



2021 – 2022 Virtual Arkansas CTE Content + Teacher Course Catalog

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Symbol Key: NCAA Approved course



NOT NCAA Approved



Act 1280 approved



NOT Act 1280 Approved



Virtual Arkansas Certified



Quality Matters Certified



Cost per course reflects the cost per student, per .5 unit of credit. The cost per student, per .5 unit for Content Only courses is \$20.



AGRICULTURE, FOOD and NATURAL RESOURCES

PROGRAM OF STUDY: AGRIBUSINESS SYSTEMS

[49103V](#) AGRIBUSINESS MANAGEMENT (LEVEL 2)

\$60 (PER .5 UNIT)



TERM: YEAR

CREDIT: 1

GRADES: 10-12

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

ARTS, A/V, COMMUNICATION AND TECHNOLOGY

PROGRAM OF STUDY: COMMERCIAL PHOTOGRAPHY

[49435V](#) DIGITAL PHOTOGRAPHY I (LEVEL 1)

\$80 (PER .5 UNIT)



TERM: YEAR

CREDIT: 1

GRADES: 9-12

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

[49437V](#) DIGITAL PHOTOGRAPHY II (LEVEL 2)

\$60 (PER .5 UNIT)



TERM: YEAR

CREDIT: 1

GRADES: 10–12

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

Prerequisite: Digital Photography I

[49438V](#) DIGITAL PHOTOGRAPHY III (LEVEL 3)

\$60 (PER .5 UNIT)



TERM: YEAR

CREDIT: 1

GRADES: 11-12

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

Prerequisite: Digital Photography II

CAREER EXPLORATION AND PREPARATION

[49388V](#) COLLEGE AND CAREER READINESS (SUPPLEMENTAL) **\$80 (PER .5 UNIT)**



TERM: FALL

CREDIT: .5

GRADES: 9-12

Important Note: WorkKeys assessments covering Applied Math, Workplace Documents, and Graphic Literacy will be required tasks for students enrolled in this course. Successful completion of exams, and contingent on the score earned, will allow students the opportunity to earn a National Career Ready Certificate.

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



49390V CAREER READINESS (SUPPLEMENTAL)

\$80 (PER .5 UNIT)



TERM: SPRING CREDIT: .5 GRADES: 9-12

Career Readiness is a one-semester (.5 credit) course. It is designed to provide the student with the necessary skills to evaluate who they are, what they need in a career, research postsecondary options and career information. The major goal of Career Readiness is to engage students to develop characteristics and skills employers most desire. Students will evaluate personal traits for a better understanding of self in their pursuit of finding a meaningful, fulfilling and rewarding career then compare their traits to the characteristics employers expect for the purpose of identifying and developing the lacking skills. This course uses the Career Ready 101 curriculum to teach the 21st Century SCANS skills but does not include the WorkKeys skills from College and Career Readiness. This course supplements 493880.

49391V WORK READY (SUPPLEMENTAL)

\$80 (PER .5 UNIT)



TERM: FALL & SPRING CREDIT: .5 GRADES: 9-12

Important Note: WorkKeys assessments covering Applied Math, Workplace Documents, and Graphic Literacy will be required tasks for students enrolled in this course. Successful completion of exams, and contingent on the score earned, will allow students the opportunity to earn a National Career Ready Certificate.

The major goal of Work Ready is to engage students in digital learning to meet the requirements of ACT 1280 and to prepare for postsecondary education. This course contains the CR101 curriculum WorkKeys Skills--Applied Math, Workplace Documents, and Graphic Literacy found in the College and Career Readiness Course (493880) and key Career Skills found in the Career Readiness Course (493900). It is designed to provide students with the necessary skills to evaluate who they are, what they need in a career, and research postsecondary options and career information. This course is an alternative option for 493880 and 493900 and should not be taken in conjunction with either of the two since it is duplicative in the Career Preparation curriculum in many areas.

EDUCATION AND TRAINING

PROGRAM OF STUDY: PRE-EDUCATOR

49302V LIFE SPAN DEVELOPMENT (LEVEL 1)

\$100 (PER .5 UNIT)



TERM: YEAR CREDIT: 1 GRADES: 9-12

Important Note: Course will require that students earn practicum hours at the local district during the school year.

Lifespan Development focuses on skills needed to guide the physical, cognitive/intellectual, emotional, and social development of children. This course focuses on the development of career-ready skills related to pregnancy and prenatal development, types and stages of child growth and development, needs of children, factors influencing the behavior of children, children with special needs, coping with crises, the effects of technology on child development, and careers related to the area of child development. Students will also gain knowledge and skills of the parenting process and parenting skills, costs related to raising children, resources available to parents, and factors to consider when selecting childcare and education options. Lifespan Development will benefit anyone who lives with, associates with, or works with children in various career fields.

49324V ORIENTATION TO TEACHING I (LEVEL 2)

\$100 (PER .5 UNIT)



TERM: YEAR CREDIT: 1 GRADES: 10-12

Important Note: Course will require that students earn practicum hours at the local district during the school year.

Orientation to Teaching I is a one-year course designed to provide students with information and experiences in the field of education. Students will plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and experience other responsibilities of classroom teachers. Students are involved in observations, as well as direct student instruction, and placement rotations are utilized to allow students to have experiences in various education career roles, grade levels, subject areas, and ability groups. Upon completion of the course, students should have identified areas of special interest that may be pursued further, have a better understanding of the teaching profession, and have enhanced employability skills which will be of benefit regardless of the occupation



or career in which employed.

FINANCE

PROGRAM OF STUDY: ACCOUNTING

49212V SURVEY OF BUSINESS (LEVEL 1)

\$100 (PER .5 UNIT)



TERM: YEAR

CREDIT: 1

GRADES: 9-12

Important Note: TestOut will be included with the course.

Survey of Business is designed to introduce students to business and marketing programs of study and related technology to help students succeed in business and marketing careers. The clusters and related programs of study are: Business Management & Administration: Management, Medical Office Administration, and Office Administration; Finance: Accounting, Banking, and Securities, Investments, Risk and Insurance; Hospitality and Tourism: Hospitality and Tourism; Marketing: Marketing and Entrepreneurship; Information Technology: Web Technologies and Social Media and Communications; and Transportation, Distribution, and Logistics: Supply Chain and Logistics. Using industry recognized software, students will focus on skills in word processing, spreadsheets, database, presentations, and cloud computing as they relate to business and marketing careers. This course will focus on skills needed to obtain Microsoft Office Specialist (MOS) certifications.

49210V COMPUTERIZED ACCOUNTING I (LEVEL 2)

\$100 (PER .5 UNIT)



TERM: YEAR

CREDIT: 1

GRADES: 9-12

Important Note: MindTap will be included with the course.

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

49211V COMPUTERIZED ACCOUNTING II (LEVEL 3)

\$100 (PER .5 UNIT)



TERM: YEAR

CREDIT: 1

GRADES: 10-12

CAN FULFILL A CORE FOURTH MATHEMATICS REQUIREMENT, COUNTS AS A CAREER FOCUS CREDIT UNDER THE SMART CORE

Important Note: MindTap will be included with the course.

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

HEALTH SCIENCE

PROGRAM OF STUDY: MEDICAL PROFESSIONS OR SPORTS MEDICINE

49405V FOUNDATIONS OF SPORTS MEDICINE (LEVEL 1) **\$60 (PER .5 UNIT)**



TERM: YEAR

CREDIT: 1

GRADES: 9-12

This course will introduce students to the realities of the Sports Medicine field and educate them about the role an Athletic Trainer plays in the field. Students will learn a variety of concepts in healthcare from Sports Medicine's historical foundations to injury management and will be provided an opportunity for hands on learning.



49529V PATHOLOGY (LEVEL 3)

\$60 (PER .5 UNIT)



TERM: FALL & SPRING CREDIT: .5 GRADES: 9-12

This course is devoted to the exploration of human pathology. Pathology is the branch of medical science that studies the causes, nature, and effects of diseases. This course of study begins with an introduction to pathology terminology, predisposing factors of diseases, diagnosis, prognosis, and disease treatments. Following the introduction, the course proceeds into a study of the immune system, then goes into infectious diseases and their transmission. Other types of diseases, such as genetic disorders, cancer, and reproductive pathology are also studied.

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

Prerequisite: Students should have completed one semester of Biology.

42403V HUMAN ANATOMY AND PHYSIOLOGY (LEVEL 2)

\$100 (PER .5 UNIT)



TERM: YEAR CREDIT: 1 GRADES: 9-12

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

Prerequisite: Students should have credit for both semesters of Biology

49532V HUMAN BEHAVIOR AND DISORDERS (LEVEL 3) \$60 (PER .5 UNIT)



TERM: SPRING CREDIT: .5 GRADES: 9-12

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

49535V FOUNDATIONS OF HEALTH CARE (LEVEL 1) \$80 (PER .5 UNIT)



TERM: YEAR CREDIT: 1 GRADES: 9-12

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

49536V MEDICAL TERMINOLOGY (LEVEL 3)

\$60 (PER .5 UNIT)



TERM: YEAR CREDIT: 1 GRADES: 9-12

Medical Terminology is a year-long course designed to facilitate learning and comprehension of the basics of medical terminology in relation to each body system. This course allows students to achieve comprehension of anatomy and physiology, pathological conditions, diagnostic tests, procedures, and treatments for common medical disorders. In addition, students will review spelling, defining, and pronouncing medical terms. This course will be beneficial for anyone considering pursuing a career in healthcare.

Prerequisite: It is recommended that students have completed Biology

49537V ABNORMAL PSYCHOLOGY (LEVEL 3)

\$60 (PER .5 UNIT)



TERM: FALL CREDIT: .5 GRADES: 9-12

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



and social issues relating to the medical professional's role in treating psychological disorders are explored.

HOSPITALITY and TOURISM

PROGRAM OF STUDY: HOSPITALITY AND TOURISM

[49212V](#) SURVEY OF BUSINESS (LEVEL 1)

\$100 (PER .5 UNIT)



TERM: YEAR

CREDIT: 1

GRADES: 9-12

Survey of Business is designed to introduce students to business and marketing programs of study and related technology to help students succeed in business and marketing careers. The clusters and related programs of study are: Business Management & Administration: Management, Medical Office Administration, and Office Administration; Finance: Accounting, Banking, and Securities, Investments, Risk and Insurance; Hospitality and Tourism: Hospitality and Tourism; Marketing: Marketing and Entrepreneurship; Information Technology: Web Technologies and Social Media and Communications; and Transportation, Distribution, and Logistics: Supply Chain and Logistics. Using industry recognized software, students will focus on skills in word processing, spreadsheets, database, presentations, and cloud computing as they relate to business and marketing careers. This course will focus on skills needed to obtain Microsoft Office Specialist (MOS) certifications.

[49226V](#) TOURISM INDUSTRY MANAGEMENT (LEVEL 2) **\$60 (PER .5 UNIT)**



TERM: YEAR

CREDIT: 1

GRADES: 9-12

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

[49223V](#) ARKANSAS HOSPITALITY AND TOURISM (LEVEL 3)

\$60 (PER .5 UNIT)



TERM: SPRING CREDIT: .5

GRADES: 9-12

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

HUMAN SERVICES

PROGRAM OF STUDY: FAMILY CONSUMER SERVICES

[49219V](#) FASHION MERCHANDISING (SUPPLEMENTAL) **\$60 (PER .5 UNIT)**



TERM: SPRING CREDIT: .5

GRADES: 9-12

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

[49199V](#) PERSONAL FINANCE (SUPPLEMENTAL)

\$80 (PER .5 UNIT)



TERM: FALL & SPRING CREDIT: .5

GRADES: 10-12

This is a one-semester course designed to increase financial literacy and prepare students to successfully manage financial resources. This course also focuses on the individual's role and financial responsibilities as a student, citizen, consumer, and active participant in the business world. Emphasis is also placed also on activities and competitions within career technical student organizations (i.e., FBLA, FCCLA, and DECA)



INFORMATION TECHNOLOGY

PROGRAM OF STUDY: COMPUTER SCIENCE PROGRAMMING

46507V PROGRAMMING YEAR 1

TBD



TERM: YEAR CREDIT: 1

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

46508V PROGRAMMING YEAR 2

TBD



TERM: YEAR CREDIT: 1

This course expands upon the concepts covered in the Programming Year 1 course and places significant emphasis on developing proficiency in computer programming/coding. Students will learn to analyze problems and develop solutions to those problems in a collaborative learning environment. Multiple technologies will be engaged in order to equip students with fluencies that will enable them to adapt to the constantly-changing field of computer science. **Prerequisites:** It is strongly recommended that students complete the Programming Year 1 course.

46509V PROGRAMMING YEAR 3

TBD



TERM: YEAR CREDIT: 1

This course expands upon the concepts covered in the Programming Year 2 course and places significant emphasis on developing proficiency in computer programming/coding. Students will learn to analyze problems and develop solutions to those problems in a collaborative learning environment. Multiple technologies will be engaged in order to equip students with fluencies that will enable them to adapt to the constantly-changing field of computer science. **Prerequisites:** It is strongly recommended that students complete the Programming Year 2 course.

46527V CYBERSECURITY YEAR 1

TBD



TERM: YEAR CREDIT: 1

Important Note: All enrolled students must obtain a free student account at Trinket by visiting <https://trinket.io/signup>.

These beginner level computer science courses offer students the opportunity to explore three distinct areas in computer science: programming, networking, and cybersecurity. This course emphasizes the cybersecurity component in the context of the other two components. Students will develop knowledge and skills in computational thinking and problem solving; data and information; algorithms and programs; computers and communications; and community, global, and ethical impacts. Level I coursework focuses on introducing students to basic concepts and helping them make real-world connections between course topics and cybersecurity in the field of computer science. **Prerequisites:** None

46528V CYBERSECURITY YEAR 2

TBD



TERM: YEAR CREDIT: 1

Important Note: All enrolled students must obtain a free student account at Trinket by visiting <https://trinket.io/signup>.

The year 2 course focuses on guiding students to deeper comprehension of cybersecurity concepts and helping them make real-world connections between course topics and cybersecurity in the field of computer science. **Prerequisites:** It is strongly recommended that students complete the Cybersecurity Year 1 course.



46529V CYBERSECURITY YEAR 3

TBD



TERM: YEAR CREDIT: 1

Important Note: All enrolled students must obtain a free student account at Trinket by visiting <https://trinket.io/signup>.

The Year 3 course offers students the opportunity to explore three distinct areas in computer science: programming, networking, and cybersecurity. Students will develop knowledge and skills in computational thinking and problem solving; data and information; algorithms and programs; computers and communications; and community, global, and ethical impacts.

Year 3 coursework focuses on guiding students to application of cybersecurity concepts and helping them make real-world connections between course topics and cybersecurity in the field of computer science. **Prerequisites:** It is strongly recommended that students complete the Cybersecurity Year 1 course.

46571V DATA SCIENCE YEAR 1

TBD



TERM: YEAR CREDIT: 1

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

PROGRAM OF STUDY: CRIMINAL JUSTICE

49462V INTRODUCTION TO CRIMINAL JUSTICE (LEVEL 1)

\$80 (PER .5 UNIT)



TERM: YEAR CREDIT: 1 GRADES: 9-12

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

49461V CRIMINAL LAW (LEVEL 3)

\$60 (PER .5 UNIT)



TERM: YEAR CREDIT: 1 GRADES: 9-12

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

STEM

PROGRAM OF STUDY: PRE-ENGINEERING

493960 INNOVATIONS IN SCIENCE AND TECHNOLOGY I

\$100 (PER .5 UNIT)



TERM: YEAR CREDIT: 1 GRADE: 9-12

This is the pilot year for this course and enrollments may be limited. This is a contextual-based course that introduces students to the core fundamental concepts of science and technology through authentic projects. Through these projects, students will develop an understanding of the relationship between the physical, biological and social world. Students will gain an understanding of the differences between science and technology, and learn that technology is a process for applying science.

PROGRAM OF STUDY: UNMANNED AERIAL SYSTEMS

49016V UNMANNED AERIAL SYSTEMS I (UAS LEVEL 1) \$120 (PER .5 UNIT)



TERM: YEAR CREDIT: 1 GRADES 9-12

Important Note: The Gleim Remote Pilot FAA Knowledge Test Prep Online and Book are included in the course fee.



This course provides 9th-12th grade students the opportunity to acquire the knowledge and skills needed for jobs in the unmanned aerial systems industry. Students will learn about piloting remotely controlled aircraft, FAA regulations, and to apply the technical skills sought by employers in the workplace. The Part 107 Remote Pilot Knowledge Test will be offered at the conclusion of the course.

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS

PROGRAM OF STUDY: AVIATION FLIGHT

[49425V](#) FUNDAMENTALS OF FLIGHT (LEVEL 1)

\$60 (PER .5 UNIT)



TERM: YEAR

CREDIT: 1

GRADES: 10-12

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

[49426V](#) AIRPORTS, AIRSPACE, AND WEATHER (LEVEL 2)

\$60 (PER .5 UNIT)



TERM: YEAR

CREDIT: 1

GRADES: 10-12

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

Prerequisite: Fundamentals of Flight

[49002V](#) PRIVATE PILOT OPERATIONS (LEVEL 3)

\$60 (PER .5 UNIT)



TERM: YEAR

CREDIT: 1

GRADES: 10-12

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

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