



2019 – 2020 Virtual Arkansas Course Catalog

Unless noted next to the course, ALL CORE, CTE, and CONCURRENT CREDIT COURSES are Act 1280 approved

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ARKANSAS TECH UNIVERSITY **FALL 2019** 20

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To access the ADE Course Management System, click here <https://adedata.arkansas.gov/ccms/CourseList>

Symbol Key: NCAA Approved course  Act 1280 approved 

Cost per course reflects the cost per student, per .5 unit of credit. The cost per student, per .5 unit for Content Only courses is \$25. The exceptions are the ACT Prep and AP Prep courses, which are \$35 per student for the full year or \$50 per student enrolled in both courses. The cost per student, per .5 unit for Credit Recovery enrollments will be \$50.



ALL CORE COURSES ARE AVAILABLE AS CONTENT ONLY OPTIONS FOR SCHOOLS

K – 8 CONTENT ONLY COURSE OFFERINGS

378720 ARKANSAS HISTORY 7-8 **\$25** **TERM: FALL & SPRING CREDIT: .5**

Arkansas History Grades 7-8 is an in-depth and rigorous study of civics/government, economics, geography, and history of the state. 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.

VISUAL ART GRADES K - 8 **\$25** **9 WEEK SESSION OR A SEMESTER**

The framework supports multiple modes of learning and assessment for the diverse needs of students.

SPECIALTY CONTENT ONLY

ACT PREP AND ADVANCED PLACEMENT PREP RESOURCES **\$35/\$50** **NOT NCAA APPROVED** **TERM: YEAR CREDIT: NA**

Virtual Arkansas will again partner with Shmoop to provide the ACT Prep course and resources for the 2019-2020 academic year. In addition, we will provide advanced placement test preparation resources for students and teachers. Access to these resources will be granted for the full academic year. Please [click here](#) for a full description of our ACT Prep Program features. ACT Prep course/resources will be \$35 per student for the year. AP Test Prep Resources will be \$35 per student for the year. If a student enrolls in both the ACT Prep and AP Prep Resources, the cost will be \$50 per student for the year.

ADVANCED PLACEMENT – ALL AP COURSES MAY BE OFFERED FOR WEIGHTED CREDIT

TEACHER-FACILITATED

Teacher Facilitated courses are true asynchronous online courses. The primary means of communication, instruction, and feedback is online. Whereas Virtual Arkansas Teacher Led courses fit a blended model of instruction and provide live interactive Zoom sessions with the teacher, Teacher Facilitated courses do not provide these live interactive sessions. Students who take Teacher Facilitated courses should be highly motivated, have the ability to self-direct via independent study, and should select the course due to interest in the topic and coursework.

559030 AP ART HISTORY **\$80** **NOT NCAA APPROVED**  **TERM: YEAR CREDIT: 1**

The AP Art History course explores such topics as the nature of art, its uses, its meanings, art making, and responses to art. Through investigation of diverse artistic traditions of cultures from prehistory to the present, the course fosters in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, constructing understanding of individual works and interconnections of art-making processes and products throughout history. AP Art History is designed to be the equivalent of a two-semester introductory college or university art history survey course.

520030 AP BIOLOGY **\$80**   **TERM: YEAR CREDIT: 1**

Given the speed with which scientific discoveries and research continuously expand scientific knowledge, many educators are faced with the challenge of balancing breadth of content coverage with depth of understanding. The revised AP® Biology course addresses this challenge by shifting from a traditional “content coverage” model of instruction to one that focuses on enduring, conceptual understandings and the content that supports them. This approach will enable students to spend less time on factual recall and more time on inquiry-based learning of essential concepts, and will help them develop the reasoning skills necessary to engage in the science practices used



CORE COURSES

throughout their study of AP Biology.

Students who take an AP Biology course designed using this curriculum framework as its foundation will also develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The revised AP Biology course is equivalent to a two-semester college introductory biology course. The prerequisites for AP Biology are high school courses in biology and chemistry.

565110 AP COMPUTER SCIENCE A LEVEL I **\$80** **NOT NCAA APPROVED**  **ADVANCED HS CS LEVEL 1** **TERM: FALL** **CREDIT: .5**

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. Prerequisites: None

565120 AP COMPUTER SCIENCE A LEVEL II **\$80** **NOT NCAA APPROVED**  **ADVANCED HS CS LEVEL 2** **TERM: SPRING** **CREDIT: .5**

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. Prerequisites: 565110

559010 AP MUSIC THEORY **\$80** **NOT NCAA APPROVED**  **TERM: YEAR** **CREDIT: 1**

The ultimate goal of an AP Music Theory course is to develop a student’s ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. It may emphasize one aspect of music, such as harmony; more often, however, it integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition and, to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight-singing, and keyboard harmony are considered an important part of the theory course, although they may be taught as separate classes. The student’s ability to read and write musical notation is fundamental to such a course. It is strongly recommended that the student will have acquired at least basic performance skills in voice or on an instrument.

579120 AP PSYCHOLOGY **\$80**   **TERM: YEAR** **CREDIT: 1**

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

539030 AP STATISTICS **\$80**   **TERM: YEAR** **CREDIT: 1**

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference.

572010 AP U.S. GOVERNMENT AND POLITICS **\$80**   **TERM: YEAR** **CREDIT: 1**

AP U.S. Government and Politics provides a college-level, 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 will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project.

TEACHER-LED

517030 AP ENGLISH LANGUAGE AND COMPOSITION

\$80



TERM: YEAR 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

\$80



TERM: YEAR 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

\$80



TERM: YEAR 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. Students will be reading at an accelerated pace and writing formal lab reports on a weekly basis. 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

\$80



TERM: YEAR 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.

565010 AP COMPUTER SCIENCE PRINCIPLES LEVEL I

\$80

NOT NCAA APPROVED



ADVANCED HS CS LEVEL 1

TERM: FALL CREDIT: .5

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give
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students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. **Prerequisites:** None

565020 AP COMPUTER SCIENCE PRINCIPLES LEVEL II **\$80** **NOT NCCA APPROVED**  **ADVANCED HS CS LEVEL 2** **TERM: SPRING CREDIT: .5**

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. **Prerequisites:** 565010

570020 AP UNITED STATES HISTORY **\$80**   **TERM: YEAR 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 politic 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: MODERN **\$80**   **TERM: YEAR CREDIT: 1**

The AP World History Modern 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 Modern Exam. The AP World History Modern 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.

COMPUTER SCIENCE – STUDENTS SHOULD NOT BE ENROLLED IN BOTH LEVEL I OR LEVEL II COURSES CONCURRENTLY

465010 COMPUTER SCIENCE WITH PROGRAMMING/CODING EMPHASIS LEVEL I **\$60** **NOT NCCA APPROVED**  **TERM: FALL CREDIT: .5**

Introduction to Computer Science offers students the opportunity to explore three distinct areas in computer science: programming, networking, and information security. Students will develop knowledge and skills in computational thinking and problem solving; data and information; algorithms and programs; computers and communications; and community, global, and ethical impacts. Emphasis is placed on making real-world connections between students, course topics, and programming in the field of computer science. **Prerequisites:** None

465020 COMPUTER SCIENCE WITH PROGRAMMING/CODING EMPHASIS LEVEL II **\$60** **NOT NCCA APPROVED**  **TERM: SPRING CREDIT: .5**

This course expands upon the concepts covered in the Introduction to Computer Science (Level 1) course and places significant emphasis on developing proficiency in computer programming/coding. Students will learn to analyze problems and develop solutions to those problems in a collaborative learning environment. Multiple technologies will be engaged in order to equip students with fluencies that will enable them to adapt to the constantly-changing field of computer science.



465210 COMPUTER SCIENCE WITH CYBER SECURITY EMPHASIS LEVEL I **\$60** **NOT NCCA APPROVED**  **TERM: FALL CREDIT: .5**

Introduction to Computer Science offers students the opportunity to explore three distinct areas in computer science: programming, networking, and information security. Students will develop knowledge and skills in computational thinking and problem solving; data and information; algorithms and programs; computers and communications; and community, global, and ethical impacts. Emphasis is placed on making real-world connections between students, course topics, and information security in the field of computer science. **Prerequisites:** None

465220 COMPUTER SCIENCE WITH CYBER SECURITY EMPHASIS LEVEL II **\$60** **NOT NCCA APPROVED**  **TERM: SPRING CREDIT: .5**

This course expands upon the concepts covered in the Introduction to Computer Science (Level 1) course and places significant emphasis on developing proficiency in information security. Students will learn to analyze problems and develop solutions to those problems in a collaborative learning environment. Multiple technologies will be engaged in order to equip students with fluencies that will enable them to adapt to the constantly-changing field of computer science. **Prerequisites:** None

ENGLISH LANGUAGE ARTS

410000 ENGLISH 9 **\$100**   **TERM: YEAR CREDIT: 1**

Students study various forms of literature that deal with the universal problems of human nature. Students develop skills in reading, writing, analysis, critical thinking, communication, and organization while building understanding of vocabulary and literary terminology. The course introduces students to the requirements and expectations of essay writing and offers the opportunity to write in various text types and for a variety of purposes.

411000 ENGLISH 10 **\$100**   **TERM: YEAR CREDIT: 1**

This course emphasizes the development of the core language arts components of reading, writing, speaking, and listening. Students analyze classic works of literature including plays, non-fiction, poetry, and short stories to understand the contexts in which the works were written. Class activities are designed to help students master the skills needed to meet state standards as well as to be successful in their future endeavors.

412000 ENGLISH 11 **\$100**   **TERM: YEAR CREDIT: 1**

In English 11 students will analyze works of poetry, short stories, drama, and speech from pre-colonial period to the present, emphasizing the philosophical, historical, political, and cultural movements of those eras. Students will study literary terminology as well as conventions of fiction and nonfiction and produce MLA-formatted works using research skills gained in this course.

413000 ENGLISH 12 **\$100**   **TERM: YEAR CREDIT: 1**

This course is broken into four units of thematic study. Each unit allows 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. As they read, students consider the work's structure, style, and themes as well as the use of elements such as figurative language, imagery, symbolism, and tone. Students will write in several forms about a variety of subjects in contexts designed to help them become increasingly aware of themselves as writers and of the techniques employed by the writers they read. Students will gain research skills, and in particular, the ability to evaluate, use, and cite primary and secondary sources. Students will cite sources using MLA Format.



CORE COURSES

414000 ORAL COMMUNICATION

\$80



TERM: FALL & SPRING CREDIT: .5

In the one-semester Oral Communication course, students will gather an understanding of effective communication while speaking, listening, and responding. Students will practice communication competencies, effective intrapersonal and interpersonal communication, as well as deliver a variety of speeches. Students will also learn concepts related to responsible social media usage, communication barriers, mass media, conflict resolution, leadership styles, business etiquette, and interviews. Students will participate in debate and perform oral readings.

415000 JOURNALISM I

\$60

NOT NCCA APPROVED



TERM: YEAR 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.

FINE ARTS

450000 VISUAL ART I

\$60

NOT NCCA APPROVED



TERM: YEAR CREDIT: 1

Visual 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. 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 Visual Art I student learning expectations. Students may not be enrolled in the second semester of Visual Art I unless they are transferring from another district and had the first semester of Visual Art I at the prior district.

453100 VISUAL ART APPRECIATION

\$80

NOT NCCA APPROVED



TERM: FALL & 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.

550010 TODAY'S AMERICAN ART: EXPLORING THE FUNDAMENTALS OF ART

\$60

NOT NCCA APPROVED



TERM: FALL CREDIT: .5

In this course, you'll explore the works of several contemporary artists who employ a variety of techniques. You'll experiment with these artists' techniques, ideas, and concepts by creating artworks of your own, inspired by their work. These experimental art projects will help you find a concept or theme that you'll develop for a class art exhibition. Get ready to play with new ideas, create, have fun, and talk with other students about the process of making art! **ABOVE STATE REQUIREMENTS.**

553010 EXPLORING PERSONAL AND NATIONAL IDENTITY THROUGH ART

\$60

NOT NCCA APPROVED



TERM: SPRING CREDIT: 5

Brought to you by the Crystal Bridges Museum of American Art in Bentonville, Arkansas, this course is full of amazing artwork, fun activities and lots of opportunities to develop



your ideas about your own identity and American identity. There is something unique about the United States of America. It is a country, but “America” also represents an ideal that encompasses people’s dreams and ambitions. In this course, you will learn to see and understand art in context, and you will share your own perspectives on being American in two personally curated exhibits. Join us as we explore what it means to be American and how artists express the American experience through art. **ABOVE STATE REQUIREMENTS.**

MATHEMATICS

430000 ALGEBRA I

\$100



TERM: YEAR CREDIT: 1

The skills you'll acquire in Algebra 1 contain the basic foundation students need for all high school math courses. Students develop algebraic fluency by learning the skills needed to solve equations and perform manipulations with numbers, variables, equations, and inequalities. Upon completion, students will possess the skills and strategies needed for solving real-world applications in multiple real-life scenarios from sports and travel to business and health.

431000 GEOMETRY

\$100



TERM: YEAR 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. **Prerequisite:** Algebra I or Algebra AB

432000 ALGEBRA II

\$100



TERM: YEAR CREDIT: 1

This course builds on knowledge and skills gained from Algebra 1. Starting with a review of basic algebra, students will travel through quadratic equations, systems of equations, factoring, and polynomial functions. In the second segment, students will venture into the realms of radicals, rational equations, matrices, exponential and logarithmic relations, and land 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

\$80



TERM: YEAR 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.

439120 QUANTITATIVE LITERACY

\$80

NOT NCAA APPROVED



TERM: YEAR CREDIT: 1

Quantitative literacy further builds on the knowledge and skills mastered in Algebra 1 by exploring and making connections between mathematical topics and the real world. Throughout the course, students will learn to make decisions, evaluate outcomes, and communicate results by choosing, modeling, and using appropriate mathematics and statistics. Students will represent and process their reasoning while gaining proficiency with mathematical technology. Emphasis is placed on areas of personal and business finance. **Prerequisite:** Algebra I



PHYSICAL EDUCATION AND HEALTH

480000 HEALTH AND WELLNESS

\$100 NOT NCCA APPROVED



TERM: FALL & SPRING CREDIT: .5

Each day, hundreds of decisions are made that have a huge impact on personal life. Making good decisions becomes easier for those who are well informed before making those decisions that affect their overall health. Being equipped with the correct information will empower student's real life issues dealing with human growth, development, disease prevention, community health access, forming healthy relationships, substance use and abuse, personal health/safety, nutrition and physical fitness.

SCIENCE

420000 BIOLOGY – INTEGRATED

\$100



TERM: YEAR CREDIT: 1

The Arkansas K-12 Science Standards for biology - integrated is an integrated science course that focuses on conceptual understanding of foundational life and Earth science core ideas, science and engineering practices, and crosscutting concepts, and is an integration of life science, Earth and space science, and engineering design standards. It is recommended that students be enrolled in Geometry concurrently with this course. Students will earn 1 unit of Smart Core/biology credit for graduation.

421000 CHEMISTRY – INTEGRATED

\$100



TERM: YEAR CREDIT: 1

The Chemistry – Integrated is an integrated science course that focuses on conceptual understanding of the foundational chemistry and physics core ideas, science and engineering practices, and crosscutting concepts and is composed of chemistry, physics, Earth and space science, and engineering design standards. It is recommended that students be enrolled in Algebra II concurrently with this course. Students will earn a 1 unit of Smart Core/chemistry credit for graduation.

423000 PHYSICAL SCIENCE – INTEGRATED

\$100



TERM: YEAR CREDIT: 1

Physical Science - Integrated is an integrated science course that focuses on conceptual understanding of foundational core ideas, science and engineering practices, and crosscutting concepts, and is composed of physical science, Earth and space science, life science, and engineering design standards. Students will earn 1 unit of Smart Core/physical science credit for graduation. It is recommended that students be enrolled in Algebra I concurrently with this course. Students in physical science - integrated continue to develop their understanding of the core ideas in the physical, life, and earth and space sciences learned in middle school. These ideas include the most fundamental concepts from chemistry, physics, biology, and Earth and space science but are intended to leave room for expanded study in upper-level high school courses.

424020 ENVIRONMENTAL SCIENCE

\$100



TERM: YEAR CREDIT: 1

Environmental science is an integrated science course that continues to develop conceptual understanding of the interactions in Earth science, physical science, and life science systems. The standards for environmental science engage students in the core ideas, scientific and engineering practices, and crosscutting concepts to support the development of knowledge that can be applied to understanding, explaining, and improving human interactions with Earth systems and resources. There are strong connections to mathematical practices of analyzing and interpreting data with creating mathematical and computational models. Students will earn 1 Core requirement/career focus credit.

424030 HUMAN ANATOMY AND PHYSIOLOGY

\$100



TERM: YEAR CREDIT: 1

Human Anatomy and Physiology continues to develop conceptual understanding of the core ideas, science and engineering practices, and crosscutting concepts in Biology -



Integrated. This is a career-focused course for students interested in medical professions and related fields. Human Anatomy and Physiology is an upper division life science course where students will study the structure, basic functions, and common disorders of the human body. The course will concentrate on the major systems of the body: integumentary, skeletal, muscular, respiratory, circulatory, digestive, nervous, endocrine, lymphatic, urinary, and reproductive.

SOCIAL STUDIES

470000 UNITED STATES HISTORY SINCE 1890

\$100



TERM: YEAR 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

\$100



TERM: YEAR 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 21st 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

\$100



TERM: FALL & 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 WITH PERSONAL FINANCE

\$100



GRADES 10 -12 TERM: FALL & SPRING CREDIT: .5

One-semester Economics for Grades 10-12 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

\$80



TERM: FALL & 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

\$80



TERM: FALL & 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.

WORLD LANGUAGES

440000 SPANISH I

\$80



TERM: YEAR CREDIT: 1

Spanish I students learn how to greet people, introduce themselves, and speak about their home, family, school, and community. As students learn basic vocabulary and grammar skills, they expand on their knowledge and learn to communicate about more complex topics such as weather, sports, entertainment and leisure activities. The course introduces new words and phrases with pictures, audio clips, and examples. Students learn basic Spanish grammar to help them build fluency and understand the structure of the Spanish language.

440020 SPANISH II

\$80



TERM: YEAR CREDIT: 1

Spanish II is a year-long course. The purpose of the course is to strengthen Spanish listening, speaking, reading, and writing skills. Students will learn practical communication skills, based on the Can-Do statements published by the American Council on the Teaching of Foreign Languages (ACTFL). The goal of the course is for all students to reach the Novice-High level of proficiency in speaking, listening, reading, and writing. The course meets all requirements set forth in the Arkansas Modern Languages framework for second-year language.

In Spanish II, students will participate in a range of collaborative and communicative tasks. They will explore the Spanish language and also the history and cultures of Spanish-speaking countries. Students will contribute regularly to spoken and written discussions, and will provide feedback to one another on the insights that they share. Student progress will be marked on rubrics designed around the ACTFL proficiency standards for speaking and writing.

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

440030 SPANISH III

\$80



TERM: YEAR 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.



CORE COURSES

441000 FRENCH I

\$80



TERM: YEAR CREDIT: 1

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; strive to speak with comprehensible pronunciation; read and write simple French sentences; and discuss and demonstrate appreciation for Francophone cultures.

441010 FRENCH II

\$80



TERM: YEAR 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.

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

442000 GERMAN I

\$80



TERM: YEAR 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 and includes applications, problem solving, higher-order thinking skills, and performance-based, open-ended assessments with rubrics.

442010 GERMAN II

\$80



TERM: YEAR CREDIT: 1

German II develops and expands the fundamental skills introduced in German I. 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 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 German I in order to enroll in German II.

449010 AMERICAN SIGN LANGUAGE I

\$80



TERM: YEAR CREDIT: 1

ASL I provides an introduction to the basic skills in production and comprehension of American Sign Language. The course focuses on the alphabet, numbers, fingerspelling, 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, individual feedback, 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. The goal is to be able to carry on a short conversation with another student by the end of the course. Also, students will develop the practical skills and knowledge necessary for basic interactions within the deaf community.

449020 AMERICAN SIGN LANGUAGE II (PREREQUISITE)

\$80



TERM: YEAR CREDIT: 1

Students will build upon the skills that were taught in ASL I and continue to increase their ability to comprehend and respond with increasing accuracy to expressive American Sign Language. ASL II provides basic instruction in production and comprehension, vocabulary, and grammar, and eventually leads to increased communicative and cultural proficiency in ASL. Emphasis is placed on the progressive development of expressive and receptive skills. The culture, history, current events, and traditions of the Deaf community are introduced on the appropriate level through selected readings, visual recordings, and other authentic materials. Visually attending, signing, individual



feedback, interactive activities and group activities are designed to instruct, reinforce, connect language skills, and develop signacy. This course includes applications, problem solving, higher-order thinking skills, and performance-based and project-based assessments. Students will be able to converse with another student or individuals within the Deaf community with emphasis on appropriate language used in common communication settings.

Prerequisite: You must have received credit for both semesters of American Sign Language I in order to enroll in American Sign Language II.

**AGRICULTURE, FOOD and NATURAL RESOURCES CLUSTER****AGRIBUSINESS SYSTEMS PROGRAM OF STUDY****491030 AGRIBUSINESS MANAGEMENT****\$60****TERM: YEAR CREDIT: 1****GRADE LEVEL: 10-12**

This course covers the principles of agribusiness including ways of doing business in a free market economic system, entrepreneurship, business start-up, business plans, management, facility needs, legal aspects and tax responsibilities, personnel, and ethics.

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

ARTS, AUDIO VISUAL, TECHNOLOGY and COMMUNICATIONS CLUSTER**PHOTOGRAPHY PROGRAM OF STUDY****494350 FUNDAMENTALS OF PHOTOGRAPHY****\$80****TERM: YEAR CREDIT: 1****GRADE LEVEL: 9-12**

This core introductory program is designed to provide practical knowledge and skill in preparation for a 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

494370 INTERMEDIATE PHOTOGRAPHY**\$60****TERM: YEAR CREDIT: 1****GRADE LEVEL: 10-12**

This core production based program is designed to provide the second year photography student with fine-tuned knowledge and skills.

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: Fundamentals of Photography

494380 ADVANCED PHOTOGRAPHY**\$60****TERM: YEAR CREDIT: 1****GRADE LEVEL: 11-12**

This independent production based program is designed to provide the advanced photography student with practical 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

Prerequisite: Intermediate Photography

HUMAN SERVICES CLUSTER**FAMILY AND CONSUMER SCIENCES EDUCATION****491990 FINANCIAL LITERACY****\$80****TERM: FALL & SPRING CREDIT: .5****GRADE LEVELS: 10-12**

This is a one-semester course designed to increase financial literacy 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 also on activities and competitions within career technical student organizations (i.e., FBLA, FCCLA, and DECA)

**FINANCE CLUSTER****ACCOUNTING PROGRAM OF STUDY****492120 COMPUTERIZED BUSINESS APPLICATIONS****\$80****TERM: YEAR****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

492100 COMPUTERIZED ACCOUNTING I**\$60****TERM: YEAR****CREDIT: 1****GRADE LEVELS: 9-12**

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**\$60****TERM: YEAR****CREDIT: 1****GRADE LEVELS: 10-12**

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. Can count as Beyond Algebra II for purposes of Smart Core.

HEALTH SCIENCE CLUSTER**MEDICAL PROFESSIONS PROGRAM OF STUDY OR SPORTS MEDICINE PROGRAM OF STUDY****494050 FOUNDATIONS OF SPORTS MEDICINE****\$60****TERM: YEAR****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**\$60****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 terminology, predisposing factors of diseases, diagnosis, prognosis, and disease treatments. Following the introduction, the course proceeds into a study of the immune system, then goes into infectious diseases and their transmission. Other types of diseases, such as genetic disorders, cancer, and reproductive pathology are also studied.

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: This course is designed for students who have an interest in medical topics and who enjoy science.

Prerequisite: Students should have completed one semester of Biology, the 1st semester of Human Anatomy or Medical Terminology.

**495300 HUMAN ANATOMY AND PHYSIOLOGY****\$60****TERM: YEAR****CREDIT: 1****GRADE LEVELS: 9-12****FULFILLS A CORE THIRD SCIENCE REQUIREMENT, COUNTS AS A CAREER FOCUS CREDIT UNDER THE SMART CORE**

This full year course provides an introduction to Human Anatomy and Physiology, exploring the structure and function of human body parts and how they function together. It also explores what happens when these parts do not function correctly. It begins with a study of anatomical terms and organization of the human body, and then proceeds to body chemistry, cells, cellular metabolism, and tissues. After this, it continues on to a study of bones and muscles, then to various other body 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

Prerequisite: Students should have credit for both semesters of Biology**495320 HUMAN BEHAVIOR AND DISORDERS****\$60****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

Prerequisite: Abnormal Psychology**495350 FOUNDATIONS OF HEALTH CARE****\$80****TERM: YEAR****CREDIT: 1****GRADE LEVELS: 9-12**

This course is designed to introduce students to medical professions and the basic foundational skills for first aid and the treatment of patients. Along with Anatomy and Physiology, this is a foundation core course for subsequent education and training in health services. This course is a revised combination of Introduction to Medical Professions and Medical Procedures.

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

495360 MEDICAL TERMINOLOGY**\$60****TERM: FALL & SPRING CREDIT: .5****GRADE LEVELS: 9-12**

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

Prerequisite: Biology**495370 ABNORMAL PSYCHOLOGY****\$60****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

HOSPITALITY AND TOURISM PROGRAM OF STUDY

492260 TOURISM INDUSTRY MANAGEMENT

\$60



TERM: YEAR

CREDIT: 1

GRADE LEVELS: 9-12

The content includes but is not limited to customer service, management and supervisory development, management theory, decision making, organization, communications, human relations, leadership training, personnel training, travel counseling, reservationists, ticketing, tour development, security, sales, travel and tourism accounting, marketing, and convention management, applicable local, state, and federal laws and asset 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

492230 ARKANSAS HOSPITALITY AND TOURISM

\$60



TERM: SPRING

CREDIT: .5

GRADE LEVELS: 9-12

Arkansas Tourism is a one-semester course designed to familiarize students with Arkansas careers in hospitality and the opportunities available to promote travel and tourism in the state. Emphasis will be on the food industry, transportation industry, lodging industry, and tourist attractions within the various geographical locations in the state. 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

LAW, PUBLIC SAFETY, SECURITY and CORRECTIONS CLUSTER

CRIMINAL JUSTICE PROGRAM OF STUDY

494610 CRIMINAL LAW

\$60



TERM: YEAR

CREDIT: 1

GRADE LEVELS: 9-12

This course emphasizes the study of substantive criminal law. Selected crimes most likely to be dealt with by the criminal justice professional are explored through discussion, where applicable, of the English Common Law precedents, general modern application and specific Arkansas Criminal Code.

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

494620 INTRODUCTION TO CRIMINAL JUSTICE

\$80



TERM: YEAR

CREDIT: 1

GRADE LEVELS: 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.

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

590110 INTRODUCTION TO CAREERS IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY \$60



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 ARKANSAS LEGAL

\$60



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: Yes, Career & Technical

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

MARKETING, SALES, and SERVICE CLUSTER**MARKETING TECHNOLOGY & RESEARCH PROGRAM OF STUDY****492190 FASHION MERCHANDISING****\$60****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**\$80****TERM: YEAR CREDIT: 1 GRADE LEVELS: 9-12**

Marketing students will find out what it takes to market a product or service in today's fast-paced business environment. Students will learn the fundamentals of marketing using real-world business examples. Students will learn about buyer behavior, marketing research principles, demand analysis, distribution, financing, and product management. Marketing is a two-semester course. **Prerequisites:** Computer Applications I and II (492490, 492500), or Computerized Business Applications (492120), or Technology Design Applications (460100)

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**\$60****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**AVIATION FLIGHT PROGRAM OF STUDY****590090 FUNDAMENTALS OF FLIGHT****\$60****DOES NOT SATISFY ACT 1280****TERM: YEAR 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.

590090 AIRPORTS, AIRSPACE, AND WEATHER**\$60****DOES NOT SATISFY ACT 1280****TERM: YEAR CREDIT: 1 GRADE LEVELS: 10-12**

The second course in a series of three will introduce students to aircraft systems, aeronautical charts, airport structure, the national airspace system, basic weather theory, and aviation weather services. Flight maneuvers will be continued and a flight training device will be used to provide practical exposure to the flight maneuvers.

Prerequisite: Fundamentals of Flight

**590090 PRIVATE PILOT OPERATIONS****\$60****DOES NOT SATISFY ACT 1280****TERM: YEAR****CREDIT: 1****GRADE LEVELS: 10-12**

The third course in a series of three will introduce students to Aircraft Performance, Flight Manuals, Regulations, Navigation, Aero-medical Factors, and Aeronautical Decision Making. Flight maneuvers and navigation will be introduced. A flight training device will be used to provide practical exposure to flight maneuvers and navigation.

Prerequisite: Fundamentals of Flight and Airports, Airspace, and Weather



ALL OF THE COURSES ARE FOR CONCURRENT CREDIT. A 3 CREDIT HOUR COLLEGE COURSE EQUALS ONE (1) HIGH SCHOOL CREDIT. ALL CONCURRENT CREDIT COURSES ARE \$80 PER SEMESTER. Classes are available to high school students who meet the admission requirements and prerequisites for Virtual Arkansas and ATU, as well as prerequisites for the specific course.

ARKANSAS TECH UNIVERSITY FALL 2019 – ATU ACCEPTS ACT, ASPIRE, ACCUPLACER, AND SAT FOR ADMISSION

514000 CONCURRENT CREDIT ORAL COMMUNICATION	\$80			ATU COMM 2003	PUBLIC SPEAKING
Fundamentals of composition, delivery, and logical reasoning. Effective utilization of basic visual aids will be included.					
519930 CONCURRENT CREDIT ENGLISH 11	\$80			ATU ENGL 1013	COMPOSITION I
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 in each of the two composition courses used to satisfy the general education requirement of English/Communication.					
519940 CONCURRENT CREDIT ENGLISH 12	\$80			ATU ENGL 1013	COMPOSITION I
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 in each of the two composition courses used to satisfy the general education requirement of English/Communication.					
539900 CONCURRENT CREDIT BEYOND ALGEBRA II	\$80			ATU MATH 1113	COLLEGE ALGEBRA
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.					
539900 CONCURRENT CREDIT BEYOND ALGEBRA II	\$80			ATU MATH 1003	COLLEGE MATH
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 or better must be earned in this course if being used to satisfy the general education mathematics requirement.					
549900 CONCURRENT CREDIT FOREIGN LANGUAGE	\$80			ATU SPAN 1013	BEGINNING SPANISH I
Training in the elements of Spanish communication {speaking and writing) and comprehension (listening and reading) within a variety of cultural contexts.					
559000 CONCURRENT CREDIT FINE ARTS	\$80 NOT NCAA APPROVED			ATU ART 2123	EXPERIENCING ART
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.					



CONCURRENT CREDIT COURSES

[579910](#) CONCURRENT CREDIT WORLD HISTORY

\$80



ATU HIST 1503

WORLD HIST TO 1500

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

[579920](#) CONCURRENT CREDIT AMERICAN HISTORY

\$80



ATU HIST 2003

U.S. HIST TO 1877

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

ARKANSAS TECH UNIVERSITY **SPRING 2020** – ATU ACCEPTS ACT, ASPIRE, ACCUPLACER, AND SAT FOR ADMISSION

[514000](#) CONCURRENT CREDIT ORAL COMMUNICATION

\$80



ATU COMM 2003

PUBLIC SPEAKING

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

[519930](#) CONCURRENT CREDIT ENGLISH 11

\$80



ATU ENGL 1023

COMPOSITION II

A continuation of ENGL 1013 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](#) CONCURRENT CREDIT ENGLISH 12

\$80



ATU ENGL 1023

COMPOSITION II

A continuation of ENGL 1013 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](#) CONCURRENT CREDIT BEYOND ALGEBRA II

\$80



ATU MATH 1113

COLLEGE ALGEBRA

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](#) OTHER CONCURRENT CREDIT FOREIGN LANGUAGE

\$80



ATU SPAN 1023

BEGINNING SPANISH II

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.

[559000](#) CONCURRENT CREDIT FINE ARTS

\$80 NOT NCAA APPROVED



ATU ART 2123

EXPERIENCING ART

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.



CONCURRENT CREDIT COURSES

[579910](#) CONCURRENT CREDIT WORLD HISTORY

\$80



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

ATU HIST 1513

WORLD HIST SINCE 1500

[579920](#) CONCURRENT CREDIT AMERICAN HISTORY

\$80



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

ATU HIST 2013

U.S. HIST SINCE 1877