



# Virtual Arkansas Course Catalog

2016 – 2017

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## ADVANCED PLACEMENT

### **517030 AP ENGLISH LANGUAGE AND COMPOSITION MAY BE OFFERED FOR WEIGHTED CREDIT TERM: YEAR-LONG CREDIT: 1**

This AP course in English Language and Composition engages students in becoming skilled readers of NONFICTION prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. This course emphasizes the development and use of critical thinking skills. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. The college composition course for which the AP English Language and Composition course substitutes is one of the most varied in the curriculum.

### **517040 AP ENGLISH LITERATURE AND COMPOSITION MAY BE OFFERED FOR WEIGHTED CREDIT TERM: YEAR-LONG CREDIT: 1**

This course is designed to comply with the curricular requirements described in the AP English Course Description. This course emphasizes the development and use of critical thinking skills. Students will be reading at an accelerated pace and writing on a weekly basis. American and British poetry and literature will be the emphasis of study throughout the course. Students must be willing to sacrifice several hours a week to this course in order to succeed. This course is designed to introduce students to the rigor and expectations of the college level English course.

### **523030 AP ENVIRONMENTAL SCIENCE MAY BE OFFERED FOR WEIGHTED CREDIT TERM: YEAR-LONG CREDIT: 1**

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science.

### **534040 AP CALCULUS AB MAY BE OFFERED FOR WEIGHTED CREDIT TERM: YEAR-LONG CREDIT: 1**

This course will focus on Functions, Graphs, and Limits; Asymptotic and unbounded behavior; Continuity as a property of functions; the concept of the derivative; Derivative at a point; Derivative as a function; Second derivatives; Applications of derivatives; Computation of derivatives; Interpretations and properties of definite integrals; Applications of integrals; Fundamental Theorem of Calculus; Techniques of anti-differentiation; Applications of anti-differentiation; Numerical approximations to definite integrals. This course is considered a fifth high school math course and should be taken after successful completion of Algebra I, Geometry, Algebra II and Pre-Calculus with Trigonometry.

### **560050 AP COMPUTER SCIENCE A MAY BE OFFERED FOR WEIGHTED CREDIT TERM: YEAR-LONG CREDIT: 1**

The goals of the AP Computer Science A course are comparable to those in the introductory course for computer science majors offered in many college and university computer science departments. It is not expected that all students in the AP Computer Science A course will major in computer science at the university level. The AP Computer Science A course is intended to serve both as an introductory course for computer science majors and as a course for people who will major in other disciplines and want to be informed citizens in today's technological society.

### **570020 AP UNITED STATES HISTORY MAY BE OFFERED FOR WEIGHTED CREDIT TERM: YEAR-LONG CREDIT: 1**

This challenging course is designed to provide a college-level experience and prepare students for the AP exam in early May. Over two 18 week semesters, the students are engaged in a wide variety of activities, with substantial emphasis on interpreting documents, writing analytical essays, and mastering factual content. Woven into the chronology of the course are the key themes of American History. Issues of American identity, diversity, religion and culture are examined. Economic transformations, the development of political institutions and reform movements are evaluated. War, slavery, and demographic changes are assessed. Globalization and environmental issues are analyzed. These themes appear consistently in the course as the student journeys through broader course topics such as colonial and antebellum life, civil war and reconstruction, the gilded age and on to modern America.

**571020 AP WORLD HISTORY****MAY BE OFFERED FOR WEIGHTED CREDIT****TERM: YEAR-LONG****CREDIT: 1**

The AP World History course will develop students' knowledge and understanding of global historical events, processes and interactions between civilizations and societies. Students will prepare for the rigors of college coursework, and the AP World History Exam. The AP World History course uses a skills-based thematic approach organized by historical periods with reoccurring themes. Historical thinking skills are taught throughout the course using the context and content of world history themes and overlapping, approximate time periods.

**572040 ADE ENHANCED AP UNITED STATES GOVERNMENT & POLITICS****TERM: YEAR-LONG****CREDIT: 1**

ADE Enhanced AP United States Government and Politics includes both the study of general concepts used to interpret United States politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute US politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes as they study the following topics: constitutional underpinnings of United States government, political beliefs and behaviors, political parties, interest groups, and mass media, institutions of national government, public policy, civil rights and civil liberties, state and local government, and Arkansas laws affecting juveniles. The course is intended to provide the scope and academic challenge expected at the college level. It prepares students to take the AP United States Government and Politics exam. This course stresses critical thinking and applications, textbook readings, projects, and use of performance-based/open-ended assessments with rubrics.

Students who successfully complete the ADE Enhanced AP United States Government and Politics course may receive academic credit for Civics in meeting state graduation requirements.

## COMPUTER SCIENCE

**460020 ESSENTIALS OF COMPUTER PROGRAMMING****TERM: YEAR-LONG****CREDIT: 1**

Essentials of Computer Programming is a course for students with no formal computer programming experience. Students will spend the majority of time coding to solve real-world problems in a collaborative environment. The course focuses on developing computational thinking, refining problem-solving skills, and applying key programming concepts. Throughout the course, students will use developmentally appropriate and accurate terminology when communicating about technology. Essentials of Computer Programming does not require additional Arkansas Department of Education approval.

## ELECTIVES

**496030 TRANSITIONAL LITERACY READY****DOES NOT FULFILL THE 12<sup>TH</sup> GRADE ENGLISH REQUIREMENT****TERM: YEAR-LONG****CREDIT: 1**

This course is an innovative, dynamic course built to help students master the literacy skills needed for three core subject areas — English, social science and science. **This course is best suited for the middle range of students, not those who can succeed in Advanced Placement courses or who are severely behind.** The course is built to engage students in real-world contexts. The lessons provide literacy strategies that allow students to read and comprehend all manner of texts and genres. The course targets students with weaknesses and college-ready skill gaps and prepares them for postsecondary-level pursuits. The units in this course are aligned to grades 11-12 of the English Language Arts CCSS for Literature and Informational Text, the Science and Technical Subjects CCSS and the History/Social Studies CCSS.

**696000 ACT PREP****TERM: FALL AND SPRING****CREDIT: .5**

The goal of ACT Prep is for all students to be unconditionally admitted to their college or university of choice. If a student has already taken the ACT, the school may place the student in the focus area that will improve the student's ACT score the next time the test is taken. Students enrolled in the Mathematics or the Scientific Reasoning and Data Analysis focus area will rotate to the other focus area at the end of the nine-week session. Students enrolled in the English Reading and Grammar focus area will remain in this section for entire semester.



To receive the ½ unit of credit, a student must remain in the course for the full semester. Students may earn up to 1 unit by completing all four focus areas, either in one semester or during the full academic year. The course is designed to comply with all the curricular requirements of the American College Testing Program (ACT). **ABOVE STATE REQUIREMENTS.**

## ENGLISH LANGUAGE ARTS

### 41000 ENGLISH 9

**TERM: YEAR-LONG CREDIT: 1**

Students take a journey through important concepts—the Unknown, Equality, Identity, Opportunity, and Understanding—to learn the foundations of communication and analysis. In each unit of the course, students explore a variety of STEM-related literature, including genre fiction, poetry, non-fiction, and speeches. Through the study of this writing, students hone their own skills in communication and analysis.

To facilitate engagement and academic responsibility, students are encouraged to make choices at different points in the course. Most notable is the novel unit, in which students must select their book from a list of titles available. This practice gives ownership to the student and places each learner in a position to develop a deeper appreciation of reading.

### 411000 ENGLISH 10

**TERM: YEAR-LONG CREDIT: 1**

English 10 is taught using a variety of literary works: novels, plays, non-fiction, poetry, and short stories. Within the study of literature, students will learn to write various modes of discourse. This will include writing analytical, evaluative and reflective essays. Speaking, the study of grammatical conventions, and vocabulary development are an integral part of the course.

### 412000 ENGLISH 11

**TERM: YEAR-LONG CREDIT: 1**

In this English course, the writing and insights of authors throughout our history are collected in the fast-paced pages of The Virtual Times. Students gain an appreciation of American literature and the ways it reflects the times in which it was written. They discover how people thought and lived and wrote about their experiences. Students are also asked to observe, investigate, and report on stories of today. The goal is for students to be thorough, accurate, and compelling in their writing.

### 413000 ENGLISH 12

**TERM: YEAR-LONG CREDIT: 1**

In English 12, students select which path they will travel first while exploring highly engaging thematic units. Each path guides students through a series of literary pieces, allowing students to analyze the political, social, economic, and cultural messages of the time as well as the relevance of the literary works to the world students live in today.

The works in the course span a period of over 1000 years and have been written by authors who share common ideas but use a variety of literary genres to express their views. Whether it is the dramatic ending of a play or the colorful images in a verse of poetry, the words of these authors give students a new understanding of the world around them.

### 414000 ORAL COMMUNICATION

**TERM: FALL AND SPRING CREDIT: .5**

The one-semester Oral Communication course will provide students with an understanding of the dynamics of effective communication when speaking, listening, and responding. Students will express ideas and present information in a variety of communication tasks including small group discussion, formal and informal presentations, and oral interpretation of literature. Students will develop basic communication competencies including ethical practices in communication; recognition of communication barriers; and effective use of interpersonal communication, listening, verbal and nonverbal messages, and use of digital media.

**415000 JOURNALISM I****TERM: YEAR-LONG CREDIT: 1**

Understanding the role of the free press in America helps us to be better informed and more able to analyze media. In this course, students will explore the history of journalism in the United States from its inception in the colonies and its key role in the first amendment, all the way up to present day issues regarding “right to know” and the changing landscape of journalistic media in the 21st century. Students will acquire the skills and information needed to actively participate in the consumption, analysis, and creation of news media and will have the opportunity to investigate the constantly evolving career opportunities within the field of journalism.

**416000 ELA DRAMA****TERM: FALL AND SPRING CREDIT: .5**

ELA Drama is designed to introduce students to the study of dramatic literature. Through the study of written plays, students will become informed, perceptive, and appreciative audience members of plays from various cultures and time periods. Students will examine and compare historical influences and contexts, universal themes in dramatic literature, and authorial treatment of tragic heroes from various literary periods. Students will demonstrate understanding of dramatic literature through creative oral and written interpretations and adaptations.

**511020 ENGLISH 10 WITH EMBEDDED ORAL COMMUNICATION****TERM: YEAR-LONG CREDIT: 1**

This course emphasizes active reading and critical thinking of literary and informational texts. Students will participate in a variety of reading, writing, speaking and listening activities designed to develop and extend their comprehension of vocabulary, grammar, mechanics, literal and symbolic meaning of texts; as well as gain an understanding of the relationships of these texts and the world around them. This course also provides students with an understanding of the dynamics of effective communication when speaking, listening, and responding. Students will express ideas and present information in a variety of communication tasks including small group discussion, formal and informal presentations, and oral interpretation of literature. This course is aligned to the ELA CCSS and Oral Communication Frameworks and fulfills 1 unit of English Language Arts and .5 unit of Oral Communication.

**FINE ARTS****450000 ART I****TERM: YEAR-LONG CREDIT: 1**

Art I is a two-semester course designed to teach students to apply the elements of art and the principles of design to the creative process. Art I students are expected to use a variety of media, techniques, processes and tools to compose original works of art that demonstrate understanding of the elements of art and principles of design, awareness of aesthetic concerns and the ability to communicate ideas through artwork. Students will critique and reflect on their artwork and the art of others. Students will exhibit artwork and will assemble portfolios that demonstrate successful completion of Art I student learning expectations. Students may not be enrolled in the second semester of Art I unless they are transferring from another district and had the first semester of Art I at the prior district.

**453100 VISUAL ART APPRECIATION****TERM: FALL AND SPRING CREDIT: .5**

Visual Art Appreciation is a one-semester course designed to develop perceptual awareness and aesthetic sensitivity, as well as a foundation for a lifelong relationship with the arts. Students will 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. The Standards for Accreditation require schools to offer a one-half unit of survey of fine arts or one-half unit of an advanced art or advanced music course. Visual Art Appreciation may be used to fulfill this requirement. Visual Art Appreciation also fulfills the requirement for one-half unit of fine arts for graduation. The course does not require Arkansas Department of Education approval.

**553010 ADE APPROVED SURVEY OF FINES ARTS – ART APPRECIATION AND AMERICAN IDENTITY****TERM: FALL AND SPRING CREDIT: .5**

How is the identity of America represented in the arts? Is it a more accurate and diverse reflection than you would find in a textbook? How has the identity of America changed throughout history? All of these questions and more will be explored in this course as you learn how to discuss and interpret paintings



**440020 SPANISH II (PREREQUISITE)****TERM: YEAR-LONG CREDIT: 1**

This is a year-long course. The purpose of the course is to strengthen Spanish listening, speaking, reading, and writing skills. Students also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world.

In Spanish II, students will travel virtually through Central America and the Caribbean, spending time in museums, traffic jams, and even the hospital. In this course, students broaden their Spanish vocabulary and their knowledge of grammar. They meet people from many different countries and cultures. While waiting for the plane ride home, students also meet some Spanish-speaking people from different parts of the United States.

**Prerequisite:** You must have received credit for both semesters of Spanish I in order to enroll in Spanish II.

**440030 SPANISH III (PREREQUISITE)****TERM: YEAR-LONG CREDIT: 1**

Spanish III is an elective course that emphasizes oral and written expression to promote more proficient Spanish communication skills. It includes the review and expansion of essential Spanish grammar and vocabulary necessary for advanced communication. Cultural and literary selections are read and discussed. Compositions reflect comprehension and an increasing understanding of the complexities of the language and vocabulary. Aural comprehension is emphasized. The course is defined by the content standards of the Arkansas Foreign Language Curriculum Framework for Spanish III and includes applications, problem solving, higher-order thinking skills, and performance-based, open-ended assessments with rubrics.

**Prerequisite:** You must have received credit for both semesters of Spanish II in order to enroll in Spanish III.

**441000 FRENCH I****TERM: YEAR-LONG CREDIT: 1**

In this course, students will begin to develop the skills needed to communicate effectively in the French language and develop an in-depth awareness of the various French-speaking cultures. Upon successful completion of this course, students will be able to understand elementary spoken French; use vocabulary for practical, everyday use; speak with comprehensible pronunciation; read and write simple French paragraphs; and discuss and demonstrate appreciation for Francophone cultures.

**441010 FRENCH II****TERM: YEAR-LONG CREDIT: 1**

In this course, students will build on skills developed in French I and continue to work on communicating effectively in the French language and increasing awareness of French-speaking cultures. Upon successful completion of this course, students will be able to understand spoken French at the novice level; use vocabulary for practical, everyday use; speak with comprehensible pronunciation; read and write simple French paragraphs; discuss and demonstrate an appreciation for Francophone cultures.

**442000 GERMAN I****TERM: YEAR-LONG CREDIT: 1**

German I stresses correct pronunciation, aural comprehension, and simple speaking ability. As communication skills develop, the course includes additional vocabulary and basic grammar necessary for limited reading and writing. The course is defined by the content standards of the Arkansas Foreign Language Curriculum Framework for German I and includes applications, problem solving, higher-order thinking skills, and performance-based, open-ended assessments with rubrics. Two years of the same foreign language is required by the Standards for Accreditation to be taught in Arkansas public high schools. German I may be used to partially fulfill this requirement. Arkansas Department of Education approval is not required.

**442010 GERMAN II****TERM: YEAR-LONG CREDIT: 1**

German II develops and expands the fundamental skills introduced in German I. Aural comprehension, pronunciation, and speaking exercises facilitate oral communication. Additional vocabulary and grammar are introduced to lead to more advanced reading and writing. Authentic reading materials and audio/video recordings enrich instruction. The course is defined by the content standards of the Arkansas Foreign Language Curriculum Framework for German II and includes applications, problem solving, higher-order thinking skills, and performance-based, open-ended assessments with rubrics. Two years of the same foreign language is required by the Standards for Accreditation to be taught in Arkansas public high schools. German II may be used to partially fulfill this requirement. German I is a prerequisite for this course. Arkansas Department of Education approval is not required.

**449010 AMERICAN SIGN LANGUAGE I****TERM: YEAR-LONG CREDIT: 1**

ASL I provides basic instruction in language usage, vocabulary, and grammar which will lead to increased communicative and cultural proficiency in ASL. The culture, history, current events, and traditions of the Deaf community are introduced through selected readings, visual recordings, and other authentic materials. Visually attending, signing, role-playing, and group activities are designed to instruct, reinforce, connect language skills, and develop signacy. This course will include applications, problem solving, higher-order thinking skills, and performance-based and project-based assessments.

**MATHEMATICS****430000 ALGEBRA I****TERM: YEAR-LONG CREDIT: 1**

Algebra I is the foundation and the skills you'll acquire in this course contain the basic knowledge you'll need for all your high school math courses. Students will be using algebra to solve hundreds of real-world problems. There are hands-on labs to make the numbers, graphs and equations meaningful. Upon completion, students will possess the skills and strategies for solving real-world applications in sports, travel, business and health.

**431000 GEOMETRY****TERM: YEAR-LONG CREDIT: 1**

Geometry has been used by man since the beginning of time. The ancient pyramids are based on geometrical design. Geometry is everywhere, not just in pyramids. Engineers use geometry to build highways and bridges. Artists use geometry to create perspective in their paintings, and mapmakers help travelers find things using the points located on a geometric grid. Throughout this course, students travel a mathematical highway illuminated by spatial relationships, reasoning, connections, and problem solving.

**432000 ALGEBRA II****TERM: YEAR-LONG CREDIT: 1**

This course builds on knowledge and skills gained from Algebra 1. Starting with a review of basic algebra, students will travel through systems of equations, factoring, radical and quadratic equations in the first segment. In the second segment, students will venture into the realms of polynomial functions, rational equations, exponential and logarithmic relations, landing at sequences and series. This course allows students to learn while having fun. Interactive examples help guide students' journey through customized feedback and praise. Prerequisite: Algebra I.

**439050 ADVANCED TOPICS AND MODELING IN MATHEMATICS****TERM: YEAR-LONG CREDIT: 1**

This course builds on Algebra I, Geometry, and Algebra II to explore mathematical topics and relationships beyond Algebra II. Emphasis will be placed on applying modeling as the process of choosing and using appropriate mathematics and statistics to analyze, to better understand, and to improve decisions in analyzing empirical situations. Collection and use of student-generated data should be an aspect of the course. Students will represent and process their reasoning and conclusions numerically, graphically, symbolically, and verbally. Students will be expected to use technology, including graphing calculators, computers, and data gathering equipment throughout the course. Prerequisites: Algebra I, Geometry, Algebra II.

**439100 COMPUTER SCIENCE AND MATHEMATICS****TERM: YEAR-LONG CREDIT: 1**

This course is designed to provide students with an opportunity to apply a mathematics background to computer science projects. Students will explore the uses of mathematics and computer programming as tools in creating workable solutions to complex problems. Student will refine fundamental skills of computer with science within a mathematical context. Throughout the year, the class will complete several independent and collaborative projects with real-world relevance.

Prerequisites: Students must have successfully completed Algebra I and Geometry. Students may be concurrently enrolled in Algebra II or have successfully completed the course.

**439110 TRANSITIONAL MATH READY****TERM: YEAR-LONG CREDIT: 1**

This course emphasizes understanding of math concepts rather than just memorizing procedures. Math Ready students will learn the context behind the procedure: why to use a certain formula or method to solve a problem, for example. This equips them with higher-order thinking to apply math skills,



functions and concepts in different situations. Students will be better prepared for college-level math assignments based on the content. (Not designed to prepare students for college-level math in STEM majors).

## PHYSICAL EDUCATION AND HEALTH

### 480000 HEALTH AND WELLNESS

**TERM: FALL AND SPRING CREDIT: .5**

Each day hundreds of decisions are made, including important decisions that have a huge impact on personal life. Making good decisions is a whole lot easier for those who have the correct information before making those decisions. Being equipped with correct information will empower students to manage real issues, like quality nutrition, substance abuse, coping with stress, and sexual abstinence.

Good health is both mental and physical. Making good decisions starts with knowing the facts, understanding the consequences, and having the confidence to choose well.

## SCIENCE

### 420000 BIOLOGY

**TERM: YEAR-LONG CREDIT: 1**

The Biology course guides students through the study of living and non-living systems and how they interact with one another. This course will be a unique opportunity for students to successfully complete Biology in an on-line, interactive environment. Students explore the world they live in by posing questions and seeking answers through scientific inquiry. Discovery takes place through observation and data collection. The students will be introduced to the structure, function, diversity, and evolution of living matter. This is a course with real relevance. It encourages curiosity and provides opportunity for students to work on hands on lab activities and develop relationships through collaboratively learning. Engaging in the study of biological science broadens the picture of the world around us. This is a high school biology course designed to meet common core standards.

### 421000 CHEMISTRY

**TERM: YEAR-LONG CREDIT: 1**

Chemistry is rigorous and students will be challenged. Students will need to have 6-10 hours per week designated for study to be successful. It is designed as an interactive, 21st century course. Topics include the composition, properties, and changes associated with matter and their applications. This course is designed to serve as a foundation for the study of Chemistry at the university level. The utilization of scientific inquiry, web 2.0 tools, interactive experiences, higher order thinking, collaborative projects, real world application through labs and a variety of assessments all aid the student in ultimately demonstrating a vast understanding of the importance of Chemistry in the world around them; enabling them to apply these properties to their everyday lives.

### 422000 PHYSICS

**TERM: YEAR-LONG CREDIT: 1**

We stand on the shoulders of giants. Whether by observation, experimentation or brilliant insight, the progress of physics through the centuries has been advanced by scientific geniuses who wanted to know how things work. You'll find out for yourself when you take this course and visit "Physics World."

In each "Physics World" module, you'll discover the contributions of geniuses like Galileo, Newton and Einstein. In their work, you'll learn the concepts, theories and laws that govern the interaction of matter, energy and forces. From tiny atoms to galaxies with millions of stars, the universal laws of physics are there for you to observe and apply. Using laboratory activities, videos, software, and websites, you'll follow in the footsteps of some of the world's greatest thinkers.

### 423000 PHYSICAL SCIENCE

**TERM: YEAR-LONG CREDIT: 1**

This course is designed as an interactive, 21st century course focusing on basic physics and chemistry. Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, chemical bonding and reactions. This course is designed to serve as a foundation for the study of



the physical sciences. The utilization of scientific inquiry, web 2.0 tools, interactive experiences, higher order thinking, collaborative projects, real world application through labs and a variety of assessments all aid the student in ultimately demonstrating a vast understanding of the importance of the physical and chemical properties of the world around them; enabling them to apply these properties to their everyday lives.

#### **424020 ENVIRONMENTAL SCIENCE**

**TERM: YEAR-LONG CREDIT: 1**

The Environmental Science course is designed to investigate the role of humans in their environment. Students develop a knowledge base about their biological and physical environment. This information leads to exploration of human dependence on, technological control over, and interactions with the environment. Emphasis is placed on sustaining resources and making informed choices concerning environmental issues. Some of the topics addressed in this course include energy and nutrient cycling through ecosystems, the biomes of the world, water resources and pollution, air pollution, land use and urbanization, energy resources and use, waste management, population growth, biodiversity, and sustainability.

#### **424030 ANATOMY/PHYSIOLOGY**

**TERM: YEAR-LONG CREDIT: 1**

Human Anatomy and Physiology is a two semester upper division life science course that examines the basic biological concepts of structure and function of the human body and the mechanisms of maintaining homeostasis within it. The course will concentrate on the major systems of the body: integumentary, skeletal, muscular, respiratory, circulatory, digestive, nervous, endocrine, lymphatic, urinary, and reproductive. As a prerequisite for future studies in the medical field, each unit includes a medical case study activity. Special topics include diseases & disorders, and a unit focused on Medical Professions Exploration.

#### **525010 ADE APPROVED EARTH SCIENCE**

**TERM: YEAR-LONG CREDIT: 1**

This course focuses on Earth as a system and introduces students to Earth Science in a way that integrates common core standards with critical thinking and analytical skills. In the first semester students will apply fundamental science concepts to general Earth Science concepts and move into an in depth analysis of the atmosphere and hydrosphere. In the second semester students will apply their fundamental knowledge of science and engage in a study of the universe and solar system, accompanied units that explore the formation of the planet, geologic time-line and the geosphere. This course can only count for credit **ABOVE STATE REQUIREMENTS**.

## **SOCIAL STUDIES**

#### **470000 UNITED STATES HISTORY SINCE 1890**

**TERM: YEAR-LONG CREDIT: 1**

Students receive a strong foundation in United States History from pre-colonialism through the Progressive Era, allowing United States History since 1890 to focus in greater depth on the effects of changing culture, technology, world economy, and environment, as well as the impact of global conflicts on contemporary society in the United States. The desired outcome of this course is for students to develop an understanding of the cause-and-effect relationship between past and present events, recognize patterns of interactions, and understand the impact of events in the United States within an interconnected world. United States History Since 1890 examines the emergence of the United States as a world power to the present. Students will examine the political, economic, geographic, social, and cultural development of the United States of America from the late nineteenth century into the twenty-first century. United States History Since 1890 references the eras and time periods from The National Center for History in the Schools.

#### **471000 WORLD HISTORY SINCE 1450**

**TERM: YEAR-LONG CREDIT: 1**

World History 9-12 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 21<sup>st</sup> century with a broader context within which to address the many issues facing our nation and the world. World History references the eras and time periods from The National Center for History in the Schools.

**472000 CIVICS****TERM: FALL AND SPRING****CREDIT: .5**

The focus of Civics is the application of civic virtues and democratic principles and investigation of problem solving in society. This course provides a study of the structure and functions of federal, state, and local government. Civics also examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process.

**474300 ECONOMICS****TERM: FALL AND SPRING****CREDIT: .5**

One-semester Economics for Grades 9-12 emphasizes economic decision making. Students will explore the interrelationships among consumers, producers, resources, and labor as well as the interrelationships between national and global economies. Additionally, students will examine the relationship between individual choices and the direct influence of these choices on occupational goals and future earning potential.

**474400 PSYCHOLOGY****TERM: FALL AND SPRING****CREDIT: .5**

Psychology is a social studies elective course that introduces students to the science of behavior and mental processes. It includes an overview of the history of psychology as well as an opportunity to study individual and social psychology and how the knowledge and methods of psychologists are applied to the solution of human problems. The content of this course includes human development; biological bases of behavior; sensation and perception; learning, memory, and cognition; behavior patterns; and psychological disorders and their treatments. This course focuses on practical everyday application of the content.

**474500 SOCIOLOGY****TERM: FALL AND SPRING****CREDIT: .5**

Sociology consists of two nine weeks units. This course introduces students to the social systems that are the foundation of society. An emphasis is placed on culture, social status, social institutions, and social problems, as well as resulting behaviors. Using the tools and techniques of sociologists, students will examine the causes, consequences, and possible solutions for various social issues. Students will read major sociological theorists as well as consider how sociologists approach issues.

Throughout the course, students will develop and apply disciplinary literacy skills: reading, writing, speaking, and listening. As students seek answers to compelling and supporting questions, they will examine a variety of primary and secondary sources and communicate responses in multiple ways, including oral, visual, and written forms. Students must be able to select and evaluate sources of information, draw and build upon ideas, explore issues, examine data, and analyze events from the full range of human experience to develop critical thinking skills essential for productive citizens.

**474600 WORLD GEOGRAPHY****TERM: FALL AND SPRING****CREDIT: .5**

World Geography deepens geographic reasoning, knowledge, and skills as students focus on spatial relationships, places, regions, and human systems. This course emphasizes the interaction of humans and their physical and cultural environments. Students will use spatial and environmental perspectives and available geospatial technologies to analyze and interpret a variety of geographic representations, pictorial and graphic evidence, and data. This type of geographic inquiry helps students understand and appreciate their own place in the world and fosters curiosity about Earth's wide diversity of environments and cultures.



## ARTS, AUDIO VISUAL, TECHNOLOGY and COMMUNICATIONS CLUSTER

### PHOTOGRAPHY PROGRAM OF STUDY

#### 494350 FUNDAMENTALS OF PHOTOGRAPHY

**TERM: YEAR-LONG****CREDIT: 1****GRADE LEVEL: 9-12**

This core instructional program prepares individuals to effectively communicate ideas and information to business and consumer audiences and record events and people via film, still or video photography.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 22 units required for graduation: Yes

#### 494370 INTERMEDIATE PHOTOGRAPHY

**TERM: YEAR-LONG****CREDIT: 1****GRADE LEVEL: 10-12**

This core production based instructional program allows the photography student to implement artistic techniques to effectively communicate ideas and information to business and consumer audiences and record events and people via film, still or video photography.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 22 units required for graduation: Yes

**Recommended for student success:** Students should have completed Fundamentals of Photography before enrolling.

#### 494380 ADVANCED PHOTOGRAPHY

**TERM: YEAR-LONG****CREDIT: 1****GRADE LEVEL: 11-12**

This independent production based program is designed to provide the advanced photography student with knowledge and highly advanced skills for a comprehensive career in photography.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 22 units required for graduation: Yes

**Recommended for student success:** Students should have completed Intermediate of Photography before enrolling.

## FINANCE CLUSTER

### ACCOUNTING PROGRAM OF STUDY

#### 492100 COMPUTERIZED ACCOUNTING I

**TERM: YEAR-LONG****CREDIT: 1****GRADE LEVELS: 10-12**

Computerized Accounting I is a two-semester course with emphasis on basic accounting principles as they relate to both manual and computerized financial systems. Instruction is on an integrated basis using computers and electronic calculators as the relationships and processes of manual and computerized accounting are presented. Entry-level skills in the accounting occupations can be attained.

#### 492110 COMPUTERIZED ACCOUNTING II

**TERM: YEAR-LONG****CREDIT: 1****GRADE LEVELS: 11, 12**

Computerized Accounting II is a two-semester course designed to provide students with the knowledge, understanding, and skill necessary for successful careers in accounting. Partnership as well as departmental, corporate, and cost accounting systems are components of the course. Emphasis is given to the computerized/automated functions in accounting. Prerequisite: Computerized Accounting I



## HEALTH SCIENCE CLUSTER

### MEDICAL PROFESSIONS PROGRAM OF STUDY

#### 494050 FOUNDATIONS OF SPORTS MEDICINE

**TERM: YEAR-LONG****CREDIT: 1****GRADE LEVELS: 9-12**

This course provides students with a general overview of sports medicine and its history from the perspective of the healthcare community that includes injury prevention, treatment, rehabilitation, psychosocial, and administration concerns. Students will gain an understanding of sports medicine and the role it plays in the athletic community.

#### 495290 PATHOLOGY (Prerequisite)

**TERM: SPRING CREDIT: .5****GRADE LEVELS: 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.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 22 units required for graduation: Yes

**Recommended for student success:** Students should have received credit for Medical Terminology or one semester of Biology to enroll in Pathology.

#### 495300 HUMAN ANATOMY AND PHYSIOLOGY (Prerequisite)

**TERM: YEAR-LONG****CREDIT: 1****GRADE LEVELS: 9-12**

**CAREER TECHNICAL CREDIT ONLY - does not fulfill a Science Credit**

This course focuses on anatomical and physiological systems of the body as well as the diseases of those systems.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 22 units required for graduation: Yes

**Recommended for student success:** Students should have credit for both semesters of Biology before enrolling.

#### 495320 HUMAN BEHAVIOR AND DISORDERS

**TERM: SPRING CREDIT: .5****GRADE LEVELS: 9-12**

This course focuses on normal behavior and personality, abnormal behavior and personality, and behavior disorders and the therapies used to treat those disorders and abnormalities.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 22 units required for graduation: Yes

**Recommended for student success:** Students should have completed Abnormal Psychology before enrolling.

#### 495330 MEDICAL PROCEDURES (Prerequisite)

**TERM: SPRING CREDIT: .5****GRADE LEVELS: 9-12**

Medical Procedures is a one unit course that helps students develop specific and general skills needed by the health technology professional.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 22 units required for graduation: Yes

**Recommended for student success:** Students should have received credit for Medical Terminology to enroll in Medical Procedures.

**495340 INTRODUCTION TO MEDICAL PROFESSIONS****TERM: FALL CREDIT: .5 GRADE LEVELS: 9-12**

This course provides a general overview of the many health-related occupations and the special concerns of the health care worker.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 21 units required for graduation: Yes

**495360 MEDICAL TERMINOLOGY****TERM: FALL AND SPRING CREDIT: .5 GRADE LEVELS: 9-12**

Medical Terminology is a one semester course that assists students in developing the language used for communication in the health care profession.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 22 units required for graduation: Yes

**Recommended for student success:** Students should have credit for both semesters of Biology before enrolling.

**495370 ABNORMAL PSYCHOLOGY****TERM: FALL CREDIT: .5 GRADE LEVELS: 9-12**

This course provides a basic survey of maladaptive human behavior. Major psychological disorders, their causes, symptom behaviors, cultural influences, and relevant treatment approaches are discussed. Included topics are historical medical background, perspectives of treatment of the mentally ill, fundamental definitions, causes of anxiety disorders, disorders of mood, personality disorders, disorders of thought, including schizophrenia, substance-related disorders, and domestic violence. Legal, ethical, and social issues relating to the medical professional's role in treating psychological disorders are explored.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 22 units required for graduation: Yes

## HOSPITALITY and TOURISM CLUSTER

### TRAVEL and TOURISM PATHWAY – HOSPITALITY PROGRAM OF STUDY

**492230 INTERNATIONAL TRAVEL****TERM: SPRING CREDIT: .5 GRADE LEVELS: 9-12**

International Travel is a one-semester course that provides detailed coverage of international air travel; geography; international airfares and ticketing procedures; travel requirements; travel in Europe, Russia, Asia, and the Pacific; ecotourism analysis; and broadening of global horizons to maximize cultural understanding.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 22 units required for graduation: Yes

**492250 INTRODUCTION TO HOSPITALITY****TERM: FALL CREDIT: .5 GRADE LEVELS: 9-12**

Introduction to Hospitality is a one-semester course that provides students with an overview of the hospitality industry and career opportunities within the industry. Students learn operation procedures in front office operations, guest services, marketing and sales, bank office functions, ownership and management, food, beverages, and housekeeping management.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 22 units required for graduation: Yes

**492260 INTRODUCTION TO TRAVEL & TOURISM****TERM: SPRING CREDIT: .5 GRADE LEVELS: 9-12**

Introduction to Travel and Tourism is a one-semester in-depth study of worldwide travel, transportation, and tourism. Students are introduced to the industry as a whole and the job opportunities that are available. The course covers resource allocation, technology, and social, organizational, and technological systems.



Does course count in required 38 units and if yes, how: Yes Career & Technical  
Does course count in the 22 units required for graduation: Yes

**492460 TRAVEL DESTINATIONS**

**TERM: FALL CREDIT: .5 GRADE LEVELS: 9-12**

Travel Destinations is a one-semester course that provides a working knowledge of the geography of the earth as it relates to travel and tourism. Focus is on the attractions of place, patterns and processes of World Tourism, Geography and Travel and tourism in North America, Mexico, Central America, The Caribbean, South America, Europe, The Middle East, Africa, Asia, Australia, New Zealand and the South Pacific.

Does course count in required 38 units and, if yes, how: Yes Career & Technical  
Does course count in the 22 units required for graduation: Yes

**INFORMATION TECHNOLOGY CLUSTER**

**PROGRAMMING/SOFTWARE ENGINEERING PATHWAY – PROGRAMMING PROGRAM OF STUDY**

**492120 COMPUTERIZED BUSINESS APPLICATIONS**

**TERM: YEAR-LONG CREDIT: 1 GRADE LEVELS: 9-12**

Computerized Business Applications is a two-semester course designed to prepare students with an introduction to business applications that are necessary to live and work in a technological society. Emphasis is given to hardware, concepts, and business uses of applications. The business applications covered are word processing, database, spreadsheet, telecommunications, presentation, and Web page design. This course will also meet the one unit required in the Standards for Computer Applications.

Does course count in required 38 units and, if yes, how: Yes Career & Technical  
Does course count in the 22 units required for graduation: Yes

**492390 PROGRAMMING I**

**TERM: FALL CREDIT: .5 GRADE LEVELS: 9-12**

Programming I is a one-semester course in any modern, high-level, structured language. Concepts should be taught in the context of practical applications.

Does course count in required 38 units and, if yes, how: Yes Career & Technical  
Does course count in the 22 units required for graduation: Yes

**Prerequisite:** Students must have received credit for the full year of CBA.

**492400 PROGRAMMING II**

**TERM: SPRING CREDIT: .5 GRADE LEVELS: 9-12**

Programming II is a one-semester course that is a continuation of the study of the language taught in Programming I.

Does course count in required 38 units and, if yes, how: Yes Career & Technical  
Does course count in the 22 units required for graduation: Yes

**Recommended for student success:** Students should have received credit for Programming I.

**LAW, PUBLIC SAFETY, SECURITY and CORRECTIONS CLUSTER**

**494610 CRIMINAL LAW**

**TERM: YEAR-LONG CREDIT: 1 GRADE LEVELS: 9-12**

This instructional program prepares individuals to perform the duties of police and public security officers, including witness interviewing, evidence collection and management, and basic crime prevention methods.

Does course count in required 38 units and, if yes, how: Yes Career & Technical  
Does course count in the 21 units required for graduation: Yes

**494620 INTRODUCTION TO CRIMINAL JUSTICE****TERM: YEAR-LONG****CREDIT: 1****GRADE LEVELS: 9-12**

This instructional program prepares individuals to perform the duties of police and public security officers, including patrol and investigative activities, traffic control, crowd control, and public relations.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 21 units required for graduation: Yes

**590100 FORENSIC SCIENCE AND THE LAW****TERM: YEAR-LONG****CREDIT: 1****GRADE LEVEL 10-12**

This is an introductory level course with an emphasis placed on how forensic science is used in conjunction with the law and the legal system. The course will provide a brief history and development of forensic science and how forensic science functions within the legal system of today. The course provides an overview of a crime scene, DNA, trace evidence, aspects of fire and explosions, fingerprints, firearms, and document examination. Upon completion the student will have a general understanding of career opportunities and responsibilities that focus on Forensic Science and the Law.

Does course count in required 38 units and, if yes, how: No

Does course count in the 22 units required for graduation: Yes

**590110 INTRODUCTION TO CAREERS IN LAW, PUBLIC SAFETY AND SECURITY****TERM: FALL****CREDIT: .5****GRADE LEVEL 9-12**

This is an introductory level course designed to provide an overview of careers in Law, Public Safety, Corrections, and Security. This course will cover careers in each pathway, ethical issues related to each career as well as necessary education requirements. The students will gain knowledge and skills, both verbally and in writing concerning issues related to these careers. Upon completion of this course, students will have a general understanding of career opportunities and responsibilities in each pathway.

Does course count in required 38 units and, if yes, how: No

Does course count in the 22 units required for graduation: Yes

**590110 LAW AND ORDER: CAREER INTENT****TERM: FALL AND SPRING****CREDIT: .5****GRADE LEVEL 9-12**

This course will provide the student with an overview of the legal system in the United States including how the legal system works from the federal, state, and local levels. This legal services pathway course will include an introduction to constitutional, civil, evidentiary and administrative law.

Does course count in required 38 units and, if yes, how: No

Does course count in the 22 units required for graduation: Yes

**590110 ARKANSAS LEGAL (Prerequisite)****TERM: SPRING CREDIT: .5****GRADE LEVEL 9-12**

This instructional program prepares individuals to perform duties within the legal services pathway and includes an overview of the Arkansas judicial and legislative system.

Does course count in required 38 units and, if yes, how: No

Does course count in the 22 units required for graduation: Yes

**Recommended for student success:** Students MUST have received credit for Law and Order: Career Intent to enroll in Arkansas Legal.

**MARKETING, SALES, and SERVICE CLUSTER****492190 FASHION MERCHANDISING****TERM: SPRING CREDIT: .5****GRADE LEVELS: 9-12**

Fashion Merchandising is a one-semester course designed to offer an overview of the fashion industry. It provides the foundation in preparing students for a wide range of careers available in the different levels of the fashion industry. Emphasis is given to historical development, textiles, manufacturers, merchandising, domestic and foreign markets, accessories, and retailing.

Does course count in required 38 units and, if yes, how: Yes Career & Technical



Does course count in the 22 units required for graduation: Yes

**492330 MARKETING**

**TERM: YEAR-LONG CREDIT: 1 GRADE LEVELS: 11-12**

Marketing is a two semester course designed to provide students with the fundamental concepts, principles, skills, and attitudes common to the field of marketing. Instruction focuses on market types, market analysis, consumer types, planning, promotion, buying, pricing, distribution, finance, trends, and careers.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 22 units required for graduation: Yes

**492640 SPORTS AND ENTERTAINMENT MARKETING**

**TERM: FALL CREDIT: .5 GRADE LEVELS: 9-12**

Sports and Entertainment Marketing is a one-semester course designed to provide students with an understanding of marketing concepts, foundations, and functions as they relate to career opportunities in the growing area of sports and entertainment. Instruction will focus on public relations and publicity, event planning and marketing, sponsorship, venue design, concessions, risk management, product planning, licensing, ticket sales and distribution.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 22 units required for graduation: Yes

**TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CLUSTER**

**590090 FUNDAMENTALS OF FLIGHT DOES NOT SATISFY ACT 1280**

**TERM: YEAR-LONG CREDIT: 1 GRADE LEVELS: 10-12**

This course, the first in a series of three, will introduce students to the field of aviation, with special emphasis placed on becoming a pilot. This course will introduce students to different professions a pilot could pursue. It will also introduce: aircraft structure, principles of flight, flight controls, basic aerodynamics, and various introductory flight maneuvers. A flight training device or required software will be used to provide practical exposure to flight maneuvers.

**CAREER PREPARATION**

**493880 COLLEGE AND CAREER READINESS**

**TERM: FALL CREDIT: .5 GRADE LEVEL 9-12**

College and Career Readiness is a one-semester (.5 credit) course that can count toward completer status for any Career and Technical Education Program of Study. It is designed to provide the student with the necessary skills to evaluate fundamental employment ready skills and what they need from education to be prepared to refine their choices through a decision-making process and master the skills most needed by 21st century employers. The course is recommended to be taken the first semester of the senior year to allow counselors working with seniors to prepare for graduation and college preparation. Students will assess labor market information, personal academic and career ready potential, and make application to postsecondary institutions. This course will use the Career Ready 101 curriculum to prepare students to take the ACT WorkKeys assessments to earn the Arkansas Career Readiness Certificate.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 22 units required for graduation: Yes

**493900 CAREER READINESS**

**TERM: SPRING CREDIT: .5 GRADE LEVEL 9-12**

Career Readiness is a one-semester (.5 credit) course that can count toward completer status for any Career and Technical Education Program of Study. It is designed to provide the student with the necessary skills to evaluate who they are, what they need in a career, research postsecondary options and career information. The major goal of Career Readiness is to engage students to develop characteristics and skills employers most desire. Students will



evaluate personal traits for a better understanding of self in their pursuit of finding a meaningful, fulfilling and rewarding career then compare their traits to the characteristics employers expect for the purpose of identifying and developing the lacking skills. This course uses the Career Ready 101 curriculum to teach the 21st Century SCANS skills but does not include the WorkKeys skills from College and Career Readiness. This course supplements 493880.

Does course count in required 38 units and, if yes, how: Yes Career & Technical

Does course count in the 22 units required for graduation: Yes

**493910 CAREER READY 101 ONLINE**

**TERM: FALL AND SPRING**

**CREDIT: .5**

**GRADE LEVEL 9-12**

Career Ready 101 Online is a (.5 credit) course option to 493880 and 493900 that can count as an elective to complete any Career and Technical Education Program of Study. The major goal of Career Ready 101 Online is to engage students in digital learning to meet ACT 1280 and to prepare for postsecondary education. This course contains the CR101 curriculum WorkKeys Skills--Locating Information, Applied Math and Reading for Information found in the College and Career Readiness Course (493880). It also contains key Career Skills found in the Career Readiness Course (493900). It is designed to provide students with the necessary skills to evaluate who they are, what they need in a career, and research postsecondary options and career information. This course is an alternative option for 493880 and 493900 and should not be taken in conjunction with either of the two since it is duplicative in the Career Ready 101 curriculum in many areas.



All Concurrent Credit courses require a qualifying reading score. The Virtual Arkansas concurrent credit campus requires an ACT score of 19 in reading and English or comparable scores for all non-math courses. Students must meet the application requirements for the partnering university. Here is the link to the current [CUTS SCORES and Prerequisites](#) for the concurrent credit courses.

**ALL OF THE COURSES ARE FOR CONCURRENT CREDIT. A 3 CREDIT HOUR COLLEGE COURSE EQUALS ONE HIGH SCHOOL CREDIT**

Classes are available to high school students who meet the admission requirements and prerequisites for Virtual Arkansas, ATU, and UAM, as well as prerequisites for the specific course.

**ARKANSAS TECH UNIVERSITY FALL 2016** – ATU accepts ACT, PLAN, Aspire, and Accuplacer for admission.

**514000 SPEECH - CONCURRENT CREDIT ORAL COMMUNICATION**

**TERM: FALL CREDIT – COLLEGE: 3 HIGH SCHOOL: 1**

Fundamentals of composition, delivery, and logical reasoning. Effective utilization of basic visual aids will be included.

**519930 COMPOSITION I - CONCURRENT CREDIT ENGLISH 11**

**TERM: FALL CREDIT – COLLEGE: 3 HIGH SCHOOL: 1**

A review of grammar, introduction to research methods, and practice in writing exposition using reading to provide ideas and patterns. Note: A grade of C or better must be earned to satisfy the general education requirement of English/Communication.

**519940 COMPOSITION I - CONCURRENT CREDIT ENGLISH 12**

**TERM: FALL CREDIT – COLLEGE: 3 HIGH SCHOOL: 1**

A review of grammar, introduction to research methods, and practice in writing exposition using reading to provide ideas and patterns. \*Note: A grade of C or better must be earned to satisfy the general education requirement of English/Communication.

**539900 COLLEGE MATHEMATICS - CONCURRENT CREDIT BEYOND ALGEBRA II**

**TERM: FALL CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**

The course focuses upon the mathematics of contemporary life. Topics include Planning and Scheduling schemes from Management Science, Data Analysis, Probability and Inference from Statistics, Voting Systems and Division Schemes from the science of Social Choice, and various Growth Models. Note: A grade of C of better must be earned in this course if being used to satisfy the general education mathematics requirement.

**539900 COLLEGE ALGEBRA - CONCURRENT CREDIT BEYOND ALGEBRA II**

**TERM: FALL CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**

Exponents and radicals, introduction to quadratic equations, systems of equations involving quadratics, ratio, proportion, variation, progressions, the binomial theorem, inequalities, logarithms, and partial fractions. Note: A grade of C of better must be earned in this course if being used to satisfy the general education mathematics requirement.

**549900 ELEMENTARY SPANISH I - OTHER CONCURRENT CREDIT FOREIGN LANGUAGE**

**TERM: FALL CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**

Training in the elements of Spanish communication (speaking and writing) and comprehension (listening and reading) within a variety of cultural contexts.

**549900 INTERMEDIATE SPANISH I - OTHER CONCURRENT CREDIT FOREIGN LANGUAGE**

**TERM: FALL CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**

Development of the language skills necessary for communication (speaking and writing) and comprehension (listening and reading) skills to increase proficiency in the language at the intermediate level within a variety of cultural contexts.

**559000 ART APPRECIATION - CONCURRENT CREDIT FINE ARTS**

**TERM: FALL CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**

This course is designed to provide a background in art and the related processes so that a student may develop powers of observation and thereby respond to a work of art.



**579910 WORLD CIVILIZATION I - CONCURRENT CREDIT WORLD HISTORY**

**TERM: FALL CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**

The history of humanity from prehistoric times to the sixteenth century.

**579920 AMERICAN HISTORY I - CONCURRENT CREDIT AMERICAN HISTORY**

**TERM: FALL CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**

The study of the development of the American nation to the Civil War and Reconstruction Era.

**ARKANSAS TECH UNIVERSITY **SPRING 2017** – ATU accepts ACT, PLAN, Aspire, and Accuplacer for admission.**

**514000 SPEECH - CONCURRENT CREDIT ORAL COMMUNICATION**

**TERM: SPRING CREDIT – COLLEGE: 3 HIGH SCHOOL: 1**

Fundamentals of composition, delivery, and logical reasoning. Effective utilization of basic visual aids will be included.

**519930 COMPOSITION II- CONCURRENT CREDIT ENGLISH 11**

**TERM: SPRING CREDIT – COLLEGE: 3 HIGH SCHOOL: 1**

A continuation of Composition I with readings in poetry, fiction, and drama. Note: A grade of C or better must be earned in each of the two composition courses used to satisfy the general education requirement of English/Communication.

**519940 COMPOSITION II - CONCURRENT CREDIT ENGLISH 12**

**TERM: SPRING CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**

A continuation of Composition I with readings in poetry, fiction, and drama. Note: A grade of C or better must be earned in each of the two composition courses used to satisfy the general education requirement of English/Communication.

**539900 COLLEGE ALGEBRA - CONCURRENT CREDIT BEYOND ALGEBRA II**

**TERM: SPRING CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**

Exponents and radicals, introduction to quadratic equations, systems of equations involving quadratics, ratio, proportion, variation, progressions, the binomial theorem, inequalities, logarithms, and partial fractions. Note: A grade of C or better must be earned in this course if being used to satisfy the general education mathematics requirement.

**549900 ELEMENTARY SPANISH II - OTHER CONCURRENT CREDIT FOREIGN LANGUAGE**

**TERM: SPRING CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**

Continued training in basic Spanish communication (speaking and writing) and comprehension (listening and reading) skills to increase proficiency in the language within a variety of cultural contexts.

**549900 INTERMEDIATE SPANISH II - OTHER CONCURRENT CREDIT FOREIGN LANGUAGE**

**TERM: SPRING CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**

Further development of the language skills necessary for communication (speaking and writing) and comprehension (listening and reading) skills to provide mastery of the fundamental tools in a variety of cultural contexts.

**559000 ART APPRECIATION - CONCURRENT CREDIT FINE ARTS**

**TERM: SPRING CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**

This course is designed to provide a background in art and the related processes so that a student may develop powers of observation and thereby respond to a work of art.

**579910 WORLD CIVILIZATION II - CONCURRENT CREDIT WORLD HISTORY**

**TERM: SPRING CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**

The history of humanity from the sixteenth century to the present.

**579920 AMERICAN HISTORY II - CONCURRENT CREDIT AMERICAN HISTORY**

**TERM: SPRING CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**

The study of the development of the American nation since the Civil War and Reconstruction Era.



**UNIVERSITY OF ARKANSAS-MONTICELLO FALL 2016** – UAM accepts ACT, Compass, PLAN, Aspire, and Accuplacer scores for admission.

- 514000 SPEECH - CONCURRENT CREDIT ORAL COMMUNICATION** **TERM: FALL CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**  
 Principles of audience analysis, collection of materials, and outlining. Emphasis on careful preparation of speech and delivery.
- 519930 COMPOSITION I - CONCURRENT CREDIT ENGLISH 11** **TERM: FALL CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**  
 Writing course stressing reading skills as a basis for effective writing.
- 519940 COMPOSITION I - CONCURRENT CREDIT ENGLISH 12** **TERM: FALL CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**  
 Writing course stressing reading skills as a basis for effective writing.
- 539900 SURVEY OF MATHEMATICS - CONCURRENT CREDIT BEYOND ALGEBRA II** **TERM: FALL CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**  
 Techniques of problem solving, topics from set theory, number theory, logic, consumer mathematics, and probability and statistics. NOTE: This course cannot be used for credit toward a Mathematics major or minor.
- 539900 COLLEGE ALGEBRA - CONCURRENT CREDIT BEYOND ALGEBRA II** **TERM: FALL CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**  
 Functions, graphs, quadratic functions, polynomial functions, rational functions, exponential and logarithmic functions, systems of equations, applications of algebra, matrices, and the binomial theorem.
- 549900 ELEMENTARY SPANISH I - OTHER CONCURRENT CREDIT FOREIGN LANGUAGE** **TERM: FALL CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**  
 An introduction to the essentials of the Spanish language. It is designed to develop the four basic language skills: listening, speaking, reading, and writing. It emphasizes standard pronunciation, functional syntactical structures, vocabulary, and idiomatic expressions, as well as an awareness of Hispanic cultures.
- 559000 ART APPRECIATION - CONCURRENT CREDIT FINE ARTS** **TERM: FALL CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**  
 A basic introductory course in man’s cultural heritage through the visual arts.
- 579910 WORLD CIVILIZATION I - CONCURRENT CREDIT WORLD HISTORY** **TERM: FALL CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**  
 Civilization to 1660. European and world development emphasizing cultural, economic, religious, and political changes. Some attention is given to non-western civilization.
- 579920 AMERICAN HISTORY I - CONCURRENT CREDIT AMERICAN HISTORY** **TERM: FALL CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**  
 The growth of the United States from the discovery of America to 1876.

**UNIVERSITY OF ARKANSAS-MONTICELLO SPRING 2017** – UAM accepts ACT, Compass, PLAN, Aspire, and Accuplacer scores for admission.

- 514000 SPEECH - CONCURRENT CREDIT ORAL COMMUNICATION** **TERM: SPRING CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**  
 Principles of audience analysis, collection of materials, and outlining. Emphasis on careful preparation of speech and delivery.
- 519930 COMPOSITION II - CONCURRENT CREDIT ENGLISH 11** **TERM: SPRING CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**  
 Writing course emphasizing reading skills as a basis for effective writing. Documented term paper is required.
- 519940 COMPOSITION II - CONCURRENT CREDIT ENGLISH 12** **TERM: SPRING CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**  
 Writing course emphasizing reading skills as a basis for effective writing. Documented term paper is required.



**539900 COLLEGE ALGEBRA - CONCURRENT CREDIT BEYOND ALGEBRA II**

Functions, graphs, quadratic functions, polynomial functions, rational functions, exponential and logarithmic functions, systems of equations, applications of algebra, matrices, and the binomial theorem.

**TERM: SPRING CREDIT - COLLEGE: 3 HIGH SCHOOL: 1**

**549900 ELEMENTARY SPANISH II - OTHER CONCURRENT CREDIT FOREIGN LANGUAGE**

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