



**ARKANSAS**

**VIRTUAL ACADEMY<sup>SM</sup>**

*...where every student can achieve.*

## **ARKANSAS VIRTUAL ACADEMY**

**2024-2025**

### **COURSE CATALOG**

#### **Mission Statement:**

*To build relationships, instruct with relevance and prepare students for the rigor of career and college success.*

#### **Our Vision:**

*ARVA will be the most well-known and respected virtual school of choice in Arkansas.*

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## INTRODUCTION

This course catalog is for you to select your courses for the 2023-2024 school year. It is the responsibility of the student and parent(s) to choose the appropriate career and graduation plan. Please give you graduation requirements and career goals careful thought and consideration as you fill out your course selections.

## ARKANSAS ACADEMIC CHALLENGE SCHOLARSHIP PROGRAM

The Arkansas Department of Higher Education sponsors the Arkansas Academic Challenge Scholarship Program to recognize selected students for scholastic achievement as measured by their academic records and ACT scores.

The Arkansas Academic Challenge Scholarship may be renewed for up to four years. Students should apply between October 1 and June 1 of their senior year.

### Eligibility Requirements:

\*Graduate from an Arkansas public high school and earn a 19 or better composite score on the ACT.

## COUNSELORS

Maegan Tipton	9 <sup>th</sup> Grade Counselor	<a href="mailto:mtipton@arva.org">mtipton@arva.org</a>
Darla Tomasko	10 <sup>th</sup> Grade Counselor	<a href="mailto:datomasko@arva.org">datomasko@arva.org</a>
Amber Jones	11 <sup>th</sup> Grade Counselor	<a href="mailto:amjones@arva.org">amjones@arva.org</a>
Cara Collum	12 <sup>th</sup> Grade Counselor	<a href="mailto:ccollum@arva.org">ccollum@arva.org</a>
Kelsey Southerland	9 <sup>th</sup> -12 <sup>th</sup> Special Programs Counselor	<a href="mailto:kesoutherland@arva.org">kesoutherland@arva.org</a>
Deborah McAfee	Counselor/Registrar	<a href="mailto:dmcafee@arva.org">dmcafee@arva.org</a>

# Honors Requirements

## Honors

- Completes all local graduation requirements for Core or Smart Core as defined by the State Board of Education
- Maintains a minimum grade point average (GPA) of 3.5 – 3.74
- Completes a minimum of one year of Foreign Language and/or is a Career/Technical Completer
- No failing grade in a credit-bearing course

## High Honors

- Completes all local graduation requirements for Core or Smart Core as defined by the State Board of Education
- Maintains a minimum grade point average (GPA) of 3.75 – 3.99
- Completes 1 year of Foreign Language and/or is a Career/Technical Completer
- Completes a minimum of four (4) Honors/AP/Concurrent Credit Courses
- Enrolled at Arkansas Virtual Academy for 4 semesters
- No failing grade in a credit-bearing course

## Distinguished Honors

- Completes all local graduation requirements for Core or Smart Core as defined by the State Board of Education
- Maintains a minimum grade point average (GPA) of 4.00
- Completes 1 year of Foreign Language and/or is a Career/Technical Completer
- Completes a minimum of four (4) Honors/AP/Concurrent Credit Courses
- Enrolled at Arkansas Virtual Academy for 4 semesters
- No failing grade in a credit-bearing course

*\*GPA will be calculated on all accumulated credits through the spring semester of the senior year.*

# HONORS COURSES

## LANGUAGE ARTS

- Honors English 9
- Honors English 10
- AP Language Arts & Composition (English 11)
- AP Literature (English 12)

## MATH

- Honors Algebra I
- Honors Algebra II
- Honors Geometry
- Pre-Calculus/Trigonometry
- Probability and Statistics

## SCIENCE

- Honors Biology
- Honors Chemistry
- Physics
- Anatomy & Physiology
- AP Environmental Science

## HISTORY

- Honors World History
- AP United States History

**CONCURRENT CREDIT LANGUAGE ARTS, MATH, SCIENCE, AND HISTORY COURSES ARE ALSO CONSIDERED HONORS LEVEL**

# Arkansas Graduation Requirements

Course Requirements	Credit
<b>English Language Arts</b>	<b>4</b>
English 9	1
English 10	1
English 11	1
English 12	1
<b>Mathematics</b>	<b>4</b>
Algebra I	1
Geometry	1
Algebra II	1
OR other ADE approved Mathematics *requires Smart Core waiver	
ADE Approved Mathematics or Computer Science Flex Credit	1
<b>Science</b>	<b>3</b>
Biology	1
Physical Science	1
ADE Approved third Science or Computer Science Flex Credit	1
<b>Social Studies</b>	<b>3</b>
World History	1
U.S. History	1
Civics	0.5
Economics with Personal Finance (embedded in Financial Planning Wealth Management)	0.5
<b>Physical Education</b>	<b>0.5</b>
<b>Fine Arts</b>	<b>0.5</b>
<b>Oral Communication</b>	<b>0.5</b>
<b>Health &amp; Safety</b>	<b>0.5</b>
<b>Career Focus Electives</b>	<b>6</b>
<b>Total</b>	<b>22</b>

**Other Graduation Requirements:**

- Students must pass the Arkansas Civics Exam
- Students must complete CPR training
- Beginning with the entering 9th grade class of 2022-2023, a public high school student shall be required to earn one (1) unit of credit in an ADE approved high school computer science course before the student graduates
- Beginning with the entering 9<sup>th</sup> grade class of 2023-2024, a public high school student shall complete community service learning requirement

\*The courses below will have 2 course code name and number. The state course code name and number will appear first and the K12 name and number will follow.

## **FINE ARTS**

### **453100 Visual Art Appreciation**

#### **ART040 Summit Art Appreciation**

This course combines art history, appreciation, and analysis, while engaging students in hands-on creative projects. Lessons introduce major periods and movements in art history while focusing on masterworks and the intellectual, technical, and creative processes behind those works.

**Grade Level: 9-12**

**Prerequisite: None**

**½ credit**

### **453030 Music Appreciation**

#### **ART020B Summit Music Appreciation**

This class is one semester. We cover the history of American music through jazz, blues, Motown, gospel, country, bluegrass, folk, rock, hip hop, and rap. Each unit has a project and there is a final project for the course.

**Grade Level: 9-12**

**Prerequisite: None**

**½ credit**

### **450000 Visual Art Foundations 1**

#### **ART010A/B Summit Fine Art**

It is important for all artists regardless of experience or skill to have a strong grasp of the fundamentals of art. These fundamentals are the basic building blocks for creating successful works of art and when applied to practice, result in improved skill and artistic expression. This course will teach the fundamentals of art, including the elements and principles of art and design, as well as explore various mediums.

**Grade Level: 9-12**

**Prerequisite: None**

**1 credit**

### **452000 Vocal Ensemble I**

#### **CS-Solo Vocal Music I A/B AR**

This solo vocal course is for first year voice students. This is not like a choir class as we do not have the capabilities to perform together. Students will work on vocal techniques and singing a variety of styles. You are not graded on your ability but on continued improvement. Performing live in front of class is not required but encouraged.

**Grade Level: 9-12**

**Prerequisite: None**

**½ or 1 credit**

## **452040, 452050, 452060 Vocal Ensemble II-IV**

### **CS-Solo Vocal Music A/B AR**

This solo vocal course is for second through fourth year voice students. This is not like a choir class as we do not have the capabilities to perform together. Students will work on vocal techniques and singing a variety of styles. You are not graded on your ability but on continued improvement. Student should successfully complete the preceding year of study.

**Grade Level: 9-12**

**Prerequisite: Preceding year of Vocal Ensemble**

**½ or 1 credit**

## **451500 Music Lab - Guitar**

### **CS Music Lab I (Guitar)**

This class is a year-long class. Students may join at semester. Beginners and experienced guitarists are accepted. Must have access to a practice instrument. Students can work at an individualized pace with the instructor. Students taking guitar with a private music instructor can use their private lesson material as weekly grade assignments. Weekly class connect session will be required to demonstrate progress.

**Grade Level: 9-12**

**Prerequisite: Must have access to a guitar**

**½ credit or 1 credit**

## **451510, 451420, 451530 Music Lab- Guitar II-IV**

### **CS Music Lab (Guitar)**

This class is a year-long class. Students may join at semester. Beginners and experienced guitarists are accepted. Must own instrument. Students can work at an individualized pace with the instructor. Students taking guitar with a private music instructor can use their private lesson material as weekly grade assignments. Weekly class connect session will be required to demonstrate progress. Student should successfully complete the preceding year of study.

**Grade Level: 9-12**

**Prerequisite: Preceding year of guitar lab**

**½ credit or 1 credit**

## **459020 Music Technology**

### **CS Music Technology A/B**

This class is a year-long class. First semester covers recording technology and learning to use Audacity as a digital audio workstation. Second semester covers production/programming and learning to use either LMMS as a production software, or any other production software available to student. Career options in music tech are covered in second semester.

**Grade Level: 9-12**

**Prerequisite: None1**

**credit**



## **451500 Music Lab - Piano**

### **CS Piano A/B**

This class is a year-long class. Students may join at semester. Beginners and experienced pianist/keyboardist are accepted. Must have access to a practice instrument. Students can work at an individualized pace with the instructor. Students taking piano/keyboard with a private music instructor can receive credit and use their private lesson material as weekly grade assignments. Weekly CC session will be required to demonstrate progress.

**Grade Level: 9-12**

**Prerequisite: None**

**½ credit or 1 credit**

## **451510, 451420, 451530**

### **Music Lab-Piano II-IV**

This class is a year-long class. Students may join at semester. Beginners and experienced pianist/keyboardist are accepted. Must have access to a practice instrument. Students can work at an individualized pace with the instructor. Students taking piano/keyboard lessons with a private music instructor can use their private lesson material as weekly grade assignments. Weekly CC session will be required to demonstrate progress. Student should successfully complete the preceding year of study.

**Grade Level: 9-12 Prerequisite: Preceding year of Piano**

**½ credit or 1 credit**

## **451000, 451040, 451050, 451060 Concert Band 1, 2, 3, 4**

### **CS Band A/B**

### **Woodwinds/Brass/Percussion**

This class is a year-long class. Students may join at semester. Beginners and experience brass, woodwind, and percussion students are accepted. Must own instrument. This is a hybrid program that will expect one in-person day each semester at the Little Rock office (exceptions made as needed). Students can work at individualized pace. Student should successfully complete the preceding year of study.

**Grade Level: 9-12**

**Prerequisite: None**

**½ or 1 credit**

## FOREIGN LANGUAGE

### **440000 Spanish I**

#### **WLG100AE2/BE2 Spanish I**

Students begin their introduction to Spanish by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and take frequent assessments by which their language progression can be monitored.

**Grade Level: 9-12**

**Prerequisite: None**

**1 credit**

### **440020 Spanish II**

#### **WLG200AE2/BE2**

#### **Spanish II**

Students continue their study of Spanish by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; understand common vocabulary terms and phrases; use a wide range of grammar patterns in their speaking and writing; participate in conversations and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and take frequent assessments by which their language progression can be monitored. By Semester 2, the course is conducted almost entirely in Spanish.

**Grade Level: 9-12**

**Prerequisite: "D" or better in Spanish I**

**1 credit**

### **440030 Spanish III WLG300AE2/BE2 Spanish III**

Students further deepen their understanding of Spanish by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in more formal spoken and written contexts. Students should expect to be actively engaged in their own language learning; use correct vocabulary terms and phrases naturally; incorporate a wide range of grammar concepts consistently and correctly while speaking and writing; participate in conversations covering a wide range of topics and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; read and analyze important pieces of Hispanic literature; and take frequent assessments by which their language progression can be monitored.

**Grade Level: 10-12**

**Prerequisite: "D" or better in Spanish II**

**1 credit**

## LANGUAGE ARTS

### **410000 English 9**

#### **ENG108AE2/BE2 Summit English 9 AR**

This English 9 Summit course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 9. Throughout the course, students practice narrative, informational, and argumentative writing. Students also develop and deliver presentations and participate in discussions with their peers.

**Grade Level: 9-12**

**Prerequisite: None**

**1 credit**

### **41000H English 9 Honors**

#### **ENG108AE2/BE2 Summit English 9 Honors AR**

This course includes all the topics in ENG108 along with an independent honors project at the end of each semester.

**Grade Level: 9-12**

**Prerequisite: None**

**1 credit**

### **411000 English 10**

#### **ENG208AE2/BE2 Summit English 10 AR**

This Summit English 10 course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 10. Throughout the course, students practice narrative, informational, and argumentative writing. Students also develop and deliver presentations and participate in discussions with their peers.

**Grade Level: 9-12**

**Prerequisite: English 9**

**1 credit**

#### **ENG208AE2/BE2 Summit English 10 AR Honors**

This course includes all the topics in ENG208 along with an independent honors project at the end of each semester.

**Grade Level: 9-12**

**Prerequisite: English 9**

**1 credit**

## **412000 English 11**

### **ENG303A/B Summit American Literature**

In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics. Students will develop writing skill through literary analysis essays and an MLA style research paper.

**Grade Level: 9-12**

**Prerequisite: English 10**

**1 credit**

## **517030 AP English Language & Composition**

### **ENG500A/B AP English Language & Composition**

Students learn to understand and analyze complex works by a variety of authors. They explore the richness of language, including rhetorical modes, syntax, imitation, word choice, and tone. They also learn composition style and process, starting with exploration, planning, and writing. This continues with editing, peer review, rewriting, polishing, and applying what they learn to academic, personal, and professional contexts. In this equivalent of an introductory college-level survey class, students prepare for the AP<sup>®</sup> Exam.

**Grade Level: 11**

**Prerequisite: English 10**

**1 credit**

## **413000 English 12**

### **ENG403A/B Summit British World Literature**

Students read selections from British and world literature and analyze the themes, styles, and structures of these texts. They also make thematic connections among diverse authors, periods, and settings. Students complete guided and independent writing assignments that refine their analytical skills. Students will complete a research project. Students also practice critical reading and writing test-taking skills.

**Grade Level: 12**

**Prerequisite: English 11**

**1 credit**

## **413010 Transitional English**

### **CS Transitional EngA/B CS Transitional English 12**

Transitional English 12 is a two-semester ELA course, designed to dramatically accelerate students' literacy skills essential for college and career readiness. The course is comprised of the two Transitional Literacy Ready ELA units and additional district-developed units of study that together encompass the ELA Common Core State Standards (CCSS) for Grade 12.

**Grade Level: 12**

**Prerequisite: English 11**

**1 credit**

## **517040 AP English Literature & Composition ENG510A/B AP(R) AP English Literature & Composition**

In this course, the equivalent of an introductory college-level survey class, students are immersed in novels, plays, poems, and short stories from various periods. Students read and write daily, using a variety of multimedia and interactive activities, interpretive writing assignments, and discussions. The course places special emphasis on reading comprehension, structural and critical analyses of written works, literary vocabulary, and recognizing and understanding literary devices. Students prepare for the AP® Exam.

**Grade Level: 12**

**Prerequisite: English 11**

**1 credit**

### **Composition I**

An introduction to college-level writing with extensive practice in the writing process and basic rhetorical types as well as a review of standard editing conventions. This course also includes the building of vocabulary and the development of reading skills.

**Grade Level: 10-12**

**1 credit**

### **Composition II**

Designed to confirm and extend students' ability to write educated English prose. This course seeks to enable the students, through extensive writing practice, to develop their skills in each of several rhetorical and critical types. While emphasizing writing, the course also requires continued vocabulary development and analytical reading in literature of various types. The course also introduces students to the conventions of documentation and manuscript form.

**Grade Level: 10-12**

**Prerequisite: Comp. I with a grade of "C" or better**

**1 credit**

## **415000 Journalism I**

### **COM230/231 Intro to Journalism/Investigating the Truth**

Journalism I is a two-semester course designed to introduce students to the world of media. Students in Journalism I will become analytical consumers of media and technology to enhance their communication skills. Writing, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, and produce effective communication. Students will learn and apply journalistic guidelines for writing, design, and photography, which include objectivity, responsibility, and credibility.

**Grade Level: 9-12**

**Prerequisite: None**

**1 credit (career focus)**

## **417020 Creative Writing**

### **ENG030A/B Summit Creative Writing**

Students create original essays, poems, short stories, and multi-media presentations in this course, which focuses on the four-step process writing model. They read professionally written forms of creative writing as models and then integrate their impressions of these works with their personal life experiences as they compose their own writing projects.

Students are encouraged to write about topics they find engaging as they practice writing on the following themes: narration, definition, process analysis, cause and effect, and comparison/contrast. The teacher supplies feedback that helps students learn how to improve their self-expression and self-editing skills.

**Grade Level: 9-12 Prerequisite: None1**

**credit (career focus)**

## **419110 Critical Reading I**

### **CS HS English Learner Lab**

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

**Grade Level: 9-12**

**Prerequisite: None**

**1 credit (career focus)**

## **419120 Critical Reading II**

### **HS English I/ SR HS English Language Arts Skills Recovery II**

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

**Grade Level: 9-12**

**Prerequisite: Critical Reading I**

**1 credit (career focus)**



# MATHEMATICS

## **430000 Algebra I**

### **MTH128A/B Summit Algebra I AR**

This Summit Algebra 1 course is intended to formalize and extend the mathematics that students learned in the middle grades. Because it is built to follow revised middle school math courses, the course covers slightly different ground than previous versions of algebra. In this course, students deepen their understanding of linear and exponential relationships by contrasting them with each other. Students also apply linear models to data that exhibit a linear trend. The course also covers analyzing, solving, and using quadratic functions.

**Grade Level: 8-12**

**Prerequisite: None**  
**1 credit**

## **596000 Critical Algebra**

### **MTH113AE2/BE2 Pre-Algebra**

Course is designed for 9th grade students who struggled in 8th grade math due to concept or knowledge gaps. This course supports Algebra 1 and is taken concurrently with the Algebra 1 course. This course fills concepts gaps and helps to create a solid foundation for future math endeavors

### **Algebra 1 with Critical Algebra**

This course is designed to cover essential standards of Algebra 1. The course may move slower than typical Algebra 1 and may not cover all the units or lessons in the curriculum. This course is directly supported by the Critical Algebra course that is taken concurrently. Students will be taught standards and skills needed to solidify their foundation in math and to be successful on the state assessment for Algebra 1.

**Grade Level: 9-12**

**Prerequisite: None**  
**1 credit (career focus elective)**

## **43000H Algebra I Honors**

### **MTH129A/B Summit Algebra I AR (Honors)**

This course includes all the topics in MTH128 as well as several extension activities. Each semester also includes an independent honors project.

**Grade Level: 8-12**

**Prerequisite: None**  
**1 credit**

## **431000 Geometry**

### **MTH208A/B Summit Geometry**

This Summit Geometry course builds on the geometry covered in middle school to explore more complex geometric situations and deepen students' ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include similarity and congruence, analytic geometry, circles, the Pythagorean theorem, right triangle trigonometry, analysis of three-dimensional objects, conic sections, and geometric modeling.

**Grade Level: 9-12**

**Prerequisite: None**

**1 credit**

## **43100H Geometry Honors**

### **MTH209A/B Summit Geometry Honors**

This course includes all the topics in MTH208 as well as several extension activities. Each semester also includes an independent honors project.

**Grade Level: 9-12**

**Prerequisite: None**

**1 credit**

## **432000 Algebra II**

### **MTH308A/B Algebra II AR**

This Summit Algebra 2 course, students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical, and trigonometric functions. Students also expand their ability to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The course covers sequences and series, probability distributions, and more advanced data analysis techniques.

**Grade Level: 9-12**

**Prerequisite: Algebra I**

**1 credit**

## **43200H Honors Algebra II**

### **MTH309A/B Summit Algebra II Honors**

This course includes all the topics in MTH308 as well as several extension activities. Each semester also includes an independent honors project. **Advanced Algebra II is designed for students on the math fast track having had Algebra I in the 8<sup>th</sup> grade and Geometry in the 9<sup>th</sup> grade.**

**Grade Level: 9-12**

**Prerequisite: Algebra I**

**1 credit**

## **439120 Quantitative Literacy**

### **MTH307A/B Practical Math AR**

In this course, students use math to solve real-world problems—and real-world problems to solidify their understanding of key mathematical topics. Data analysis, math modeling, and personal finance are key themes in this course. Specific topics of study include statistics, probability, graphs of statistical data, regression, finance, and budgeting. In addition, students learn how to use several mathematical models involving algebra and geometry to solve problems. Proficiency is measured through frequent online and offline assessments as well as class participation. Units focused on projects also allow students to apply and extend their math skills in real-world cases.

**Grade Level: 11-12**

**Prerequisite: Algebra I & Geometry**

**1 credit**

## **439130 Technical Math**

### **MFG310 Indus Tech Math Blueprint Reading**

Explore real-world applications and modeling by collecting, organizing, and interpreting data for practical insights. Build abilities in strategic thinking and flexible reasoning using numbers, graphs, symbols, and words. Use technology tools like graphing calculators and computers to enhance understanding.

**Grade Level: 9-12**

**Prerequisite: Algebra I & Geometry**

**1 credit**

## **539900 Concurrent Credit Beyond Algebra II**

**1 credit**

## **433000 Pre-Calculus/Trigonometry**

### **MTH403A/B Pre-Calculus**

Pre-calculus weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; and conic sections in the first semester. The second semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and arithmetic of complex numbers. Cross-curricular connections are made throughout the course to calculus, art, history, and a variety of other fields related to mathematics.

**Grade Level: 11-12**

**Prerequisite: Algebra II**

**1 credit**

## **439090 Statistics**

### **MTH413A/B Probability & Statistics**

Students learn counting methods, probability, descriptive statistics, graphs of data, the normal curve, statistical inference, and linear regression. Proficiency is measured through frequent online and offline assessments, as well as asynchronous discussions. Problem-solving activities provide an opportunity for students to demonstrate their skills in real-world situations.

**Grade Level: 11-12**

**Prerequisite: Algebra II**

**1 credit**

## **539030 AP Statistics**

### **MTH510A/B AP Statistics**

This course is the equivalent of an introductory college-level course. Statistics—the art of drawing conclusions from imperfect data and the science of real-world uncertainties— plays an important role in many fields. Students collect, analyze, graph, and interpret real-world data. They learn to design and analyze research studies by reviewing and evaluating examples from real research.

Students prepare for the AP<sup>®</sup> Exam.

**Grade Level: 11-12**

**Prerequisite: Algebra II**

**1 credit**

## ORAL COMMUNICATION

### **414200 Oral Communication**

#### **ENG020A Summit Oral Comm AR**

Students are introduced to public speaking as an important component of their academic, work, and social lives. They study public speaking occasions and develop skills as fair and critical listeners, or consumers, of spoken information and persuasion. Students study types of speeches (informative, persuasive, dramatic, and special occasion), read and listen to models of speeches, and prepare and present their own speeches to diverse audiences. Students learn to choose speaking topics and adapt them for specific audiences, to research and support their ideas, and to benefit from listener feedback. They study how to incorporate well-designed visual and multimedia aids in presentations and how to maintain a credible presence in the digital world. Students also learn about the ethics of public speaking and about techniques for managing communication anxiety.

**Grade Level: 9-12**

**Prerequisite: None**

**½ credit**

## PHYSICAL EDUCATION AND HEALTH

### **480000 Health and Wellness**

#### **OTH010 Skills for Health**

**\*Will complete state required CPR test in this course**

This course focuses on important skills and knowledge in nutrition; physical activity; the dangers of substance use and abuse; injury prevention and safety; growth and development; and personal health, environmental conservation, and community health resources. The curriculum is designed around topics and situations that engage student discussion and motivate students to analyze internal and external influences on their health-related decisions. The course helps students build the skills they need to protect, enhance, and promote their own health and the health of others.

**Grade Level: 9-12**

**Prerequisite: None**

**½ credit**

### **485000 Physical Education**

#### **OTH020A Summit Physical Education**

This pass/fail course combines online instructional guidance with student participation in weekly cardiovascular, aerobic, muscle-toning, and other activities. Students fulfill course requirements by keeping weekly logs of their physical activity. The course promotes the value of lifetime physical activity and includes instruction in injury prevention, nutrition and diet, and stress management. Students may enroll in the course for either one or two semesters and repeat for further semesters as needed to fulfill state requirements.

**Grade Level: 9-12**

**Prerequisite: None**

**½ credit**

## SCIENCE

### **423000 Physical Science – Integrated**

#### **SCI102AE3/BE3 Summit Physical Science**

Students explore the relationship between matter and energy by investigating force and motion, the structure of atoms, the structure and properties of matter, chemical reactions, and the interactions of energy and matter. Students develop skills in measuring, solving problems, using laboratory apparatuses, following safety procedures, and adhering to experimental procedures. Students focus on inquiry-based learning with laboratory investigations and experiences.

**Grade Level: 9-12**

**Prerequisite: None**

**1 credit**

### **420000 Biology – Integrated**

#### **SCI203AE3/BE3 Summit Biology**

In this comprehensive course, students investigate the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. The program consists of in-depth online lessons, including extensive animations, an associated reference book, collaborative explorations, and laboratory experiments students can conduct at home.

**Grade Level: 9-12 Prerequisite:**

**Physical Science**

**1 credit**

### **42000H Honors Biology - Integrated**

#### **SCI204AE3/BE3 Summit Honors Biology**

This course provides students with a challenging honors-level biology curriculum, focusing on the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. The program consists of advanced online lessons, including extensive animations, an associated reference book, collaborative explorations, and laboratory experiments students can conduct at home. Honors activities include debates, research papers, and extended laboratories.

**Grade Level: 9-12**

**Prerequisite: None**

**1 credit**

## **424030 Anatomy & Physiology**

### **SCI330AE2/BE2 Anatomy & Physiology I/II**

This elective science course gives students a solid basis of human anatomy & physiology. Students will learn about all organ systems along with medical ailments that are associated with each system.

**Grade Level: 11-12**

**Prerequisite: Biology AND**

**Chemistry**

**1 credit**

## **425020 Earth Science**

### **SCI113AE3/BE3 Summit Earth Science**

This course provides students with a solid earth science curriculum, focusing on geology, oceanography, astronomy, weather, and climate. The program consists of online lessons, an associated reference book, collaborative activities, and laboratories students can conduct at home. The course provides a base for further studies in geology, meteorology, oceanography, and astronomy, and gives practical experience in implementing scientific methods.

**Grade Level: 9-12**

**Prerequisite: None**

**1 credit**

## **424020 Environmental Science AR**

### **SCI010A/B Environmental Science AR**

This course surveys key topic areas, including the application of scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and atmospheric, land, and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment. Students explore actual case studies and conduct five hands-on, unit-long research activities, learning that political and private decisions about the environment and the use of resources require accurate application of scientific processes, including proper data collection and responsible conclusions.

**Grade Level: 9-12**

**Prerequisite: None**

**1 credit**

## **523030 AP Environmental Science**

### **SCI530A AP (R)/B AP (R) AP Environmental Science**

AP<sup>®</sup> Environmental Science is equivalent to an introductory college-level environmental science course and is designed to prepare students for the College Board AP<sup>®</sup> Environmental Science exam. AP<sup>®</sup> Environmental Science is interdisciplinary, incorporating various topics from different disciplines and areas of science.

**Grade Level: 11-12**

**Prerequisite: Algebra I AND Chemistry/Physics**

**1 credit**

## **421000 Chemistry - Integrated**

### **SCI303AE3/BE3 Summit Chemistry**

This comprehensive course gives students a solid basis to move on to future studies. The course provides an in-depth survey of all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry. The course includes direct online instruction, laboratories, and related assessments, used with a problem-solving book.

**Grade Level: 11-12**

**Prerequisite: Physical Science**

**1 credit**

## **42100H Honors Chemistry - Integrated**

### **SCI304AE3/BE3 Summit Honors Chemistry**

This advanced course gives students a solid basis to move on to more advanced courses. The challenging course surveys all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry, enhanced with challenging model problems and assessments. Students complete community-based written research projects, treat aspects of chemistry that require individual research and reporting, and participate in online threaded discussions.

**Grade Level: 11-12**

**Prerequisite: Physical Science**

**1 credit**

## **422010 Physics**

### **SCI403A/B Summit Physics**

This course provides a comprehensive survey of all key areas: physical systems, measurement, kinematics, dynamics, momentum, energy, thermodynamics, waves, electricity, and magnetism, and introduces students to modern physics topics such as quantum theory and the atomic nucleus. The course gives students a solid basis to move on to more advanced courses later in their academic careers. The program consists of online instruction, laboratories, and related assessments, plus an associated problem-solving book.

**Grade Level: 11-12**

**Prerequisite: Algebra II**

**1 credit**



## SOCIAL STUDIES

### **472000 Civics (.5)**

#### **HST040DE3-AVT Summit Civics**

Civics is the study of citizenship and government. This one-semester course provides students with a basic understanding of civic life, politics, and government, and a short history of government's foundation and development in this country. Students learn how power and responsibility are shared and limited by government, the impact American politics has on world affairs, the place of law in the American constitutional system, and which rights the American government guarantees its citizens. Students also examine how the world is organized politically and how civic participation in the American political system compares to that in other societies around the world today.

**Grade Level: 9-12**

**Prerequisite: None**

**½ credit**

### **471000 World History Since 1450**

#### **HST103A/B Summit World History**

In this comprehensive survey of world history from prehistoric to modern times, students focus in-depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts and skills within the context of the historical narrative. Online lessons and assessments complement *World History: Our Human Story*, a textbook written and published by K12. Students are challenged to consider topics in-depth as they analyze primary sources and maps, create timelines, and complete other projects— practicing historical thinking and writing skills as they explore the broad themes and big ideas of human history.

**Grade Level: 9-12**

**Prerequisite: None**

**1 credit**

### **47100H Honors World History**

#### **HST104A/B Summit Honors World History**

This course includes all the topics in HST103 as well as several extension activities. Each semester also includes an independent honors project.

**Grade Level: 9-12**

**Prerequisite: None**

**1 credit**

## **470000 United States History Since 1890**

### **HST313A/B Summit Modern US History**

This course is a full-year survey that provides students with a comprehensive view of American history from the industrial revolution of the late nineteenth century to recent events. Readings are drawn from K12's *The American Odyssey: A History of the United States*. Online lessons help students organize study, explore topics in-depth, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

**Grade Level: 9-12**

**Prerequisite: None**

**1 credit**

## **570020 AP United States History**

### **HST500A/B AP US History**

Students explore and analyze the economic, political, and social transformation of the United States since the time of the first European encounters. Students are asked to master not only the wide array of factual information necessary to do well on the AP® exam, but also to practice skills of critical analysis of historical information and documents. Students read primary and secondary source materials and analyze problems presented by historians to gain insight into challenges of interpretation and the ways in which historical events have shaped American society and culture.

**Grade Level: 11**

**Prerequisite: World History**

**1 credit**

## **474400 Psychology (.5)**

### **HST020DE3-AVT Summit Psychology**

In this one-semester course, students investigate why human beings think and act the way they do. This is an introductory course that broadly covers several areas of psychology. Instructional material presents theories and current research for students to critically evaluate and understand. Each unit introduces terminology, theories, and research that are critical to the understanding of psychology and includes tutorials and interactive exercises. Students learn how to define and use key psychology terms and how to apply psychological principles to their own lives. Unit topics include: Methods of Study, Biological Basis for Behavior, Learning and Memory, Development and Individual Differences, and Psychological Disorders.

**Grade Level: 11-12**

**Prerequisite: None**

**½ credit**

## **474500 Sociology (.5)**

### **HST060A-AVT Sociology**

The world is becoming more complex. How do your beliefs, values, and behavior affect the people around you and the world in which you live? Students examine social problems in the increasingly connected world and learn how human relationships can strongly influence and impact their lives. Exciting online video journeys to an array of areas in the sociological world are an important component of this relevant and engaging course.

**Grade Level: 11-12**

**Prerequisite: None**

**½ credit**

## **474600 World Geography**

### **HST213ADE3N Summit Geography**

This course explores world geography on a region-by-region basis and covers a broad range of geographical perspectives. Each unit covers one continent or other major geographical region of the world. Units include North America, Central America, South America, Western Europe, Eastern Europe and Russia, East Asia, Southeast Asia and the Pacific Cultures, Africa, India, and the Middle East. Students first learn about each region's landforms, climate, and population. They then examine that region's cultural, economic, and political institutions. Each unit is presented in a parallel format to facilitate interregional comparisons and allow students to see the similarities and differences between the regions more clearly.

**Grade Level: 9-12**

**Prerequisite: None**

**½ credit**

## **492290 Financial Planning and Wealth Management**

### **BUS220A/B Financial Planning and Wealth Management FPWM AR**

This course will introduce students to the basic concepts of economics and financial literacy then build on those topics to provide a more in-depth study of wealth management and personal financial planning. Components of financial planning and strategies used in the accumulation and conservation of wealth will be the focus. Strategies for investing, tax, insurance, and retirement planning, as well as estate planning will be studied. In addition, basics of business financial planning will also be discussed, including the purpose and use of financial statements in making business decisions.

**\*According to the Commissioner's Memo Number LS-18-049 dated 12/15/2017, this course will meet Act 480 requirements, will embed the Economics standards, and will also count as a CTE elective for Business and Marketing programs of study. Students completing this course will receive 1.5 credits (1 career focus and .5 economics).**

**Grade Levels: 10-12**

**Pre-Requisite: None**

**Required by State of Arkansas for graduation If you have not taken economics & personal finance at a previous school.**

**Course Length: 1.5 Credit-Year (includes Economic credit)**

# Arkansas Virtual Academy

## Career and Technology Education

*Beginning School Year 24-25*

### K12 Career and College Prep

Are you a 6th–12th grader looking to get a jump-start on your future? With K12 Career and College Prep, you can use your high school years to figure out where you want to go and how to get there. In addition to core courses, you'll take career-focused electives to explore your options and find your passion—all while earning your high school diploma. Discovering what you want to do now can prepare you to dive into a career right out of high school or help you make the right decision about your college major.

## Success Ready Pathway Guide

*Every Arkansas student deserves the opportunity to graduate on a path toward prosperity.*

Every student in Arkansas should graduate from high school “success ready” with the knowledge, skills, abilities, and habits to succeed on their chosen path, with options including **enrollment** in a postsecondary training or degree program, **enlistment** in military service, and **employment** in a career that provides a family-sustaining wage. Beginning with the entering ninth-grade class of 2024-25, all students will have the benefit of flexible college and career readiness pathways to guide high school course selection and progress toward high school graduation. The success-ready pathways in this document are encouraged to be used to guide the purposeful selection of courses toward a student’s postsecondary aspirations and career goals - as part of their career-focused electives and student success planning. Completion of a success-ready pathway leads to eligibility to earn State Distinction, by demonstrating readiness at the culmination of that pathway. Schools will have an opportunity to earn points in accountability for students graduating with distinction.

## Primary Pathways H2—

*(meets requirements for Merit or Distinction)*

- Accounting
- Business Finance
- Banking
- Management
- Retail Management
- Criminal Justice
- Animal Science
- Plant Science
- Pre-Educator
- Computer Science- Programming
- Computer Science- Networking

## Secondary Pathways

- Business Medical Office
- Hospitality and Tourism
- Agribusiness
- Natural Resources/Environmental Service Systems
- Pharmacy Technician
- Clothing and Housing Design
- Human and Social- Child Development
- Nutrition Sciences
- Advertising and Graphic Design
- Sports Medicine

## Completer

### **Who is a CTE Completer?**

A CTE Completer is a secondary student who completed courses as required in Level 1, Level 2, and Level 3 within the same approved CTE program of study.

**\*\*ARVA awards cords at graduation for students who are completers.**

## Certifications

Each pathway leads to Industry Recognized Credentials. Certifications will be required for students completing Primary H2 pathway. These are certifications that students may take to make them more employable and job ready. Teachers will discuss what certifications are available per course

# ARVA CTSO- Career Technical Student Organizations

## **ARVA FBLA** <https://www.fbla-pbl.org/>

FBLA inspires and prepares students to become community-minded business leaders in a global society through relevant career preparation and leadership experiences.

Sponsor: Emily Wuichet [ewuichet@arva.org](mailto:ewuichet@arva.org)

## **ARVA FFA** [www.ffa.org](http://www.ffa.org)

Arkansas FFA is dedicated to making a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education. Sponsor: Kelby Biswell

[kbiswell@arva.org](mailto:kbiswell@arva.org)

## **ARVA SkillsUSA** [www.skillsusa.org](http://www.skillsusa.org)

SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. SkillsUSA helps each student excel. We provide educational programs, events and competitions that support career and technical education (CTE) in the nation's classrooms.

Sponsor: Elesha Davis [edavis@arva.org](mailto:edavis@arva.org)

## **ARVA Family, Career and Community Leaders of America**

### **(FCCLA)** <https://fcclainc.org/>

Family, Career and Community Leaders of America (FCCLA) is a Career and Technical Student Organization that functions as an integral part of the Family and Consumer Sciences education curriculum and operates within the school system. Since 1945, FCCLA members have been making a difference in families, careers, and communities by addressing important personal, work, and societal issues. Through participation in Competitive Events, becoming involved in community service opportunities, student leadership, and attending leadership conferences, members develop real world skills, explore Career Pathways, and become college- and career-ready. Sponsor: Brianna

Wiggins [bwiggins@arva.org](mailto:bwiggins@arva.org)

## **ARVA TSA Technology Student Association** <https://tsaweb.org/>

The Technology Student Association (TSA) is a national organization devoted exclusively to the needs of students interested in science, technology, engineering, and mathematics (STEM). Open to young people enrolled in—or who have completed—technology education courses, TSA's membership includes more than 250,000 middle and high school student members in over 2,000 schools spanning 49 states. TSA partners with universities and other organizations to promote a variety of STEM competitions and opportunities for students and teachers. TSA is supported by educators, parents, and business leaders who believe in the need for a technologically literate society. Members learn through exciting competitive events, leadership opportunities, and much more. The diversity of activities makes TSA a positive experience for every student. From engineers to business managers, our alumni credit TSA with a positive influence on their lives. Sponsor: Tara Smith [tsmith@arva.org](mailto:tsmith@arva.org)

# ARVA Pathways –Courses by Level

*Courses need to be taken in the correct sequence*

## Primary Pathways

Program of Study	Level One	Level Two	Level Three
<b>Accounting</b>	<b>Survey of Business BUS026AE2/BE2</b> <i>(Survey of Business)</i> (492120)	<b>Accounting 1 AR BUS215 A/B</b> <b>Accounting 1A with Quickbooks</b> <i>(Accounting 1)</i> (492100)	<b>Accounting 2 AR BUS114ADE2/BDE2</b> <i>(492110)</i> -OR- Dual Credit Principles of Accounting
<b>Business Finance</b>	<b>Survey of Business BUS026AE2/BE2</b> <i>(Survey of Business)</i> (492120)	<b>Financial Planning &amp; Wealth Management BUS220 A/B</b> <i>(Financial Planning)</i> (492290)	<b>Accounting 1 AR BUS215 A/B Accounting 1A with Quickbooks</b> <i>(Accounting 1)</i> (492100)
<b>Retail Management</b>	<b>Survey of Business BUS026AE2/BE2</b> <i>(Survey of Business)</i> (492120)	<b>Retail Business CS Retail Business/CS Customer Service</b> (490820)	<b>Accounting 1 AR BUS215 A/B</b> <b>Accounting 1A with Quickbooks</b> <i>(Accounting 1)</i> (492100) OR <b>Entrepreneurship I AR BUS045AE3/BE3</b> (Digital Marketing) (492760)
<b>Management</b>	<b>Survey of Business BUS026AE2/BE2</b> <i>(Survey of Business)</i> (492120)	<b>Management CS Business Management/HS Success</b> (492320)	<b>Accounting 1 AR BUS215 A/B</b> <b>Accounting 1A with Quickbooks</b> <i>(Accounting 1)</i> (492100)

<b>Banking</b>	<b>Survey of Business BUS026AE2/BE2</b> <i>(Survey of Business)</i> (492120)	<b>CS Principles of Banking/Personal Finance</b> <i>(Principles of Banking)</i> (492090)	<b>Accounting 1 AR BUS215 A/B</b> <b>Accounting 1A with Quickbooks</b> <i>(Accounting 1)</i> (492100)
<b>Criminal Justice</b>	<b>Principles of Law, Safety &amp; Security TX LAW105 A/B</b> <i>(Foundations of Law Enforcement)</i> (494630)	<b>Criminal Justice LAW110/111</b> <i>(Intro to Criminal Justice)</i> (494620)	<b>Crime Scene Investigation CS Data Science A/B</b> <i>(Crime Scene Investigation)</i> (494600)
<b>Animal Science</b>	<b>Intro to Ag Science AGR105</b> <i>(Survey of Ag Systems)</i> (491150)	<b>Livestock &amp; Poultry Prod 1 &amp; 2 AGR211AE4/BE4</b> <i>(Adv Livestock &amp; Poultry Prod 1&amp;2)</i> (491180)	<b>Vet Science OTH033 A/B</b> (491460)
<b>Plant Systems</b>	<b>Intro to Ag Science AGR105</b> <i>(Survey of Ag Systems)</i> (491150)	<b>Principles of Plant Science AGR230A/B</b> <i>Plant Science</i> (491340)	<b>Agriculture Biology AGR233</b> <i>(Adv Plant Science)</i> (490800)
<b>Pre-Educator Non-CTA track</b>	<b>Educational Practices 1/2 OTH123D/OTH124D</b> <i>(Introduction to Education)</i> (493240) <b>OR</b> Concurrent Credit Intro to Education (590230)	<b>Principles of Education &amp; Training OTH121A/B</b> <i>(Education Technology)</i> (493290)	<b>Child Development OTH132</b> <i>(Child Growth and Development)</i> (493020)



<b>Networking</b>	<b>Introduction Computer Science</b> <b>TCH100ADE3/BDE3-PBL</b> <i>(Programming)</i> <i>(465070)</i>	<b>Networking II</b> <b>TCH561/562</b> <i>(465180)</i>	<b>Networking III</b> <b>TCH541 A/B</b> <i>(465190)</i>
<b>Programming</b>	<b>Introduction Computer Science</b> <b>TCH100ADE3/BDE3-PBL</b> <i>(Programming)</i> <i>(465070)</i>	<b>Programming II</b> <b>TCH342ADE3/BDE3</b> <i>(465080)</i>	<b>Programming III</b> <b>TCH530 A/B</b> <i>(465090)</i>

## Secondary Pathways

<b>Agribusiness Systems</b>	<b>Intro to Ag Science</b> <b>AGR105</b> <i>(Survey of Ag Systems)</i> <i>(491150)</i>	<b>Agribusiness Management</b> <b>AGR110AE2/BE2 PBL</b> <i>(491030)</i>	<b>Intro to Forestry/Natural Resources</b> <b>AGR020A/B</b> <i>(Natural Resources Management)</i> <i>(491310)</i> <b>-OR-</b> <b>Principles of Plant Science</b> <b>AGR230A/B</b> <i>(Plant Science)</i> <i>(491340)</i> <b>-OR-</b> <b>Student Leadership</b> <b>CS Student Leadership</b> <i>(Advanced Ag Leadership &amp; Communications)</i> <b>(Counts as Oral Communications credit)</b> <i>(491300)</i>
<b>Natural Resources/ Environmental Service Systems</b>	<b>Intro to Ag Science</b> <b>AGR105</b> <i>(Survey of Ag Systems)</i> <i>(491150)</i>	<b>Intro Forestry/Natural Resources</b> <b>AGR020A/B</b> <i>(Natural Resources Management)</i> <i>(491310)</i>	<b>Wildlife &amp; Natural Resource Mgmt</b> <b>AGR240/241</b> <i>(Forestry &amp; Wildlife Ecosystem)</i> <i>(491260)</i>

<b>Medical Office Administration</b>	<b>Survey of Business BUS026AE2/BE2</b> <i>(Survey of Business)</i> (492120)	<b>Medical Office HLT330A/B</b> <i>(Medical Office Administration)</i> (492690)	<b>Accounting 1 AR BUS215 A/B</b> <b>Accounting 1A with Quickbooks</b> <i>(Accounting 1)</i> (492100)
<b>Hospitality and Tourism</b>	<b>Survey of Business BUS026AE2/BE2</b> <i>(Survey of Business)</i> (492120)	<b>Office Management 1 AR BUS330 A/B</b> <i>(Tourism Industry Management)</i> (492260)	<b>Office Management BUS020A</b> <i>Hospitality Administration</i> (492250) + <b>Hospitality &amp; Tourism BUS120</b> <i>(Arkansas Tourism Industry)</i> (492230) <b>*Take both for completer</b>
<b>Clothing and Housing Design</b>	<b>Summit Life Skills/Family and Consumer Sciences OTH090/OTH060E2</b> <i>(Family and Consumer Science)</i> (493080)	<b>Fashion and Interior Design OTH182A/OTH181A</b> <i>(490890)</i> <b>Counts as fine arts credit</b>	<b>Advanced Fashion and Interior Design OTH182B/OTH181B</b> <i>(490900)</i> <b>Counts as fine arts credit</b>
<b>Human &amp; Social Services</b>	<b>Summit Life Skills/Family and Consumer Sciences OTH090/OTH060E2</b> <i>(Family and Consumer Science)</i> (493080)	<b>Child Development OTH132</b> <i>(Child Growth and Development)</i> (493020)	<b>OTH122AE2/BE2</b> <i>(Child Care Guidance, Management, and Services)</i> (493010)
<b>Nutrition Science and Dietetics</b>	<b>Summit Life Skills/Family and Consumer Sciences OTH090/OTH060E2</b> <i>(Family and Consumer Science)</i> (493080)	<b>Culinary Art 1&amp;2 OTH171/172</b> <i>(Food Safety &amp; Nutrition)</i> (493110)	<b>Summit Nutrition &amp; Wellness OTH080A/B</b> <i>(Life and Fitness Nutrition)</i> (493200)

<b>Pharmacy Tech</b>	<b>Public Health/Intro to Human &amp; Social Services</b> <b>HLT220/230</b> <i>(Foundations of Health Care)</i> <i>(495350)</i>	<b>Medical Terminology 1 &amp; 2</b> <b>HLT213DE2/214DE2</b> <i>(Medical Terminology)</i> <i>(495360)</i>	<b>Pharmacy Tech</b> <b>HLT431 A/B</b> <i>(Pharmacological Science)</i> <i>(495280)</i> <b>12th Grade or Early Grad only</b>
<b>Sports Medicine</b>	<b>Public Health/Intro to Human &amp; Social Services</b> <b>HLT220/230</b> <i>(Foundations of Health Care)</i> <i>(495350)</i>	<b>Principles of Sports Medicine</b> <b>HLT460 A/B Sports Medicine 1</b> <i>(494050)</i>	<b>Sports Medicine Injury Assessment</b> <b>HLT461 A/B Sports Medicine: Preventing Injury</b> <i>(494070)</i>
<b>Advertising &amp; Graphic Design</b>	<b>Media Communications</b> <b>COM210/220</b> <i>(493680)</i>	<b>Advertising Graphic Design I</b> <b>TCH179 InDesign/ TCH175 Photoshop</b> <i>(494150)</i>	<b>Advertising Graphic Design II</b> <b>TCH174 Illustrator/TCH173 After Effects</b> <i>(494170)</i>

### ***Courses offered not in a pathway***

<b>EAST I</b> <b>CS EAST I A/B</b> <i>(560010)</i>	<b>EAST II</b> <b>CS EAST II A/B</b> <i>(560020)</i>	<b>EAST III</b> <b>CS EAST III A/B</b> <i>(560030)</i>	<b>EAST IV</b> <b>CS EAST IV A/B</b> <i>(560040)</i>
<b>Organizational Leadership I/II</b> <b>CS Professional Learning</b> <i>(492780) (492790)</i>	<b>Finding Your Path 2</b> <b>ORN200E2</b> <i>Career Readiness</i> <i>(493900)</i>	<b>Finding Your Path 3</b> <b>ORN300E2</b> <i>College and Career Readiness</i> <i>(493880)</i>	

## Course Descriptions 2024-2025

### **INCLUDED GRADE LEVELS AND ANY PRE-REQUIREMENTS**

#### **FACS**

##### **493110 Food Safety and Nutrition OTH171/172 1 credit**

**Prerequisite REQUIREMENT – Family and Consumer Science.**

This course focuses on the development of essential food safety practices needed to select, receive, store, prepare, and serve food, as well as the skills needed to select food that meets nutritional needs of individuals and families. Students will learn to create and implement an environment of food safety procedures based on the latest FDA Food Code and local regulations. This course gives emphasis to the development of competencies related to nutrition, weight control, the food consumer, the effect of technology on food and nutrition, and food preparation skills. With completion of this course, students should be able to apply sound sanitation practices, to apply sound nutritional practices for positive effect on their health, and food preparation skills necessary in various aspects of the food industry.

##### **493200 Life and Fitness Nutrition OTH080A/B 1 credit**

**Prerequisite REQUIREMENTS: Family and Consumer Science and Food Safety and Nutrition**

Life Fitness Nutrition is a Level 3 course in the Nutrition Science and Dietetics program of study. It enables students to analyze the interaction of nutrition, foods, and fitness for overall wellness. In this course, students will develop nutrition and fitness habits to make wise decisions regarding healthy living. Students will develop higher order thinking skills and academic skills in the areas of math, science, language arts, and social studies through the evaluation of relevant nutrition and wellness information. The course is for students with interests in health and wellness, fitness, and foods and nutrition related career pathways.

##### **493020 Child Growth and Development OTH132 1 credit**

**Prerequisites: Family and Consumer Science for Human Services/Child Care pathway.**

**None for Educator pathway**

Child Growth and Development explores human growth and development starting from the prenatal stages and going through adolescent maturation. The course content deals with in-depth theories, practices, trends, and environmental factors that influence the development of children and adolescents, including family dynamics and the role of a child educator. Students are expected to complete field work and observations with a licensed Arkansas teacher in order to observe and record the learning behaviors and dynamics of children in a classroom.

##### **493010 Child Care Guidance, Management, & Services OTH122AE2/BE2 Grades 11-12 1 credit**

**Prerequisites: Family and Consumer Science and Child Growth and Development**

This course provides students with information and experiences in the occupational field of childcare guidance, management and services. Employment opportunities include childcare and guidance, early childhood education, foster care, family day care, and teacher assistants. Emphasis in this course is given to development of competencies related to FCCLA, employability, understanding the childcare profession, child development, health and safety of children, guiding children's behavior, guiding special needs children, planning and management of a childcare program and facility, and the effect of technology in childcare and guidance management and services. Upon successful completion of this course, students may apply for state certification as childcare teacher, childcare assistant, or childcare aide. The level of certification depends on the number of FACS courses taken in the childcare program of study.

#### **493080 Family and Consumer Science: OTH090/060E2**

Family and Consumer Science provides students with the basic information and skills needed to function effectively in the family and the workforce, within a complex and changing society. Emphasis is on the development of competencies related to Family, Career, and Community Leaders of America, individual and family relationships, healthy lifestyle choices; housing and interior design; garment care, selection and construction; the physical, emotional, social and intellectual development of children; nutrition, meal planning, food preparation and foodservice; home management, money management.

Upon completion of this course, the student should have developed skills that promote a positive influence on the quality of life.

#### **490890 Fashion and Interior Design OTH182A/OTH181A**

##### **Prerequisite: Family and Consumer Science**

Course Description: The Fashion and Interior Design course will assist students in developing skills necessary for personal fashion and residential interior design. The student will gain knowledge and industry necessary skills needed in the fashion and interior design career fields. The skills introduced and taught are clothing care and selection, characteristics of natural and synthetic fibers, types of fabric and fabric finishes, laws and regulations related to the clothing and textile industry, use and care of basic sewing supplies and equipment, fabric selection for clothing and housing materials, clothing construction techniques, and careers related to the fashion and textile industry. Students will also gain knowledge related to the basics of home design, materials used in home design and construction, home maintenance and safety, and careers in housing and interior design. Upon completion of this course, the student should acquire textile construction skills and design skills enabling them to advance to the next level in the fashion and interior design field.

#### **490900 Advanced Fashion and Interior Design OTH182B/OTH181B**

##### **Prerequisite: Family and Consumer Science, Fashion and Interior Design**

Course Description: Students in Advanced Fashion and Interior Design will develop necessary skills for the management and construction of commercial building, industrial garment construction and related projects. Basic construction techniques are integrated throughout the course in various projects. One or more advanced level projects will create projects using correct construction techniques and commercial interior design skills. Students will have in-depth experiences using advanced sewing techniques, such as pattern alterations exploring seams and constructions, use of facing and advanced hand stitching techniques and the use of advanced technology. The student will also develop skills for understanding commercial regulations pertaining to interior design. Upon completion of this course, students should master knowledge and skills needed for designing and constructing projects in both the fashion and interior design industry as well as develop a professional portfolio.

#### **493240 Intro to Education OTH123D/OTH124D**

Introduction to Education is **project-based course** designed with the intent to prepare high school students to become prospective Arkansas teachers. Students in this course will study the foundations of American education including important

historical moments and Acts, professional behavior, student needs and diversity, instructional methods, communication strategies for all stakeholders, and reflective practices to support learning. Students will collaborate with an

Arkansas teacher to actively participate in classroom observations and field experience opportunities.

##### **Special Notes**

***This course requires 30 hrs of field experience; partnering universities and local schools may have additional requirements***

### **493290 Education Technology OTH121A/B**

#### **Prerequisite: Intro to Education**

Education Technology is a **project-based course** that introduces students to the role of technology in the classroom. Students will explore various technologies being used as digital learning tools in multiple modes of learning including online, face-to-face, and hybrid classroom environments.

This course will expose students to the skills and strategies needed to integrate technology into the classroom, develop methods of digital communication and collaboration, support practices for digital citizenship, and reflect on their own performance in a digital environment. Students are expected to gain field experience by completing classroom observations, both online and face-to-face, with a licensed Arkansas teacher and to complete an initial Google certification to become a Google certified Educator.

*This course requires 30 hrs of field experience; partnering universities and local schools may have additional requirements*

## **AGRICULTURE**

### **491150 Survey of Agriculture Systems AGR105 1 Credit**

Students completing this course of study will be introduced to the Agriculture, Food & Natural Resource career pathway. A foundation course for all agricultural programs of study. Topics covered include general agriculture, FFA, leadership, supervised agricultural experiences, animal systems, plant systems, agribusiness systems, food products and processing systems, biotechnology, natural resources systems, environmental service systems and power, structural and technical systems.

### **4913000 Advanced Ag Leadership and Communications CS Student Leadership A/B/ 1 Credit**

Students completing this course of study will demonstrate competence in the application of principles and techniques for the planning, development, application and management of leadership and communications systems in Agriculture, Food & Natural Resource settings. This course will provide the student with a sound understanding of public speaking, parliamentary procedure, organization, delegation, oral communication, conflict resolution, business etiquette and community service are major topics to assist students in development of their leadership skills for the future. Opportunities are provided for students to participate in FFA and supervised agricultural experience activities.

### **491030 Agribusiness Management AGR110 A/B 1 Credit**

Students completing this course of study will demonstrate competence in the application of principles and techniques for the planning, development, application and management of agribusiness systems in Agriculture, Food & Natural Resource settings. The AgriBusiness Management course encompasses the study of agribusinesses and their management including, but not limited to, record keeping, budget management (cash and credit), business planning, and sales and marketing. Students must complete Survey of Agriculture Business to enroll in this course.

**491310 Natural Resources Management AGR020A/B DYN Introduction to Forestry & Natural Resources****Pre-Req: Survey of Ag Systems; Agribusiness Management**

The Natural Resources Management course encompasses the study of the management, protection, enhancement and improvement of soil, water, wildlife, forests, and air as natural resources along with the study of systems, instruments and technology used to monitor and minimize the impact of human activity on environmental systems

**491260 Forestry & Wildlife Ecosystem AGR240/241 Wildlife, Fisheries, & Ecology Management 1 & 2, 1 credit****Pre-Req: Survey of Ag Systems; Natural Resources Management**

This course provides an overview of the forestry and wildlife industry and its importance to the economy of the nation. Tree and wildlife identification, management practices, harvesting and marketing processes, and business applications are major topics. GPS and GIS are included. This course provides an overview of the forest industry and wildlife ecosystems and their importance to the economy of the nation.

**491340 Plant Science (Level 2 or 3) AGR230 A/B Principles of Plant Science, 1 credit****Pre-Req: Survey of Ag Systems; Agribusiness Management**

The Plant Science course encompasses the study of plant life cycles, classifications, functions, structures, reproduction, media and nutrients, as well as growth and cultural practices through the study of crops, turf grass, trees, shrubs, and/or ornamental plants.

**490800 Advanced Plant Science AGR233, 1 credit****Pre-Req: Survey of Ag Systems; Plant Science**

This course allows for an in-depth look at the vegetable and fruit industry while providing hands on laboratories and opportunities which include managing our farm to school gardens, greenhouse labs, and maintaining the aquaponics system.

**491180 Animal Science AGR211AE4/BE4 Livestock & Poultry Production 1 & 2, 1 credit****Pre-Req: Survey of Ag Systems**

This course is structured to enable all students to have an overview of the Animal Science Industry. Topics covered include the Animal Industry, Animal Handling and Safety, Nutrition, Reproduction, Genetics, and Marketing. Opportunities are provided for students to participate in FFA and supervised experience activities. Hands-on activities include learning to create feed for animals, dairy labs and artificial insemination

**491460 Veterinary Science OTH033A/B DYN Veterinary Science AR, 1 credit****Pre-Req: Survey of Agricultural Systems and Animal Science**

This course will provide the student with a sound platform to master the knowledge and skills necessary to become a veterinary assistant. It will also prepare the student to pursue a rewarding career as part of the professional veterinarian team. It will also equip the next generation of veterinarians and veterinarian assistants with the new technological tools that reinforce our industry's expectations. Finally, it provides academic knowledge, higher order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills and occupational skills

### **Adver 493680 Media Communications COM210/220, 1 credit**

The purpose of this course is to assist students in making informed decisions regarding their future academic and occupational goals and to provide information regarding careers in the Arts, A/V Technology and Communication Career Cluster. The content includes, but is not limited to, technology literacy; understanding. The importance of Arts and A/V; understanding the role of science, math, reading, writing, history, and technology in Arts and A/V; and Digital Media. Reinforcement of academic skills occurs through classroom instruction and applied laboratory procedures. Instruction and learning activities are provided through theory and hands-on experiences with the equipment, materials and technology appropriate to the course content and in accordance with current practices.

### **494150 Advertising and Graphic Design I TCH179 InDesign/TCH175 Photoshop, 1 credit**

This course is designed to introduce students to the fundamental skills and knowledge needed to create graphic works using industry-standard hardware and software for a variety of purposes and outputs. Areas of study include the understanding of the industry history, terminology, color, design principles, typography and ethical and legal issues related to graphic designs. Emphasis is placed on layout design and the creation and manipulation of graphics and how they are applied in today's industry standards.

Students in this course will be using a variety of software applications in Adobe Suite. These applications can build upon each other to form a student's knowledge base of graphic design software. The applications can prepare students to take Graphic Design II and III, if they choose.

### **494170 Advertising and Graphic Design II TCH174 Illustrator/TCH173 After Effects, 1 credit**

This course is designed to build upon basic knowledge and skills learned in Advertising and Graphic Design Level 1. Students will be acquiring additional knowledge and skills needed to create graphic works using industry-standard hardware and software for a variety of purposes and outputs. Areas of study include the understanding of the industry history, terminology, color, design principles, typography, photography, web graphics, animation and ethical and legal issues related to graphic design. Emphasis is placed on layout design and the creation and manipulation of graphics and how they are applied in today's industry standards.

Students in this course will be using a variety of software applications in Adobe Suite. The applications will be different than those learned in Advertising & Graphic Design I. These applications can build upon each other to expand a student's knowledge base of graphic design software. The applications can prepare students to take Graphic Design III (LAB), if they choose.

## ***BUSINESS***

### **492290 Financial Planning BUS220, 1.5 Credit**

This course will introduce students to the basic concepts of economics and financial literacy then build on those topics to provide a more in-depth study of wealth management and personal financial planning. Components of financial planning and strategies used in the accumulation and conservation of wealth will be the focus. Strategies for investing, tax, insurance, and retirement planning, as well as estate planning will be studied. In addition, basics of business financial planning will also be discussed, including the purpose and use of financial statements in making business decisions.



**492120 Survey of Business BUS026AE2/BE2, 1 credit**

This course is designed to introduce students to business and marketing programs of study and related technology to help students succeed in business and marketing careers. Using industry-recognized software ( Microsoft Word, Excel, PowerPoint), students will focus on skills in word processing, spreadsheets, presentations, and as they relate to business and marketing careers. **Foundation course** for all defined pathways for Business Management and Administration; Finance; Hospitality & Tourism (Business); Marketing Sales & Services; Transportation, Distribution & Logistics (Business).

**492690 Medical Office Management HLT330 A/B, 1 credit**

**Pre-Req: Survey of Business (492120) or Technology Design and Applications (460100)**

This course is designed to teach students concepts and skills that will be applied in the management and administration of a medical office. The course will focus on careers in the medical office environment, office management skills, patient billing and collections, patient/client service skills, ethics, medical terminology, and health information management.

**492760 Digital Marketing BUS045AE3/BE3 PBL Entrepreneurship 1, 1 credit**

**Pre-Req: Survey of Business (492120) or Technology Design and Applications (460100)**

This is a two-semester project-based course that enhances technology skills, job search and employability skills along with communication skills. Students will create an online electronic career portfolio focused on an individual career path, create social media and viral marketing campaigns, participate in videoconferencing, cloud-based collaboration, and learn and practice other workplace related communication technologies and channels. Students will apply verbal and nonverbal communication skills related to both spoken and written communications; technology will be used to enhance these skills. Productivity programs and apps will be used to teach time management, organization and collaboration skills, cloud storage and computing. Students will also create career-related documents according to professional layout and design principles and will also learn the photo and video editing skills needed to create promotional and informational business communications and viral marketing campaigns.

**492100 Computerized Accounting I BUS215A/B, 1 credit**

**Pre-Req: Survey of Business (492120) or Technology Design and Applications (460100)**

Computerized Accounting I is a yearlong 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, spreadsheet software, and electronic calculators as the relationships and processes of manual computerized accounting are presented. Entry-level skills in the accounting occupations can be attained.

Students will be using QuickBooks software to learn real world relevant accounting skills. QuickBooks is a financial management and accounting software package developed by Intuit that helps businesses track and manage their finances. They will learn relevant concepts such as payroll, inventory, taxes, invoicing, expensing, and banking.

**492110 Computerized Accounting II BUS114ADE2/BDE2, 1 credit**

**Prerequisite: Computerized Accounting I**

Course Description:

Computerized Accounting II is designed to provide students with the knowledge, understanding, and skills necessary for college and career readiness. Departmental and corporate accounting systems are components of the course with emphasis given to computerized software and automated systems.

Students are required to take Accounting I before taking Accounting II because this is an advanced course.

**492320 Business Management CS Business Management/HS Success, 1 credit****Pre-Requisites: 492120—Survey of Business or 460100—Technology Design and Applications**

Management is designed to prepare students for managerial careers. Students will study the value of soft skills in the business environment. Other topics will include: the role of a manager in a business organization, government regulations, information and communication systems and the use of technology, business finance principles, product/service development, production, marketing, distribution, pricing, and human resources management.

**492090 Principles of Banking CS Principles of Banking/Personal Finance, 1 credit****Pre-Requisites: 492120—Survey of Business or 460100—Technology Design and Applications**

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

**490820 Retail Business CS Retail Business/Customer Service, 1 credit****Pre-Requisites: 492120—Survey of Business or 460100—Technology Design and Applications**

The Retail Business course will provide students an overview of the retailing industry from a regional, national, and global perspective. Students will increase awareness and knowledge of key elements within the retail industry including business operations, marketing, sales, supply, and production, merchandising, promotion, selling, analyzing and forecasting sales, operations, and inventory control. The course will also focus on fundamental retail processes and related careers that are essential to maintaining production, purchasing, inventory, and a sustainable supply chain to help ensure products are readily available for consumers. Students will also explore retail operations used within different types of retail companies, on-line and e-commerce businesses, and future trends within the retail industry.

**492260 Tourism Industry Management BUS330 A/B 1 credit****Pre-Requisites: 492120—Survey of Business or 460100—Technology Design and Applications**

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.

**492230 Arkansas Tourism Industry BUS120 .5 credit****Pre-Requisites: Survey of Business (492120) or Technology Design and Applications (460100)**

Arkansas Hospitality 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.

**492250 Hospitality Administration BUS020A .5 credit****Pre-Requisites: Survey of Business (492120) or Technology Design and Applications (460100)**

Hospitality Administration is a one-semester in depth study of the hospitality industry. Students will become familiar with careers in hospitality and the primary segments of the hospitality industry. The importance of personal presentation, communication skills, guest satisfaction, the ability to perform basic business math, along with basic marketing concepts will also be covered in this course.

## **CRIMINAL JUSTICE**

### **494620 Introduction to Criminal Justice LAW110/111, 1 credit**

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.

### **494630 Foundations of Law Enforcement LAW105 A/B, 1 credit**

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

### **494600 Crime Scene Investigation CS Data Science A/B, 1 credit**

*Note: It's a good idea for the student to take Criminal Justice 1 class before taking this class. This will help the student to understand what is going on in this class.*

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

## **MEDICAL**

### **495350 Foundations of Healthcare HLT220/230, 1 credit**

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 further education and training in health services. In this course, we explore a variety of areas in healthcare including insurance basics, roles of the healthcare team, professional communication, infection control and many more. The broad exploration of areas is designed to give students a basis of knowledge as they begin to explore other areas in the healthcare field.

### **495360 Medical Terminology HLT 213DE2/214DE2, 1 credit**

This course builds skills in pronouncing, spelling, and defining unfamiliar words encountered in verbal and written information used throughout the medical field. Students have the opportunity to acquire skills in interpreting medical records and medical notes. Emphasis is on forming a foundation for a medical vocabulary including meaning, spelling, and pronunciation. Medical abbreviations, signs, and symbols are also included. Medical Terminology prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, symbols, and Greek and Latin word part meanings taught within the context of body systems. Students are encouraged to associate the new words learned in this course with words already known in their vocabulary.

### **495280 Pharmacy Technician / Grades 12 and 11 if graduating early HTL431 A/B, 1 Credit**

#### **Pre-Req: Anatomy and Physiology**

This course focuses on broad, transferable skills used across all healthcare fields and stresses understanding and demonstration of the following elements of the health care industry; planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues and health, safety, and environmental issues. Content focuses on the roles and duties of the pharmacy technician as well as exploring drug categories and how they relate to the human body, prescription filling and processing, pharmacy stocking and much more. At the end of the course, each student who has completed all components of the course will have the opportunity to take a national certification through the National Healthcareer Association for Pharmacy Technician as well as become a licensed Pharmacy Technician with the state of Arkansas.

### **494050 Principles of Sports Medicine HLT 460A/B, 1 credit**

The Introduction to Sports Medicine Class is designed for students interested in fields such as athletic training, physical therapy, medicine, fitness, exercise physiology, kinesiology, nutrition, and other sports medicine related fields. This class includes both theory-based and practicum instruction that exposes students to various sports medicine careers. Through these connections students will understand the importance of medical terminology and how it relates to exercise, nutrition, treatment modalities, and preventative/rehabilitative care.

### **494070 Sports Medicine Injury Assessment HLT461 A/B, 1 credit**

This course provides students with a more specific look at sports medicine from the perspective of injury evaluation that includes advanced injury assessment, and understand of common injuries that affect the physically active population. Students will gain a more complete understanding injury evaluation and the role it plays in the career field of Sports Medicine. It is recommended that Human Anatomy and Physiology, Sports Medicine.

## ***STEM***

### **465070 Introduction to Computer Science TCH100ADE3/BDE3, 1 credit**

Introduction to Computer Science teaches the foundations of computer science and basic programming, with an emphasis on helping students develop logical thinking and problem-solving skills. This course is designed to provide understanding of concepts in computer science that are necessary for students to function in an ever-changing technological world. Through these standards, students will explore, apply, and move toward mastery in skills and concepts related to Computational Thinking and Problem Solving; Data, Information, and Security; Algorithms and Programs; Computers and Communications; and Professionalism and Impacts of Computing. Once students complete the course, they will have learned material equivalent to a semester college introductory course in Computer Science.

### **Programming II—TCH342ADE3/BDE3, 1 credit**

#### **Prerequisite – Introduction to Computer Science**

Year 2 Programming Computer Science Course: "Intermediate Computer Science" is designed to deepen students' understanding of computer science principles in alignment with Arkansas state standards. Building upon the foundations laid in Year 1, students advance their programming skills by exploring more complex algorithms and data structures. They tackle challenges in software development, learning to design and implement larger-scale projects using object-oriented programming paradigms. Topics such as databases, web development, and software engineering methodologies are introduced, preparing students for more specialized areas within the field such as Game Design or Mobile Applications. By the end of the year, participants will have honed their problem-solving abilities and be ready to tackle advanced coursework in computer science.

### **Programming III—TCH530 A/B, 1 credit**

**Prerequisite – Introduction to Computer Science**

**Prerequisite Suggested – Fundamentals of Cybersecurity (Cyber II)**

Year 3 Programming Computer Science Course: "Advanced Topics in Computer Science" provides an in-depth exploration of specialized areas of computing, meeting the rigorous standards set by Arkansas state requirements. Students delve into advanced algorithms, artificial intelligence, and machine learning, gaining hands-on experience through challenging projects. They explore topics such as big data analytics, cloud computing, and parallel processing, preparing them for the demands of modern computing environments. Additionally, students engage in collaborative research projects, exploring cutting-edge technologies and their ethical implications. By the end of the course, students will have developed expertise in emerging areas of computer science, ready to pursue higher education or careers in the field.

### **465180 Networking II—TCH561/562, 1 credit**

Year 2 Networking( A+ Cert) Course: "Intermediate Networking Technologies" is a comprehensive course designed to meet the Arkansas state standards for high school-level networking education. Building upon foundational networking concepts introduced in Year 1, students delve deeper into the intricacies of computer networks. They explore topics such as network topologies, protocols, and routing algorithms, gaining practical experience through hands-on lab exercises. Additionally, students learn about network security principles, including authentication methods, encryption techniques, and intrusion detection systems. By the end of the year, students will have a solid understanding of intermediate networking technologies, preparing them for further study or entry-level positions in the field.

This course builds on concepts from the previous course. The understanding of electronics, routers, switches, and servers will prepare students for future employment. Completion of this course will qualify as a Flex Credit (substitute for a student's 3rd science or 4th math credit)

### **465190 Networking III –TCH541 A/B, 1 credit**

Year 3 Networking(Net + Cert) Course: "Advanced Networking and Cybersecurity" offers an advanced exploration of networking concepts aligned with Arkansas state standards. Students dive into complex networking architectures, such as wide area networks (WANs), virtual private networks (VPNs), and cloud computing infrastructures. They explore advanced routing protocols, network optimization strategies, and quality of service (QoS) mechanisms. Furthermore, students focus on cybersecurity principles, including threat detection, incident response, and risk management frameworks. Through hands-on projects and simulation exercises, students develop practical skills in network design, implementation, and troubleshooting. By the end of the course, students will be equipped with the expertise needed to pursue advanced certifications or careers in networking and cybersecurity.

This course builds on concepts from the previous course. The understanding of electronics, routers, switches, and servers will prepare students for future employment. Completion of this course will qualify as a Flex Credit (substitute for a student's 3rd science or 4th math credit).

## ***Other Electives not on a Pathway***

### **560010 EAST I CS EAST I A/B, 1 credit**

EAST is education accelerated by service and technology. We inspire change. We transform schools and communities by empowering people with technology, by encouraging critical thinking and creative problem-solving, and by engaging them in positive, real-world experiences. We advocate lifelong learning and community service. Through EAST, participants become positive agents of change to improve the world around them. Level one will be virtual (no face-to face). The focus in level one will be on the software and technology that EAST offers. There will be opportunities for certifications.

### **560020, 560030, 560040 EAST II, III, IV, 1 credit each level**

#### **Prerequisite: EAST I**

EAST is education accelerated by service and technology. We inspire change. We transform schools and communities by empowering people with technology, by encouraging critical thinking and creative problem-solving, and by engaging them in positive, real-world experiences. We advocate lifelong learning and community service. Through EAST, participants become positive agents of change to improve the world around them. EAST II, III, IV will focus on using the skills covered in EAST I to foster teamwork and collaboration.

### **493900 Career Readiness ORN200E2 Finding Your Path II .5 credit**

Career Readiness is a one-semester .5 credit course. The major goal of Career Readiness is to engage students to develop characteristics and skills employers most desire. It is designed to provide the student with the necessary skills to evaluate who they are, what they need in a career, research college and career information, refine their choices through a decision-making process and master the essential/soft skills most needed by 21st Century employers.

### **493880 College and Career Readiness ORN300E2 Finding Your Path III .5 credit**

College and Career Readiness is a one semester course offered to students in grades 9-12. However, it is highly recommended for students in grades 11-12 due to the age requirement for the WorkKeys assessment. The course content shall reflect postsecondary education and training opportunities for success at the college level or employable level. It focuses on WorkKeys skills including Graphic Literacy, Applied Mathematics, and Workplace Documents. The online computer based KeyTrain curriculum is required to prepare students for the ACT WorkKeys assessments for the Arkansas Career Readiness Certificate. Students must be at least 16 years of age, successfully pass level four or higher in KeyTrain Career Ready 101 curriculum and have a Social Security number to take the ACT WorkKeys assessments. The curriculum, assessments, and Career Readiness Certificate (CRC) are provided free of charge to the school and to the student. WorkKeys assessment takers must also register online with the Arkansas Joblink system in the Department of Workforce Services.

### **493860 Internship WBL531, 1 credit**

The Internship course is a paid or unpaid experiential learning experience that integrates knowledge and theory learning in the classroom with practical application and skills development in a professional setting. Internships give students the opportunity to gain valuable applied experience and make connections in professional fields, and it gives employers the opportunity to guide and evaluate talent. Internship includes both classroom and worksite experience. The course will serve as an introductory work experience course for 10-12 grade students. This course is not eligible for completer status. Students must [apply](#) to be enrolled. The student and Work-Based Learning Coordinator must complete an Internship site agreement, which will include the training plan. The student, workplace supervisor, and Work-Based Learning Coordinator will develop the training plan portion of the site agreement. The Work-Based Learning Coordinator and the workplace supervisor will evaluate the student.

#### **ELIGIBILITY OF STUDENTS:**

The Internship course is designed to serve students grades 10-12. The Internship course includes both classroom and worksite instruction.

The student must:

- Be at least 16 years old **AND** in 10<sup>th</sup> grade.
- Be employed prior to enrolling in the class or at the end of the second week of school. Students that are not employed by the end of the second week must be withdrawn from the class.
- Receive guided classroom and worksite instruction that incorporates applied learning activities.
- Provide proof of work hours.

#### **COURSE CREDITS:**

This course requires that students work at least 60 hours per semester for .5 credit per semester or 120 hours a semester to receive 1 full credit per semester. Students can earn a maximum of 4 credits in a two-year period, at a rate of 1 credit per semester. 1 credit may be granted for an entire year for students that work 120 hours and are in class at least 36 hours. Hours of work experience should be on the job site working weekly to meet the above required hours.

#### **CLASSROOM AND WORKSITE EXPECTATIONS:**

1. Evaluate qualities of effective employees, model positive job performance.
2. Develop personal work ethics and soft skills needed in the workplace.
3. Identify behaviors essential to succeed in the workplace.
4. Demonstrate mastery of effective communication.
5. Identify characteristics of an effective team and leadership skills.