processes, materials, and inherent qualities of visual art; examine a broad range of methods; conduct critical analyses of the creative processes involved in the various art forms; and reflect on the connections between society and visual art.

Visual Art Foundations I-IV**(450000, 450030, 450040, 440050: 1 credit)****Prerequisite Course Codes: None****Grade Range: 9 - 12**

Apply the elements of art and the principles of design by using a variety of media, techniques, processes, and tools to create original artwork that demonstrates understanding of aesthetic concerns and complex compositions. Basic concepts are introduced at the Visual Art Foundations I level, as students progress through each course, they will develop, expand, and increase real life application of problem solving through artistic maturation. Students will create, critique, reflect, make connections to art, exhibit original artwork and develop portfolios that reflect their personal growth.

Painting I and II**(450400: 1 credit)****Prerequisite Course Codes: 450000****Grade Range: 10 - 12**

This comprehensive introductory painting course is designed for high school students eager to explore the world of visual art through various painting mediums. Students will gain hands-on experience with acrylics, watercolors, oils, and mixed media, allowing for a broad understanding of diverse techniques and styles.

2D/3D Studio Art**(450080 - 2D Studio Art: 0.5 credit; 450090 - 3D Studio Art: 0.5 credit)****Grade Range: 10 - 12**

2D Studio Art is a one-semester course designed for students who have successfully completed Visual Art Foundations. 2D Studio Art is a course in which students further explore, apply, and move toward mastery of the elements of art and principles of design in specific areas of art, such as painting, drawing, printmaking, digital art, photography, mixed media, surface design, or other 2-D media. 3D Studio Art is a one-semester course designed for students who have successfully completed Visual Art Foundations. 3D Studio Art is a course in which students further explore, apply, and move toward mastery of the elements of art and

principles of design in specific areas of art, such as ceramics, jewelry, mosaics, fiber arts, sculptures, mixed media, altered books, or other 3-D media.

AP Studio Art I and II

(559060, 559050: 1 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

AP Studio Art is a course designed for highly motivated and skilled students who are interested in taking art at the college level and/or they are career-minded in the field of visual arts. We focus on creating a full 8 piece portfolio using process, experimentation, and revision. You get to choose your own theme and make art that YOU want to make. AP Lab will include experimenting in unconventional ways and giving you more work time to create. You must have passed Art 1 and Art 2 or have a teacher recommendation. *Recommended skills:* mastery of shading, perspective, figure drawing, and original creative ideas. Students are expected to take the AP exam.

Music Appreciation

(453030: 0.5 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

Apply the basic elements, principles, processes, materials, and inherent qualities of music. Examine a broad range of methods and will conduct critical analyses of the creative processes involved in music. Reflect on the connections between society and music while developing perceptual awareness and aesthetic sensitivity as well as a foundation for a lifelong relationship with music.

Band I-IV

(451000, 451040, 451050, 451060: 1 Credit)

Prerequisite: Recommendation of Teacher for Level Placement

Grades: 9-12

This class is for band students that have successfully completed Cadet Band and are interested in continued development of instrumental skills. Performances are required throughout the year which include but are not limited to the following: football games, parades, concerts, and contests. Outside practices are required which include summer band activities.

Jazz Band I-IV

(451200, 451210, 451220, 451230: 1 Credit)

Prerequisite: Enrollment in Band or Recommendation of Teacher

Grades: 9-12

Students play and perform to the instrumental ensemble styles of jazz, blues, rock, and stage band. Emphasis is placed on each student's playing and musical skills. Students develop their skills in the art of improvisation. Members must be available to perform frequently for school and civic functions.

Vocal Ensemble I-IV

(452000, 452040, 452050, 452060: 1 Credit)

Prerequisite: Vocal Placement

Grades: 9-12

This is for students interested in participating in a performance based choral program. This choir performs at concerts and contests.

Advanced Vocal Ensemble I

(452070: 1 credit)

Prerequisite: teacher recommendation

Grade Range: 9 - 12

Demonstrate an ability to apply music fundamentals and vocal techniques in the production, performance, analysis, and critique of vocal music performance. Apply sight-reading skills, improvisational skills, and performance techniques in solo, small group, and large group settings. Critique vocal music performances and deeply reflect upon the impact of vocal music on society as well as societal influences on vocal music.

Music Lab I-IV**(Various course codes: 1 Credit)****Prerequisite Course Codes: none****Grade Range: 9-12**

Music Lab I-IV are two-semester courses of study designed to provide instruction in any harmonizing instrument (musical instruments capable of producing harmonies as well as melodies), including but not limited to piano, guitar, banjo, general keyboards, synthesizers, iPads, or various technological media. It encapsulates the basic through advanced concepts that are germane to these musical media and empowers the educator to contour the fundamental dictates of instruction to the appropriate instrument(s). Through the processes of creating, performing, and analyzing music for these instruments, the student will develop the knowledge, skills, and attitudes for lifelong playing and listening to music. Music Lab I-IV creates opportunities for personal musical expression through choosing, discussing, and sculpting the musical experiences.

Music Technology I, II and III**(459020: 1 credit)****Prerequisite Course Codes: None****Grade Range: 9 - 12**

Study the technologies used to create, manipulate, perform, record, and share music. Introduce the constantly changing resources and possibilities available for personal musical expression. Course activities may involve smartphones, tablets, computers, and cloud-based resources, along with the voice and available acoustic, analog, electronic, and digital instruments.

Theatre Appreciation (0.5 credit)**(453130: 0.5 credit)****Prerequisite Course Codes: None****Grade Range: 9 - 12**

Develop an understanding of basic theatre skills and the history of the theatre, analyze and evaluate artistic work, and discover connections between theatrical works and societal, cultural, and historical contexts.

Theatre I-IV**(459100, 459110, 459120, 459130: 1 credit)****Prerequisite Course Codes: None****Grade Range: 9 - 12**

Theatre I-IV is a two-semester course in which students master both academic and performance skills in the art of drama and theatrical production. They are introduced to improvisation, expressive movement, analysis of scripts and characters, acting, and stagecraft. Students will evaluate and critique both written and performed works and make connections between theatre, other art forms, and other cultures. Theatre II and III expand the knowledge and performance base of Theatre I. Theatre IV is a two-semester course that guides students to master the skills required to direct drama/theatre experiences.

Technical Theatre I, II and III**(459240, 459250: 1 credit)****Prerequisite Course Codes: None****Grade Range: 9 - 12**

Experience all elements of technical theatre, including scenery, props, lighting, sound, costume, and makeup. All levels of Technical Theatre focus on the artistic processes of creating, performing, responding, and connecting.

HEALTH/PHYSICAL EDUCATION

Digital Health w/CPR**(480000: 0.5 Credit)****Prerequisite: None****Grades: 9-12**

This is a comprehensive course that teaches students to take responsibility for their health and well-being. The physical, mental, and social well-being which affects their overall level of health is emphasized. Units in Drug Education, Family Life, Standard First Aid/CPR, and Cancer complete the course.

Personal Fitness for Life**(485010: 0.5 Credit)****Prerequisite:None****Grades: 9-12**

This course helps students acquire knowledge, skills, and values that nurture an interest and desire to participate both now and throughout life in health-related fitness, skill-related fitness, racquet sports, volleyball, softball, and basketball.

AFJROTC Health**(480950: 0.5 Credit)****Prerequisite: None****Grades: 9-12**

AFJROTC Health is for cadets who want to receive health credit while taking one semester of AFJROTC. The AFJROTC program is a citizenship, character development, and leadership program designed to teach life skills. It is a cadet-led organization that offers many opportunities to develop leadership and followership skills. There is no military commitment required for cadets who join AFJROTC. The program offers co-curricular activities (Drill Team, Color Guard, Marksmanship, Fitness Team, etc.) and various field trips to enhance the curriculum. **AFJROTC satisfies the ADE requirement for health and safety education.**

AFJROTC Physical Education**(485950: 0.5 Credit)****Prerequisite: None****Grades: 9-12**

AFJROTC Physical Education is for cadets who want to receive health credit while taking one semester of AFJROTC. The AFJROTC program is a citizenship, character development, and leadership program designed to teach life skills. It is a cadet-led organization that offers many opportunities to develop leadership and followership skills. There is no military commitment required for cadets who join AFJROTC. The program offers co-curricular activities (Drill Team, Color Guard, Marksmanship, Fitness Team, etc.) and various field trips to enhance the curriculum. **AFJROTC satisfies the ADE requirement for physical education.**

Athletics/PE (Boys or Girls)**(485040: 0.5 Credit)****Prerequisite: Recommendation of Coaching Staff****Grades: 9-12**

Emphasis is on advanced athletic techniques, skills, and team success. Athletics will be required to follow a more disciplined training and off-season program than is required in the lower grades. Interscholastic competition is offered in volleyball, basketball, and track and field. ***Students are required to furnish proof of a current physical examination and pay a participation fee.***

SUPPLEMENTAL INSTRUCTION

ACT Test Preparation**(596400: 0.5 credit)****Prerequisite: none****Grades 10-12**

ACT Prep is a course that allows students to prepare for the ACT test. This class is designed for students who want to score well on their ACT test or to improve their ACT scores.

AVID 9, 10, 11 and 12**(591010, 591020, 591030, 591040: 1 credit)****Prerequisite: Teacher Recommendation and Interview****Grades 9-12**

AVID, which stands for Advancement Via Individual Determination, is a college and career readiness program designed to help students develop the skills they need to be successful in any post-high school

path. The program places special emphasis on growing writing, critical thinking, teamwork, organization and reading skills. AVID Elective students also visit colleges, have tutorials to support their other course work, and build a supportive community of learners who are prepared for their future.

Community Service Learning

(0 credit)

Grades: 9-11

GRADUATION REQUIREMENT

Service-learning is a form of experiential learning where students apply academic knowledge and critical thinking skills to address genuine community needs. Through direct human service activities, students gain an understanding of human psychology, community life, civic responsibility, government, career options and human diversity. The structured time provided in this course allows the student the opportunity to think, talk, and write about the actual service activity. 75 hours of satisfactory service must be completed. The volunteer service can be performed after or during school. **12th grade students only will receive 1 credit per 75 hours.**

Credit Recovery

(970190: 0 credit)

Prerequisite: Failure of a core class

Grades 9-12

This course is for students to recover credits that were lost in previous years.

EAST I

(560010: 1 credit)

Grade Range: 9 - 12

Students in EAST I will spend much of their time exploring their own interests and becoming familiar with the technology available in the EAST classroom (Programming, Geographic Information System, Computer-Aided Modeling and Design, Animation, Graphic Design, Digital Filmmaking, Network Design and Maintenance, etc.). There will be a heavy focus on self-directed project-based learning, problem-solving, teamwork, collaboration with peers, and building community partnerships.

Freshman Seminar

(596410: 1 credit)

Prerequisite: None

Grade: 9

Freshman Seminar is a course designed to promote a successful transition between middle school and high school. This course will provide scholars with opportunities for academic enrichment and assistance, as well as improve social, organizational, and communication skills. This course also allows for JHS Career Pathways Explorations, ensuring scholars are prepared for Career Academy selection.

GT Seminar

(596109, 596110, 596111, 596112: 1 credit)

Prerequisite: Placement

Grades: 9-12

Identified students in the Gifted and Talented program are allowed to enroll in this course. Their normal curriculum is expanded in this class and they are presented with hands-on activities that expand their learning.

JAG Work-Based Learning

(493800: 1 credit)

Grade Range: 11 - 12

This course assists students in soft-skills and career development training to attain and maintain a job after high school. However, credit may be given for student work at the discretion of the individual school district. Credit is given by using the teacher supervised JAG Work-Based Learning course code. Concurrent enrollment in the JAG class is required for enrollment in JAG Work-Based Learning. Schools that grant credit for work-based learning shall follow the course credit guidelines for the CTE Internship program. Participants should be expected to complete 180 hours of work-based learning to receive one credit-with a maximum of four credits for completing 720 hours of work study within a consecutive two-year period.

Student Aide (Counselors)**(99983G: 0 credits)****Prerequisite: Counselor approval****Grades: 11-12**

The goal for this course is to help students develop into mature, productive, responsible members of the community. Working within the school setting helps students work habits, improve communication skills, and develop a sense of responsibility.

TRANSITION I-III**(971570, 971580, 971590: 1 credit)****Prerequisite: teacher recommendation****Grades: 9-12**

A course designed to help students prepare for life after graduation, focusing on developing the academic, vocational, and life skills needed for post-secondary education, employment, or independent living.

SUCCESS-READY PATHWAYS

Every student in Arkansas should graduate from high school “success-ready” with the knowledge, skills, abilities, and habits to succeed on their chosen path, with options including **enrollment** in a postsecondary training or degree program, **enlistment** in military service, and **employment** in a career that provides a family-sustaining wage.

Beginning with the entering ninth-grade class of 2024-25, all students will have the benefit of flexible college and career readiness pathways to guide high school course selection and progress toward high school graduation. These success-ready pathways are encouraged to be used to guide the purposeful selection of courses toward a student’s postsecondary aspirations and career goals - as part of their career focused electives and student success planning. Completion of a success-ready pathway leads to eligibility to earn State Distinction, by demonstrating readiness at the culmination of that pathway. Schools will have an opportunity to earn points in accountability for students graduating with merit or distinction.

Diploma - Graduation Requirements for All Students

- Student Success Plans - Established by 8th grade and updated annually to inform course selection throughout a student’s middle and high school years.
- Academic Core Courses - Academic preparation required for all students with flexibility to pursue personal interests and future goals.
- Purposeful Courses in a Success Ready Pathway - Career focused credits, fine arts, career and technical education, and advanced academic courses purposefully selected to build a pathway to a student’s unique postsecondary and career aspirations.

Diploma with Merit

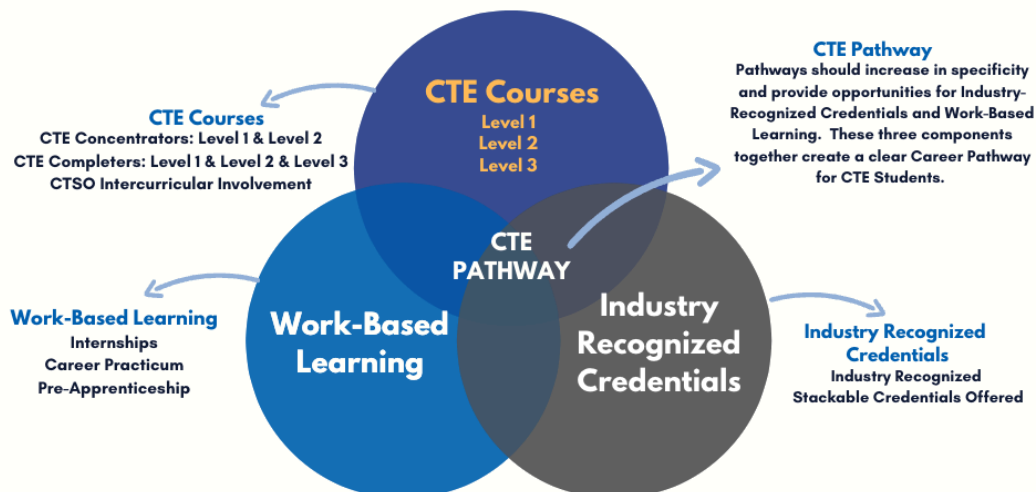
Students who have exceeded standard graduation requirements to a diploma with merit:

- Postsecondary credits (AP, IB, CE, etc.)
- Credential of Value in high-wage, high-demand career field
- Seal of Biliteracy

Diploma with Distinction

Students who have earned merit and have completed an:

- Associates Degree
- AICE diploma
- IB diploma
- AP Scholar with Distinction
- Youth Apprenticeship leading to Registered Apprenticeship



CAREER PATHWAY PROGRAM



The vision of the JHS Career Pathway Program is that all scholars will possess the knowledge and skills necessary to successfully integrate into college and/or the career of their choice while achieving the highest levels of academic success and promotion within their workforce careers.

Academy: Health and Safety	Academy: Building, Automotive & Design	Academy: Service, Sales & Marketing
<u>Program of Study:</u> Air Force JROTC (DESE: Air Force JROTC)	<u>Program of Study:</u> Architecture & Civil Engineering (DESE: Architectural CAD)	<u>Program of Study:</u> Banking (DESE: Banking)
<u>Program of Study:</u> Cybersecurity (DESE: Information Technology & Security)	<u>Program of Study:</u> Automotive Service Technology (DESE: Automotive Service Technology)	<u>Program of Study:</u> Culinary Arts (DESE: Culinary Arts)
<u>Program of Study:</u> Criminal Justice (DESE: Criminal Justice)	<u>Program of Study:</u> Welding (DESE: Welding)	<u>Program of Study:</u> Pre-Educator (DESE: Pre-Educator)
<u>Program of Study:</u> Health Care Services (DESE: Nursing Services)		



CTE COMPLETER

A CTE Program of Study Completer is a student who completes at least three (3) courses in a single career and technical education program of study in sequential order. Although industry-recognized certifications are an expectation when completing a program or program of study, students may still be recognized as a completer if they do not attain an industry-recognized certification. This includes the courses at Level 1, Level 2, and Level 3 within an approved single program of study. A CTE completer is a student who has completed three (3) courses within a career cluster.

HEALTH & SAFETY

Pathway	Level 1	Level 2	Level 3
Cybersecurity	Introduction to Computer Science	Information Technology & Security	Cybersecurity
Criminal Justice	Introduction to Criminal Justice	Criminal Justice I	Criminal Justice II
Cybersecurity	Cybersecurity I	Cybersecurity II	Cybersecurity III
AFJROTC	JROTC I	JROTC II	JROTC III
Health Care Services	Introduction to Health Care	Medical Terminology	Patient Care Technician OR First Responder OR Medical Lab Tech

BUILDING, AUTOMOTIVE, & DESIGN

Pathway	Level 1	Level 2	Level 3
Architecture & Civil Engineering	Introduction to Architecture	Architecture I	Architecture II
Automotive Service Technology	Automotive Service Tech I	Automotive Service Tech II	Automotive Service Tech III
Welding	Introduction to Advanced Manufacturing	Welding I (ASU Beebe)	Welding II (ASU Beebe)

SERVICE, SALES, & MARKETING

Pathway	Level 1	Level 2	Level 3
Banking	Introduction to Business	Banking & Finance I	Banking & Finance II
Culinary Arts	Food Safety & Nutrition	Culinary Arts I	Culinary Arts II
Pre-Educator	Introduction to Education	Education Technology	Child Growth & Development

CAREER FOCUS ELECTIVES COURSE DESCRIPTIONS

HEALTH & SAFETY ACADEMY

INFORMATION TECHNOLOGY & SECURITY

Introduction to Computer Science

(465000: 1 credit)

Prerequisite Course Codes: None

Grade Range: 8 - 12

This course provides an introduction to computer science, encompassing programming concepts, career paths, and computational thinking. Students will explore data analysis, visualization, and emerging technologies in the field of computer science.

Information Technology & Security

(465180: 1 credit)

Prerequisite Course Codes: 465000

Grade Range: 9 - 12

The Information Technology and Security course builds upon the foundational knowledge gained in the introduction to Computer Science course. It provides students with a comprehensive understanding of IT systems, networking basics, and cybersecurity principles. This course serves as a bridge between introductory computer science concepts and more advanced topics in networking and cybersecurity, preparing students for potential specialization in these areas in their third year.

Cybersecurity

(465290: 1 credit)

Prerequisite Course Codes: 465000, 465180

Grade Range: 9 - 12

The Cybersecurity course provides students with a comprehensive foundation in cyber principles and practices. Through hands-on experience with industry tools and real-world scenarios, students learn threat analysis, vulnerability assessment, and network security, and incident response. The course emphasizes both technical skills and professional ethics, preparing students for entry-level cybersecurity positions and further specialization in the field.

AP Computer Science Principles

(565030: 1 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

Introductory college-level computing course introducing the breadth of the field of computer science. Design and evaluate solutions and apply computer science to solve problems through the development of algorithms and programs. Incorporate abstraction into programs and use data to discover new knowledge. Explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

CRIMINAL JUSTICE

Introduction to Criminal Justice

(494620: 1 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

This course provides the historical background of the agencies that compose the criminal justice system. It focuses on the development of justice and law, crime and punishment, the administration of laws, the agencies' functions, career orientation, and public relations.

Criminal Justice I

(494600: 1 credit)

Prerequisite Course Codes: 494620

Grade Range: 9 - 12

This course is designed to teach students the necessary background and practical skills to function as law enforcement officers. Topics reviewed in lecture and in applied exercises include administration of justice, basic law and procedures and patrol functions.

Criminal Justice II

(494610: 1 credit)

Prerequisite Course Codes: 494620, 494630

Grade Range: 9 - 12

The course provides students with methods and procedures employed in a crime scene investigation from discovery of evidence to its presentation in courts of law. Topics include how to secure a crime scene, how to recognize various types of forensic evidence, how to collect, and preserve evidence. The topic of how to maintain a chain of custody and avoid contamination of physical evidence and biological specimens while gathering, transporting, and analyzing each item found at a scene.

AIR FORCE JROTC

Air Force JROTC I

(495760: 1 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

AFJROTC I is for first year cadets. The AFJROTC program is a citizenship, character development, and leadership program designed to teach life skills. It is a cadet-led organization that offers many opportunities to develop leadership and followership skills. There is no military commitment required for cadets who join AFJROTC. The program offers co-curricular activities (Drill Team, Color Guard, Marksmanship, fitness Team, etc.) and various field trips to enhance the curriculum. Cadets who successfully complete one semester of AFJROTC can receive credit for Health or Physical Education. (Refer to the HEALTH/PHYSICAL EDUCATION section of this catalog). Counselors can provide more details concerning those options.

Air Force JROTC II

(495770: 1 credit)

Prerequisite Course Codes: 495760

Grade Range: 10 - 12

AFJROTC II is for second year cadets. The AFJROTC program is a citizenship, character development, and leadership program designed to teach life skills. It is a cadet-led organization that offers many opportunities to develop leadership and followership skills. There is no military commitment required for cadets who join AFJROTC. The program offers co-curricular activities (Drill Team, Color Guard, Marksmanship, fitness Team, etc.) and various field trips to enhance the curriculum. Cadets who successfully complete one semester of AFJROTC can receive credit for Health or Physical Education. (Refer to the HEALTH/PHYSICAL EDUCATION section of this catalog). Counselors can provide more details concerning those options.

Air Force JROTC III**(495780: 1 credit)****Prerequisite Course Codes: 495770****Grade Range: 11 - 12**

AFJROTC III is for third year cadets. The AFJROTC program is a citizenship, character development, and leadership program designed to teach life skills. It is a cadet-led organization that offers many opportunities to develop leadership and followership skills. There is no military commitment required for cadets who join AFJROTC. The program offers co-curricular activities (Drill Team, Color Guard, Marksmanship, fitness Team, etc.) and various field trips to enhance the curriculum. Cadets who successfully complete one semester of AFJROTC can receive credit for Health or Physical Education. (Refer to the HEALTH/PHYSICAL EDUCATION section of this catalog). Counselors can provide more details concerning those options.

Air Force JROTC IV**(495880: 1 credit)****Prerequisite Course Codes: 495780****Grade Range: 12 - 12**

AFJROTC I is for fourth year cadets. The AFJROTC program is a citizenship, character development, and leadership program designed to teach life skills. It is a cadet-led organization that offers many opportunities to develop leadership and followership skills. There is no military commitment required for cadets who join AFJROTC. The program offers co-curricular activities (Drill Team, Color Guard, Marksmanship, fitness Team, etc.) and various field trips to enhance the curriculum. Cadets who successfully complete one semester of AFJROTC can receive credit for Health or Physical Education. (Refer to the HEALTH/PHYSICAL EDUCATION section of this catalog). Counselors can provide more details concerning those options.

HEALTH CARE SERVICES

Introduction to Health Care**(495350: 1 credit)****Prerequisite Course Codes: None****Grade Range: 9 - 12**

The Introduction to Health Care course is designed for students interested in the medical field. This class includes both theory-based and practicum instruction that exposes students to various medical careers and the basic foundational skills for first aid and the treatment of patients.

Medical Terminology**(495360: 1 credit)****Prerequisite Course Codes: 495350****Grade Range: 9 - 12**

This course builds skills in pronouncing, spelling, and defining new words encountered in verbal and written information. Students have the opportunity to acquire skills in interpreting medical records and communications accurately and logically. Emphasis is on forming a foundation for a medical vocabulary including meaning, spelling, and pronunciation. Medical abbreviations, signs, and symbols are included.

First Responder**(494140: 1 credit)****Prerequisite Course Codes: 494620 and 494630, or 495350 and 495360****Grade Range: 9 - 12**

It is obvious that First Responders provide a service in an environment requiring special skills and knowledge. They also serve as liaisons with other emergency services. This course provides an introduction to these concepts. Individual orientation to the specific systems and services with which the First Responder will be affiliated is necessary to achieve a full level of competency within a specific organization.

Patient Care Tech**(495310: 3 credits)****Prerequisite Course Codes: 495350, 495360****Grade Range: 11 - 12**

This course follows the requirements and guidelines set forth by the Department of Health and Human Services, a division of the Office of Long-Term Care. Students develop patient care skills such as bathing, dressing, toileting, and feeding. Instruction is done through theory; classroom, lab and 16 hours of clinical training in a long-term care facility. Upon completion of the course, a certification exam will be offered to eligible students through the Office of Long-Term Care. Good attendance is absolutely necessary. Professionalism is a must.

Medical Lab Tech**(495710: 1 credit)****Grade Range: 9 - 12**

This course prepares the PCT student to work closely with the health care team. Academic units include ethics, laws, communication, understanding patients, culture, patient rights, body structure and function, growth development and pathology. Skill attainment includes safety, infection control, moving and transfers, vital signs, patient care, comfort, hygiene, grooming, nutrition and fluids, elimination, specimen collection, and EKG.

Medical Procedures Expanded**(495390: 0.5 credit)****Prerequisite Course Codes: 495350, 495360**

Grade Range: 9 - 12 The Medical Procedures Expanded course focuses on the specific skills needed in several different areas of entry-level positions in health care. Students are able to build upon the skills gained in Medical Procedures. The different skill areas addressed are: dental assisting, laboratory assisting, medical assisting, nurse assisting, physical therapy assisting, and veterinary assisting.

Pathology**(495290: 0.5 credit)****Prerequisite Course Codes: 495350, 495360****Grade Range: 9 - 12**

This course is devoted to the exploration of human pathology. Pathology is the branch of medical science that studies the causes, nature, and effects of diseases. This course of study begins with an introduction to pathology-related terms, predisposing factors of diseases, the relationship between diagnosis and prognosis, and disease treatments. Following the introduction, the course delves into a range of pathology-related topics and their relationships to specific systems of the human body. The topics include signs and symptoms of pathology, the effects of trauma, the effects of age, and characteristics of common diseases.

BUILDING, AUTOMOTIVE & DESIGN ACADEMY

ARCHITECTURE & CIVIL ENGINEERING

Introduction to Architecture & Civil Engineering

(494700: 1 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

This course focuses on the basic knowledge and skills required to produce engineering and architectural drawings. Emphasis is given to the development of competencies related to the use of drafting equipment, the production of beginning level engineering drawings and the production of beginning level architectural drawing.

Architecture I

(494710: 1 credit)

Prerequisite Course Codes: 494700

Grade Range: 10 - 12

Architecture I focuses on the knowledge and skills required to plan and prepare scale pictorial interpretations of plans and design concepts for residential buildings. Emphasis is given to the development of competencies related to solving drafting and design problems that require the individual to understand and apply a wide range of technical knowledge and critical thinking skills.

Architecture II

(494730: 1 credit)

Prerequisite Course Codes: 494700, 494710

Grade Range: 11 - 12

Architecture II focuses on the knowledge and skills required to plan and prepare scale pictorial interpretations of plans and design concepts for residential buildings. The course is designed to allow the student to produce drawings as traditional drawings or advanced use of various CAD software to produce drawings.

AUTOMOTIVE SERVICE TECHNOLOGY

Automotive Service Technology I

(494180: 1 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

The students will learn to diagnose and repair drum and disc brake systems. Also covered will be diagnosing and repairing the entire hydraulic brake system, which will include the master cylinder, lines, proportioning valves and stop light operation. The student will learn to diagnose and repair power assist units. Finally, this course will cover diagnosis and service of wheel bearings, to include how to replace bearings and races, as well as clean, repack and adjust wheel bearing preload.

Automotive Service Technology II

(494190: 1 credit)

Prerequisite Course Codes: 494180

Grade Range: 9 - 12

This course prepares individuals to engage in the diagnosis and repair of Electrical/Electronic Systems. Instruction will include units on general electrical system diagnosis and service.

Automotive Service Technology III

(494200: 1 credit)

Prerequisite Course Codes: 494180, 494190

Grade Range: 9 - 12

In this course the student will learn the theory, operation, and diagnosis of vehicle ignition and emission control systems. This includes catalytic converters, and computer-controlled ignition systems. This course meets all applicable National Automotive Technicians Education Foundation standards.

WELDING

Introduction to Advanced Manufacturing

(495570: 1 credit)

Prerequisite Course Codes: 495570, 495580

Grade Range: 9 - 12

The Introduction to Advanced Manufacturing course is designed to introduce students to many different types of manufacturing and machining-related career fields. Students will increase knowledge of the job skills that align with the different types of manufacturing processes, equipment and products that are produced by companies within the manufacturing and machining industries. Students will also gain valuable skills related to safety, proper use of equipment, communication, work ethics and other effective career skills that will be expected within the workplace.

Welding I (concurrent credit)

(594430: 1 credit)

Prerequisite Course Codes: 495570

Grade Range: 9 - 12

A program that prepares individuals to apply technical knowledge and skills to join or cut metal surfaces. Includes instruction in arc welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards.

Welding II (concurrent credit)

(594440: 1 credit)

Prerequisite Course Codes: 495570, 594430

Grade Range: 9 - 12

This course prepares individuals to apply technical knowledge and skills to join or cut metal surfaces. Includes instruction in Gas Tungsten Welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards.

SERVICE, SALES & MARKETING ACADEMY

BANKING

Introduction to Business

(492120: 1 credit)

Prerequisite Course Codes: None

Grade Range: 9 - 12

This course is designed to introduce students to business and marketing programs of study and related technology to help students succeed in business and marketing careers. The clusters and related programs of study are: Business Management & Administration: Management, Medical Office Administration, and Office Administration; Finance: Accounting, Banking, and Business Finance; Hospitality and Tourism: Hospitality and Tourism; Marketing, Sales and Service: Digital Marketing, (Retail Management; and Transportation, Distribution, and Logistics: Supply Chain and Logistics. Using industry-recognized software (i.e., Microsoft), students will focus on skills in word processing, spreadsheets, presentations, and as they relate to business and marketing careers.

Banking & Finance I

(492090: 1 credit)

Prerequisite Course Codes: 492120

Grade Range: 9 - 12

Banking & Finance I is a one-year course that provides an introduction to banking services and financial institutions. Students will study principles of banking transactions and the services of a bank. Topics include soft skills in the workplace; history of banking; federal reserve; banking laws, ethics, and banks as business; banking services; bank security; ten-key touch; and banking transactions.

Banking & Finance II

(490860: 1 credit)

Prerequisite Course Codes: 492120, 492090

Grade Range: 10 - 12

This two-semester course addresses all aspects of consumer and commercial lending as well as financial and insurance statements. Other topics addressed in this course include managing loan files, assessing risk in lending, understanding issues of regulation and compliance, bankruptcy, credit reports, and appraisals.

Personal Finance

(491990: 0.5 credit)

Grade Range: 9 - 12

This is a one-semester course designed to increase personal finance knowledge and skills and prepare students to successfully manage financial resources. This course also focuses on the individual's role and financial responsibilities as a student, citizen, consumer, and active participant in the business world. Emphasis is also placed on activities and competitions within career and technical student organizations (i.e., FBLA, FCCLA, and DECA). This course is aligned with and will satisfy the requirements set forth in Arkansas Act 480.

CULINARY ARTS

Food Safety and Nutrition

(493110: 1 credit)

Prerequisite Course Codes: 493080

Grade Range: 9 - 12

Experiences in the Food and Nutrition course focus on the development of skills needed to select, prepare, and serve food which meets nutritional needs of individuals and families. Upon completion of this course, students

should be able to apply sound nutritional practices, which will have a positive effect on their health.

Culinary Arts I

(493260: 1 credit)

Prerequisite Course Codes: 493110

Grade Range: 10 - 12

Culinary Arts I is a one-year course designed to expand students' knowledge in the culinary arts profession. The course emphasizes the study of kitchen staples, principles of cooking, soups, stocks and sauces, dairy products, eggs, fruit and vegetables, grains and pasta cookery, meat cookery and principles of baking. Upon completion of this course, students should have attained basic skills needed for entry-level employment in the food service industry, customer relations, purchasing and storage of foods, cooking techniques and principles of baking.

Culinary Arts II

(493270: 1 credit)

Prerequisite Course Codes: 493110, 493260

Grade Range: 11 - 12

Culinary Arts II is a one-year course designed to expand students' knowledge in the culinary arts profession. Emphasis is on the study of sauces, garde-manger, advanced meat preparation, advanced poultry preparation, fish and shellfish, candy making, chocolate, advanced baking and pastries, plating, presentation and garnishing, and career opportunities. Upon completion of this course, students should have obtained the basic skills needed for employment in the food service industry or further education in culinary arts.

PRE-EDUCATOR

Introduction to Education

(493240: 1 credit)

Prerequisite Course Codes: None

Grade Range: 10 - 12

Introduction to Education is designed with the intent to prepare high school students to become prospective Arkansas teachers. Students in this course will study the foundations of American education including important historical moments and Acts, professional behavior, student needs and diversity, instructional methods, communication strategies for all stakeholders, and reflective practices to support learning. Students will collaborate with an Arkansas teacher to actively participate in classroom observations and field experience opportunities.

Education Technology

(493290: 1 credit)

Prerequisite Course Codes: 493240

Grade Range: 11 - 12

Education Technology is a project-based course that introduces students to the role of technology in the classroom. Students will explore various technologies being used as digital learning tools in multiple modes of learning including online, face-to-face, and hybrid classroom environments. This course will expose students to the skills and strategies needed to integrate technology into the classroom, develop methods of digital communication and collaboration, support practices for digital citizenship, and reflect on their own performance in a digital environment. Students are expected to gain field experience by completing classroom observations, both online and face-to-face, with a licensed Arkansas teacher and to complete an initial Google certification to become a Google certified Educator.

Child Growth and Development

(493020: 1 credit)

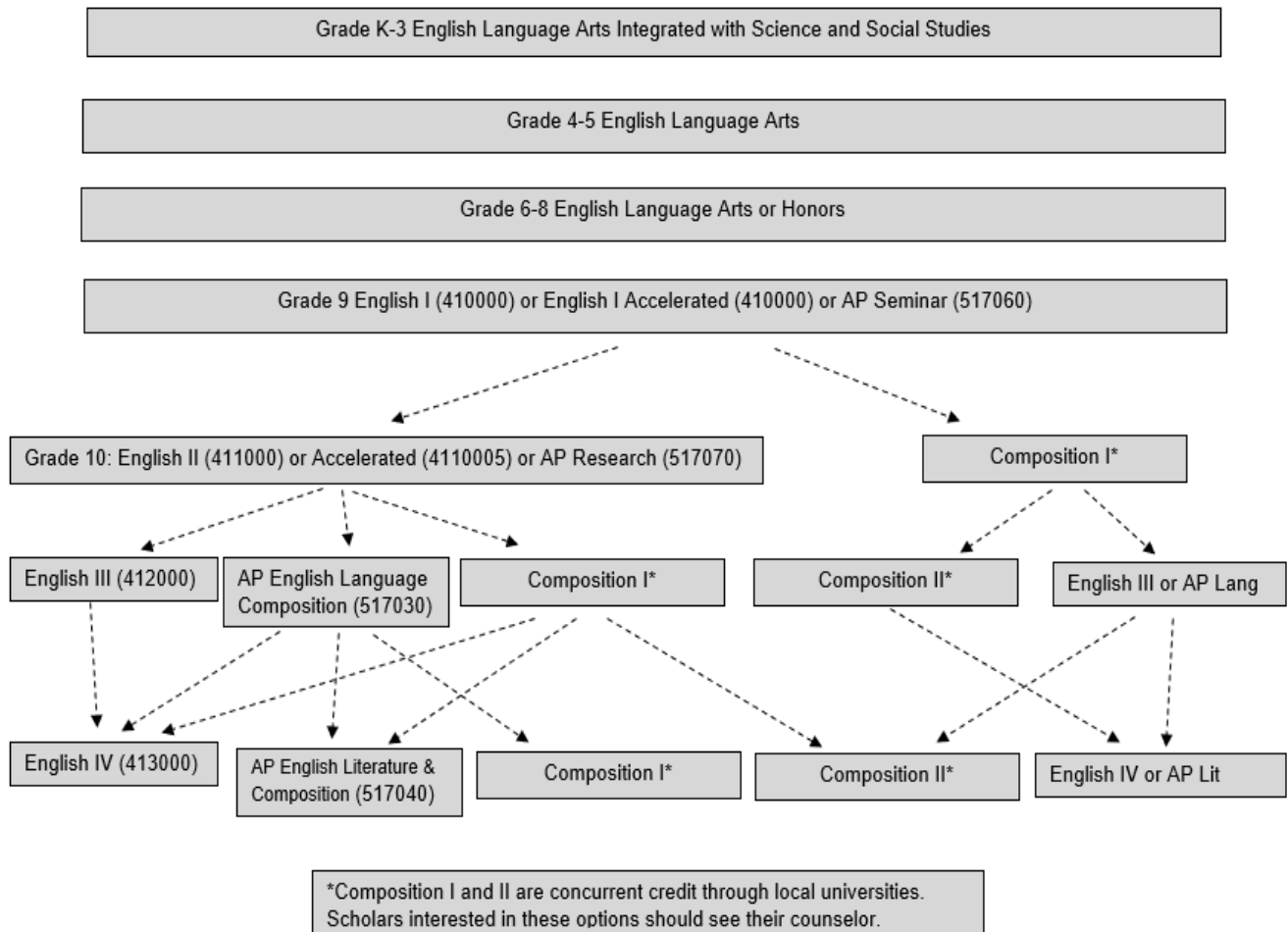
Prerequisite Course Codes: 493240, 493290 or 493080

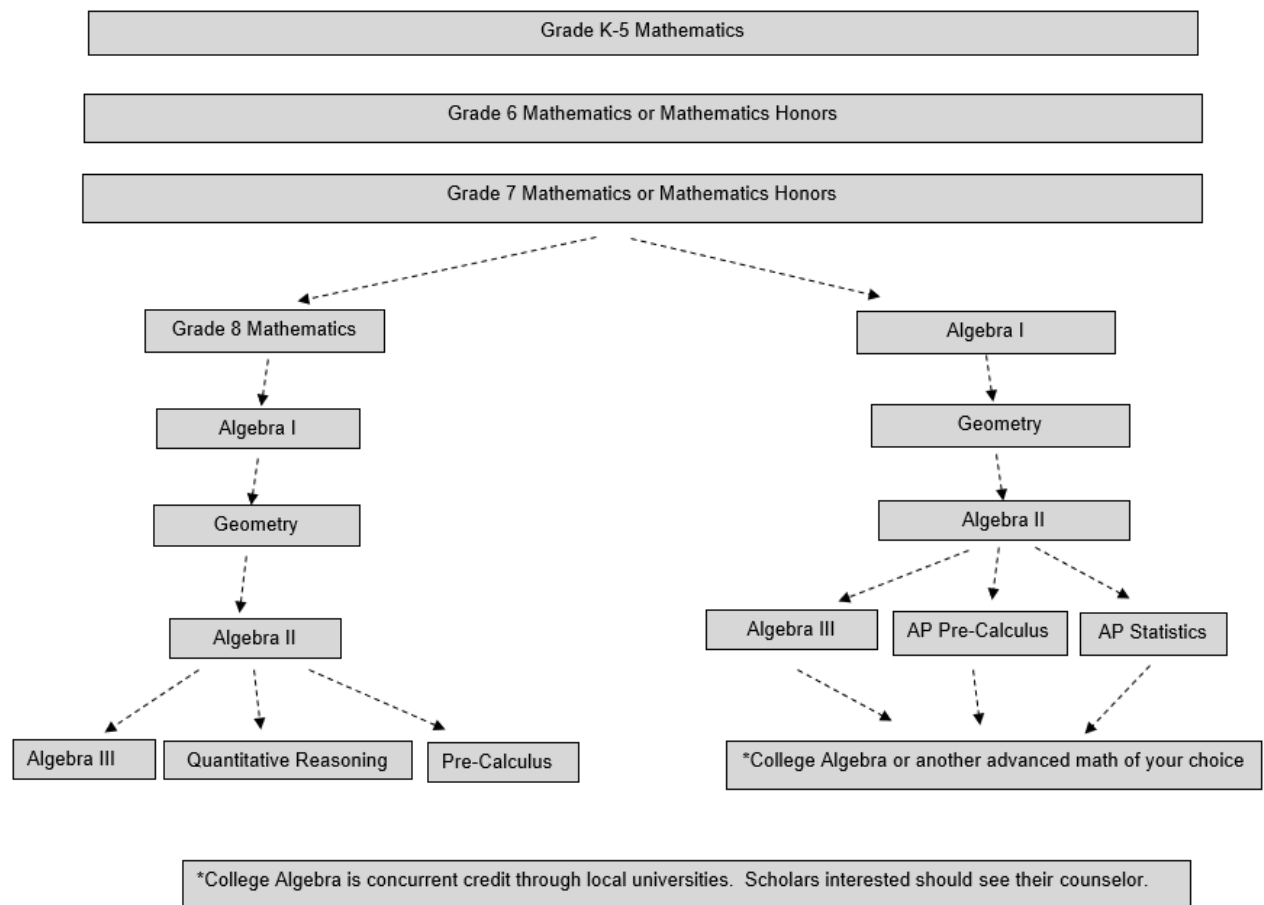
Grade Range: 9 - 12

Focuses on skills needed to guide the physical, cognitive/intellectual, emotional, and social development of children. The development of career-ready skills related to pregnancy and prenatal development, types and stages of child growth and development, needs of children, factors influencing the behavior of children, children with special needs, coping with crises, the effects of technology on child development, and careers related to the area of child development. Skills of the parenting process and parenting skills, costs related to

raising children, resources available to parents, and factors to consider when selecting childcare and education options.

COURSE PROGRESSIONS





Grade K-3 Science integrated with Literacy

Grade 4 Science

Grade 5 Science

Grade 6 Science

Grade 6 Science Honors

Grade 7 Science

Grade 7 Science Honors

Grade 8 Science

Physical Science Integrated

High school science courses are not sequential but this is the suggested sequence.

Physical Science Integrated

Biology Accelerated

Biology

Chemistry Accelerated or AP Biology

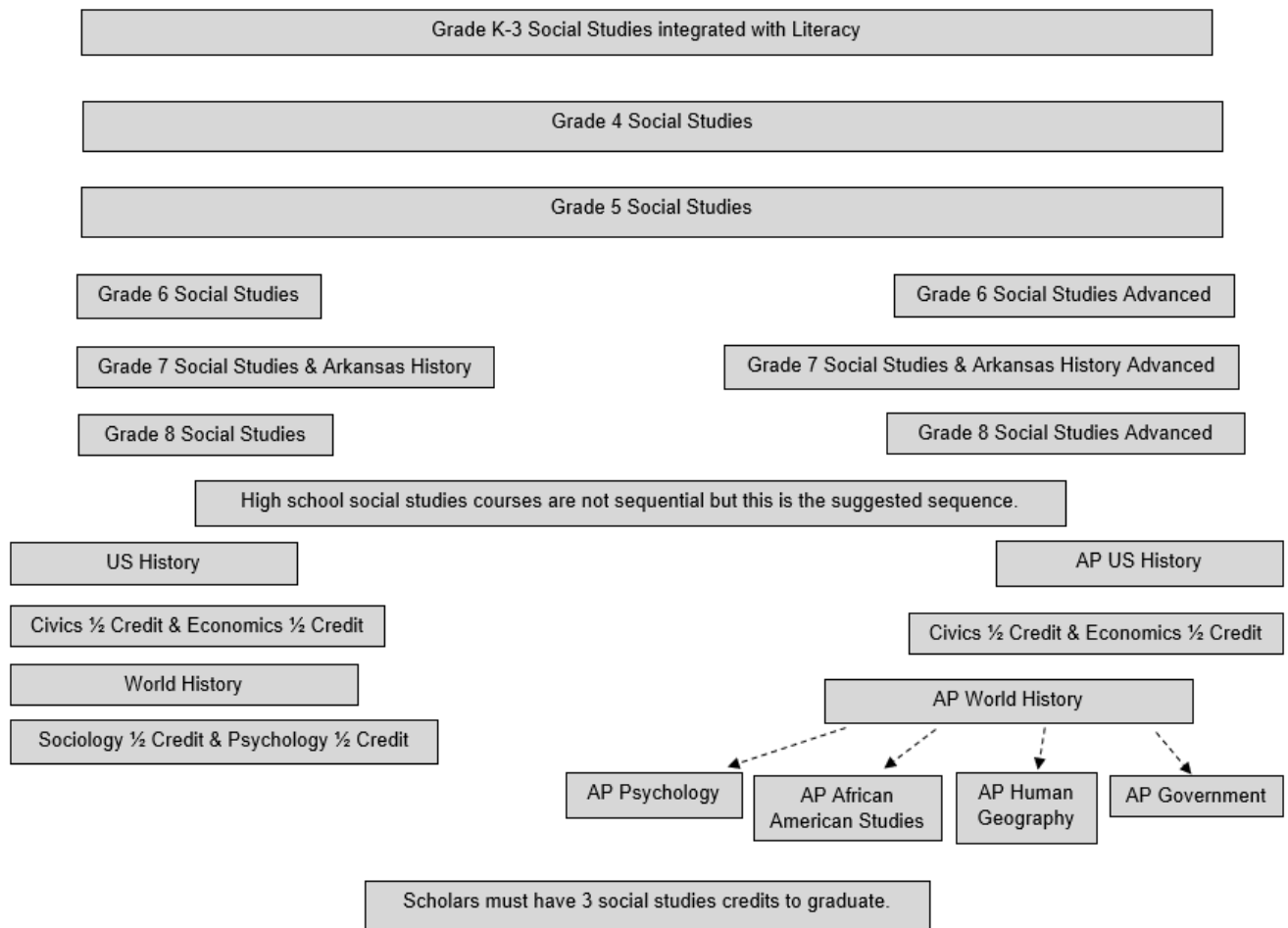
Chemistry or Anatomy/Physiology

AP Chemistry or Anatomy/Physiology

Environmental Science or Physics

AP Physics

Scholars must have 3 science credits to graduate.



APPENDIX A

Alternate Pathway to Graduation

Minimum Graduation Requirements

English - 4 credits

- English Exploration 9
- English Exploration 10
- English Exploration 11
- English Exploration 12

Mathematics - 4 credits

- Math Exploration I
- Math Exploration II
- Math Exploration III
- Math Exploration IV

Science - 3 credits

- Science Exploration I
- Science Exploration II
- Science Exploration III

Social Studies - 3 credits

- US History Exploration
- World History Exploration
- Civics Exploration - ½ credit
- Economics, Personal Finance, and Financial Literacy Exploration - ½ credit

Oral Communication - ½ credit

Health and Safety - 1 credit

Fine Arts - ½ credit

6 Additional Credits

Additional Requirements

- Regarding the Arkansas Civics exam, IEP teams will determine if a student with an IEP is exempted in accordance with the student's individualized education program.
- Career Focus - one transition-focused course each year (Community service may be embedded.)
- Students will have to meet the computer science requirement in order to graduate.