

# UTVA

## 2020/21 COURSE CATALOG



# TABLE OF CONTENTS

Graduation Requirements.....	3
English .....	4
Math .....	6
Science .....	8
Social Studies .....	10
Fine Arts .....	13
CTE/Electives .....	15
PE/Health .....	21
CTE Pathways .....	22
Concurrent Enrollment .....	23

# GRADUATION REQUIREMENTS

Subjects	Requirements	Elective Classes (By Subject Area)
<b>Language Arts</b> 4 credits	1.0 English 9 1.0 English 10 1.0 English 11 1.0 English Elective	0.5 Basic Reading Skills 0.5 Basic Writing Skills 1.0 CE English 1010 1.0 CE English 2010 1.0 CE English 2200 1.0 CE COMM 2110
<b>Math</b> 3 credits	1.0 Secondary Math I 1.0 Secondary Math II 1.0 Math Elective	1.0 Practical Math 1.0 Secondary Math III 1.0 Computer Programming 1 1.0 CE Math 1030
<b>Science</b> 3 credits	2.0 <i>Foundation Courses:</i> <ul style="list-style-type: none"> <li>● 1.0 Earth Science</li> <li>● 1.0 Biology</li> <li>● 1.0 Biology-Agriculture Science</li> <li>● 1.0 Chemistry</li> <li>● 0.5 Computer Programming 2</li> </ul> 1.0 <i>Applied &amp; Advanced Science Courses or an additional Foundation Course</i>	<i>Applied &amp; Advanced Science Courses:</i> 1.0 Environmental Science 0.5 Forensic Science 1.0 Anatomy & Physiology 1.0 Agriculture Science 1.0 Animal Science 1.0 CE Geology 1300
<b>Social Studies</b> 3 credits	<ul style="list-style-type: none"> <li>● 0.5 Geography</li> <li>● 0.5 World History A/B</li> <li>● 1.0 U.S. History</li> <li>● 0.5 U.S. Government</li> <li>● 0.5 Social Studies Elective</li> </ul>	0.5 World History A/B 0.5 Sociology I 0.5 Sociology II 0.5 Psychology 0.5 Economics 1.0 CE POLS 1100
<b>PE/Health</b> 2 credits	<ul style="list-style-type: none"> <li>● 0.5 Health</li> <li>● 0.5 Participation Skills</li> <li>● 0.5 Fitness for Life</li> <li>● 0.5 Lifetime Activities</li> </ul>	
<b>Fine Arts</b> 1.5 credits	Any <i>THREE</i> of the following: <ul style="list-style-type: none"> <li>● 0.5 Fine Art A</li> <li>● 0.5 Fine Art B</li> <li>● 0.5 Music Appreciation</li> </ul> <ul style="list-style-type: none"> <li>● 0.5 Digital Photography</li> <li>● 0.5 Advanced Digital Photography</li> <li>● 0.5 Image Design</li> <li>● 0.5 Digital Arts 1</li> </ul>	
<b>Digital Studies</b> .5 credit	<ul style="list-style-type: none"> <li>● 0.5 Exploring Computer Science</li> </ul>	
<b>Financial Literacy</b> .5 credit	<ul style="list-style-type: none"> <li>● 0.5 Personal Finance</li> </ul>	1.0 CE FIN 1750
<b>Career Technology Education (CTE)</b> 1.0 credit	<p><i>Please choose one CTE Pathway below:</i></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p><b>Agricultural Production Systems</b></p> <ul style="list-style-type: none"> <li>● Agriculture Science</li> <li>● Biology-Agricultural Science</li> </ul> <p><b>Animal &amp; Veterinary Science</b></p> <ul style="list-style-type: none"> <li>● Agriculture Science</li> <li>● Animal Science A</li> <li>● Animal Science B</li> <li>● Biology-Agricultural Science</li> </ul> <p><b>Business Administration</b></p> <ul style="list-style-type: none"> <li>● Customer Service</li> <li>● Entrepreneurship</li> <li>● Business Management</li> </ul> </div> <div style="width: 30%;"> <p><b>Business Information Management</b></p> <ul style="list-style-type: none"> <li>● Customer Service</li> <li>● Entrepreneurship</li> <li>● Digital Business Applications</li> </ul> <p><b>Food Science, Dietetics &amp; Nutrition</b></p> <ul style="list-style-type: none"> <li>● Food &amp; Nutrition 1</li> <li>● Food &amp; Nutrition 2</li> </ul> <p><b>Hospitality &amp; Tourism</b></p> <ul style="list-style-type: none"> <li>● Marketing</li> <li>● Entrepreneurship</li> <li>● Hospitality &amp; Tourism</li> </ul> </div> <div style="width: 30%;"> <p><b>Marketing</b></p> <ul style="list-style-type: none"> <li>● Customer Service</li> <li>● Entrepreneurship</li> <li>● Marketing</li> <li>● Retailing</li> </ul> <p><b>Programming &amp; Software Development</b></p> <ul style="list-style-type: none"> <li>● Exploring Computer Science</li> <li>● Computer Science Principles</li> <li>● Computer Programming 1</li> <li>● Computer Programming 2</li> <li>● Game Design 1</li> <li>● Game Design 2</li> <li>● AP Computer Science</li> </ul> </div> </div>	
<b>Elective Credits</b> 5.5 credits	5.5 credits of any elective classes above and/or any of the following: <ul style="list-style-type: none"> <li>● 0.5 Work Place Skills</li> <li>● 0.5 Intro to Health Science</li> <li>● 0.5 Medical Terminology</li> <li>● 1.0 Spanish 1</li> <li>● 1.0 Spanish 2</li> </ul>	Any course above that exceeds subject area

# ENGLISH

## **9th Grade English**

*Grade: 9, 0.5 credit per semester, 1 credit per school year*

Freshman English is a comprehensive English course of literature, composition, and language, including listening and speaking. The study of literature includes reading and comprehending a wide variety of literary forms including short stories, nonfiction, poetry, and drama. The course offers supportive reading strategies for a variety of purposes. This course also focuses on the writing process through response to literature. The study of language targets usage, mechanics, and strategies for vocabulary development integrated into literature and composition components. In addition, students will have the opportunity to collaborate and exercise leadership skills while working as teams to complete coursework.

## **10th Grade English**

*Grade: 10, 0.5 credit per semester, 1 credit per school year*

Students in English 10 will comprehend literature with a purpose through the interpretation of symbols and imagery. Students will learn to appreciate the power of language by examining how important ideas are expressed and analyzing medium and message while strengthening writing skills.

## **11th Grade English - American Literature**

*Grade: 11, 0.5 credit per semester, 1 credit per school year*

In this genre-based course, students sharpen their reading comprehension skills and analyze important themes in classic and modern works of American literature, including short stories, poetry, drama, and novels. Students refine their skills of written expression by writing memoirs, persuasive essays, research essays, workplace documentation, and more. They develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests.

## **British and World Literature**

*Grade: 12, 0.5 credit per semester, 1 credit per school year*

The British and World Literature course will help students sharpen their reading comprehension skills and analyze important themes in classic and modern works of British and World Literature, including short stories, poetry, drama, and novels. Students will refine their skills by writing narratives, research, and more. They will develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics (K12.com).

## **Reading Strategies**

*Grade: 11-12, 0.5 credit per block*

The Reading Strategies course is designed to increase students' ability to interact with and comprehend various types of texts by teaching students to use strategies as they read. The strategies include pre- and post-reading strategies as well as strategies students can use while actively reading. Strategies include the following: activate prior knowledge, make predictions, visualize, take notes, and ask questions. Students will also learn to use the reading strategies to help them determine main idea and theme as well as find textual evidence to support their understanding of a text. Students will have opportunities to apply reading strategies with various types of texts: poetry, short story, and speeches.

## **Basic Writing**

*Grade: 11-12, 0.5 credit per block*

The Basic Writing course is designed to provide writing instruction and opportunities to write, both narratives and informational texts. The course focuses on the structure of an essay such as introduction, body paragraphs, and conclusions. Students will write a personal narrative, focusing on telling the story of a real-life experience. Students will also write an informative speech, focusing on a topic about which they know a good amount. Other writing opportunities may be included such as proper email etiquette and writing original poetry.

# MATH

## **Math 1**

*Grade: 9-12, 0.5 credit per semester, 1 credit per school year*

In this course we will simplify expressions, solve systems of linear equations, learn basic geometric terms and logic, reasoning, and proofs. We will learn about parallel and perpendicular lines and apply what we learn to triangles and quadrilaterals. We will explore exponents and square roots and further cement our graphing abilities by graphing both linear and exponential equations. This course is required for high school graduation.

## **Math 2**

*Grade: 10-12, 0.5 credit per semester, 1 credit per school year*

***Prerequisite: Integrated Math 1***

Integrated Mathematics II, a second-year high school math course, focuses on extending the number system to include irrational and complex numbers, as well as computation with quadratic polynomials. The course continues with quadratic expressions, equations, and functions, including making comparisons to their linear and exponential counterparts, covered in Math I. The course also introduces conditional probability as a way to make better decisions when given limited information. Geometry topics include similarity, right triangle trigonometry, and volume. Students use the tools of analytic geometry, synthesizing algebra and geometry concepts, to describe circles. 0.5 per semester, 1 per school year

## **Math 3**

*Grade: 11-12, 0.5 credit per semester, 1 credit per school year*

***Prerequisite: Integrated Math 2***

This course covers statistics, polynomials, rational functions, radical functions, exponentials, logarithms, trigonometry, and modeling.

## **Practical Math**

*Grade: 9-12, 0.5 credit per block, 1 total credit for Blocks 1 and 2*

This class looks at math in a practical way. All the math done in this course will help students in their everyday lives. Students will learn how to analyze and make sense of data and statistics, learn to use math to model and understand real-life situations, and learn to use math to manage your finances by creating budgets, saving, etc. This course is all about the math students need to know for their everyday lives.

# SCIENCE

## **Biology**

*Grade: 9-12, 0.5 credit per semester, 1 credit per school year*

In this course we will study biological concepts that relate to the study of living organisms. This course will introduce cell structures and physiology, inheritance, evolution, and classification.

Topics will include: the study of life, the chemical foundation of life, biological macromolecules, cell structure, structure and function of plasma membranes, metabolism, cellular respiration, photosynthesis, cell reproduction, meiosis and sexual reproduction, Mendel's experiments and heredity, DNA structure and function, genes and proteins, evolution and the origin of species, classification, ecology and the biosphere, and an overview of the human body systems.

## **Earth Science**

*Grade: 9-12, 0.5 credit per semester, 1 credit per school year*

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

## **Chemistry**

*Grade: 10-12, 0.5 credit per semester, 1 credit per school year*

In this course, students explore the fundamental principles of chemistry which characterize the properties of matter and how it reacts. Computer-based and traditional laboratory techniques are used to obtain, organize and analyze data. Conclusions are developed using both qualitative and quantitative procedures. Topics include, but are not limited to: measurement, atomic structure, electron configuration, the periodic table, bonding, properties of solids, liquids and gasses, solutions, stoichiometry, reactions, kinetics, equilibrium, acids and bases, and nuclear chemistry. The main goal of this course is to provide a solid foundation in the study of matter and its changes. Through many activities students will demonstrate how theory is applicable in laboratory situations. All students will develop good methods of problem solving and proper laboratory techniques.

## **Forensic Science**

*Grade: 11-12, 0.5 Credit per block*

This course is designed to introduce students to the basic concepts in Forensic Science, beginning with historical perspectives and covering the use of forensics to investigate and solve crimes. Units include history, crime scene evaluation, the crime lab, trace evidence, decomposition, blood and DNA. Topics covered can sometimes be intense.

### **Environmental Science**

*Grade: 9-12, 0.5 credit per block, 1 credit per semester*

In this semester class we learn about different aspects of environmental science. This includes 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 in each unit. Students will gain a better understanding of the environment that they live in and how the decisions we make affect it.

### **Anatomy and Physiology**

*Grade: 11-12, 0.5 credit per semester, 1 credit per school year*

This course is designed for students pursuing medical and health related careers or for those who wish to gain a better understanding of the human body that can be applied to everyday life. Areas of study include basic body chemistry, tissues, anatomy and physiology of all body systems, diseases and medical terminology. Instruction includes intermediate anatomy and physiology, diseases and disorders, and medical ethics.

### **Agriculture Science**

*Grade: 9-12, 0.5 credit per semester, 1 credit per school year*

Students will develop knowledge and skills that will provide a foundation for courses in animal science, plant science, horticulture, natural resources, agricultural systems and technology, or Agricultural Science II. Topics covered will be basic animal, plant, and soil science; natural resources; food science technology; agribusiness; personal and leadership development; and agricultural career awareness. Through this course, students will develop agricultural literacy.

### **Biology-Agricultural Science**

*Grade: 9-12, 0.5 credit per semester, 1 credit per school year*

This course emphasizes the principles, concepts and relationships among living organisms. Students explore ecosystems as well as how matter cycles in ecosystems, and energy flows from outside sources through the system. Humans are part of ecosystems and can deliberately or inadvertently alter an ecosystem. This course is designed to help connect the big ideas of life science with agricultural applications, which will help students acquire a broad understanding of a variety of agricultural areas, develop an awareness of the many career opportunities in agriculture.



## **Animal Science**

*Grade: 9-12, 0.5 credit per semester, 1 credit per school year*

In the Animal Science course, students study large, small, and specialty animals. Students explore the necessary elements--such as genetics, anatomy, physiology, nutrition, disease, pests, and management practices--to create humane, ecologically and economically sustainable animal production systems. Learning activities are varied, with classroom, laboratory, and field experiences emphasized.

# SOCIAL STUDIES

## **Geography**

*Grade: 9-12, 0.5 Credit per block*

This course addresses key concepts of physical and cultural geography and focuses on basic themes of world geography: location, place and human interaction with the physical environment; impact of human movement, ideas, and things; and comparisons within and between regions. Students will use critical, causal, interpretive and reflective thinking skills through observation, reading, writing, listening, speaking, and problem solving.

## **World History A**

*Grade: 9-12, 0.5 Credit per block*

This course is an overview of World History from the beginnings of civilization to the beginning of modern times. Students will learn about the major political, economic, social, cultural and technological achievements of different civilizations around the world. Students will analyze primary sources and learn historical thinking skills while they are learning about ancient civilizations.

## **World History B**

*Grade: 9-12, 0.5 Credit per block*

This course is an overview of Modern World History, from the Age of Exploration to the contemporary world. Students will focus on the changes in cultures as the world became more globally connected. Students will learn about the people, governments, and events that have shaped the world we live in today.

## **US History A**

*Grade: 9-12, 0.5 Credit per block*

Beginning with the founding of the American Republic, students explore the events, places, and people leading up to the Great Depression. Students will read *The American Odyssey: A History of the United States* and complete checkpoints and quizzes. Students will also learn how to think like historians. They will learn how to interpret primary sources, assess historical significance, discuss compromise, judge bias, and analyze data. They will demonstrate these skills by completing written assignments.

## **US History B**

*Grade: 9-12, 0.5 Credit per block*

The technological, political, economic, geographical, and social changes that marked the United States since the New Deal are explored. This exploration will culminate with the events surrounding 9/11 and the War on Terror. Students will read *The American Odyssey: A History of the United States* and complete checkpoints and quizzes. Students will learn how to read like historians. They will learn how to criticize primary sources, interpret primary source cartoons, analyze root causes, identify problems and solutions, conduct corroboration, and evaluate social media. They will demonstrate these skills by completing written assignments.

## **US Government and Politics**

*Grade: 9-12, 0.5 Credit per block*

This course begins with an introduction into the history of our Republic. Students will read content lessons and complete quizzes, including the US Civics Test. The content explores the principles and institutions of government. It delves into the underpinnings of the Constitution and its utilization by the Legislative, Executive, and Judicial branches of government. It investigates the political beliefs and behaviors of its citizenry and the institutions that link them to state and national representatives. It studies congressional policy-making and the primary source documents that inform these policies. Students will learn how to read comprehensively, to think analytically, and to reason logically. They will demonstrate these skills by completing written assignments.

## **Psychology**

*Grade: 10-12, 0.5 Credit per block*

In this course, students investigate two questions: (1) Why are people the way that they are? and (2) why do they do the things they do? This course is an overview of concepts, key ideas and theories within psychology. Unit topics include methods of study, biological basis for behavior, learning and memory, development and individual differences, and psychological disorders.

## **Sociology 1**

*Grade: 10-12, 0.5 Credit per block*

Students will learn about how people within a culture interact, organize and learn from each other. Students will learn about key ideas through the lens of each of the three sociological perspectives. Unit topics include culture, sociological perspectives, deviance, social structure and groups.

## **Sociology 2**

*Grade: 10-12, 0.5 Credit per block*

***Prerequisite: Sociology I***

In this second introductory course, students will continue to learn about how social institutions affect people's daily lives. Students will learn about the family, religion and education, government and economic systems, cities, social movements, and problems of mass society. Students will learn various theories and key terms and are asked to reflect on how the topics connect to their own lives.

**Economics**

*Grade: 9-12, 0.5 Credit per block*

Students are introduced to the basics of economic principles, and learn how to think like economists. They explore different economic systems, including the American free enterprise system, analyze and interpret data, and consider economic applications in today's world. From economics in the world of business, money, banking, and finance, students see how economics is applied both domestically and globally.

# FINE ARTS

## **Fine Art**

*Grade: 9-12, 0.5 Credit per block*

Whether you have never touched a paintbrush, or consider yourself a Michelangelo in the making, this class is just right for you! We will travel through time and explore the symbolism behind cave paintings, ancient Egyptian architecture, Greek and Roman sculpture, and Renaissance masterpieces. You will learn the basic elements and principles of art, and the techniques it has taken humans lifetimes and generations to master. Pick up the torch and give art a try (or advance your skills further). I promise this is a safe environment where it's OK to make mistakes, "To err is human; to forgive, divine"" (Alexander Pope). In this class, you will explore drawing, painting, sculpture and have an opportunity to create an artwork based on the Culture of your choice. You'll soon learn there is more to art than meets the eye!

## **Fine Art B**

*Grade: 9-12, 0.5 Credit per block*

Artists are visionaries and rebels! In this class, we will reveal the challenges modern artists had to rise above in order to have their voices heard. You have a voice, a message to share with this world, and one of the goals of this class is to cultivate the courage needed to express yourself! It took a lifetime of dedication for artists such as Pablo Picasso, Vincent van Gogh, and Andy Warhol to become the accomplished artists they are! Everyone must start somewhere. This class will provide a safe space to create a drawing, a sculpture, a painting, and a multimedia artwork. Each artwork will be inspired by a specific artist and period; however, you will put your personal spin on it and express your own message.

## **Music Appreciation**

*Grade: 9-12, 0.5 Credit per block*

This course introduces students to the history, theory, and genres of music. The course explores the history of music, from the surviving examples of rudimentary musical forms through to contemporary pieces from around the world. The course presents modern traditions, including American jazz, gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. The course explores the relationship between music and social movements and reveals how the emergent global society and the prominence of the Internet are making musical forms more accessible worldwide.

## **Digital Photography**

*Grade: 9-12, 0.5 Credit per block*

You're probably already taking photographs with your phone, or perhaps you have a fancy DSLR camera, but you don't know how to use the manual settings? Whether you're using a cell phone camera, a pocket camera, or a DSLR, this class will take your photography skills from beginner to expert! If you're already an expert, take this opportunity to play your edge- bring it! Show us what you're capable of! You don't need a DSLR to be successful in this class, but a creative mindset and a sense of adventure will take you far!

## **Advanced Commercial Photography**

*Grade: 9-12, 0.5 Credit per block*

***Prerequisite: Digital Photography***

This course is designed for students who want to further enhance their photographic knowledge and abilities. It is an application of the skills learned in Digital Photography with an emphasis on professional jobs and assignments used in commercial photography. A portfolio of each student's work is expected at the end of the course.

**CAMERA REQUIREMENT:** Since there is an industry standard for this type of work, access to a Digital SLR camera is required for Commercial Photography course.

## **Image Design**

*Grade: 9-12, 0.5 Credit per block*

Have you ever wondered how graphic artists manipulate photographs to create surreal effects that look realistic? Would you like to learn? This is the class for you!

## **Digital Arts 1**

*Grade: 9-12, 0.5 Credit per block*

***Prerequisite: Image Design***

This is an advanced course for students who are serious about pursuing a career in Digital Media. You will learn to use a complicated, mathematically-based, VECTOR software program that professionals use to design logos, t-shirts, billboard signs, and magazine graphics. At first, the Inkscape software program will seem unnatural; even the best digital drawing students will get frustrated, because it's not intuitive. But, it is brilliant. You can take any graphic design you create in a vector program and resize it as small or large as you like, and it will not lose quality. It will never look pixelated, no matter how close you zoom in! Using a vector-based software program is essential for anyone wanting to create graphics for print, billboards, t-shirts, or websites.

# CTE/ELECTIVES

## **Exploring Computer Science**

*Grade: 9-12, 0.5 Credit per block*

Exploring Computer Science is designed to introduce students to the breadth of the field computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus the conceptual ideas of computing and help students understand why certain tools of languages might be utilized to solve particular problems. The goal of ECS is to develop the students' computational thinking practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, societal and ethical issues. ( No prerequisite / .5 credit / BLK course)

## **Computer Science Principles**

*Grade: 9-12, 0.5 Credit per block*

Computer Science Principles (AP CSP) is an in-depth course that introduces students to the foundational concepts of computer science and explores the impact computing and technology have on our society. The course covers a broad range of foundational topics including: programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. Students learn programming concepts using a block programming language called Scratch. Students create projects weekly in Scratch. This is a fun and interactive class for students who are interested in computer programming.

## **Computer Programming 1**

*Grade: 9-12, 1 credit/semester*

Intro to Computer Science is an introductory-level course for students brand new to programming and computer science. In this course, you will learn problem-solving strategies, software design, and the foundations of computer science. Not only will this course prepare you for continuing study in computer science (for example, AP Computer Science A and AP Computer Science Principles), but it will teach you how to think computationally and solve real-world problems, skills that are important to every 21st-century citizen. There are no course prerequisites for this course, although you should have basic familiarity with computers and software applications. This course is taught using Python. Python is a general-purpose programming language great for beginners. It is most praised for its elegant syntax and readable code, and it's quite powerful. Python is used by many large organizations (Google and NASA for example) to do just about everything from building apps, analyzing data, system administration, and the list goes on.

## **Computer Programming 2**

*Grade: 9-12, 0.5 Credit per block*

Prerequisite - Computer Programming 1

This course reviews Computer Programming 1 and builds on the concepts learned therein. It introduces students to more complex data structures and their uses, including sequential files, arrays, and classes. Students will learn to create more powerful programs within a specific programming language. Java, Python, C++, C#, Swift

## **AP Computer Science - (This is not for AP credit)**

*Grade: 9-12, 0.5 credit/semester*

This course focuses on the details of writing computer software using the Java programming language. Our goal is to stress an object-oriented perspective throughout the material. The course emphasizes basic ideas of software engineering and our goal of developing high-quality software. We will also look at and discuss social and ethical issues around computing throughout the year. The course will consist of code-along lessons, daily programming exercises, longer coding assignments, and regular quizzes and exams. Each lesson includes practice exercises including shorter coding problems. Well over 20 hours of instructional time is spent in hands-on coding

**Prerequisite, Computer Science Principles, Computer Programming**

## **Medical Terminology**

*Grades: 10-12, 0.5 Credit per block*

This course provides students with an in-depth study of medical terminology. The course will focus on learning prefixes and suffixes and building words associated with the human body, medicine and healthcare industries. It is designed to prepare students for college medical classes and for employment in the healthcare professions.

## **Workplace Skills**

*Grades: 10-12, 0.5 Credit per block*

Students explore their options for life after high school and implement plans to achieve their goals. They identify their aptitudes, skills, and preferences, and explore a wide range of potential careers. They investigate the training and education required for the career of their choice, and create a plan to be sure that their work in high school is preparing them for the next step. They also receive practical experience in essential skills such as searching and applying for college, securing financial aid, writing a resume and cover letter, and interviewing for a job.



## **Spanish 1**

*Grades: 9-12, 0.5 credit per semester, 1 credit per school year*

Students begin their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Students are initially trained to recognize key sounds and basic vocabulary, not only in written form but also through ear training that leads quickly to oral production. Vocabulary and grammar topics are introduced in an ongoing adventure story that prompts students to use skills from all four language-learning areas. Students learn fundamental grammar as embedded in authentic spoken language. An additional handbook reinforces grammar by aligning Spanish grammar topics with their English counterparts. Cultural information covers major Spanish-speaking areas in Europe and the Americas. This course will run for two semesters, and has no prerequisite courses.

## **Spanish 2**

*Grades: 9-12, 0.5 credit per semester, 1 credit per school year*

***Prerequisite: Spanish 1***

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.

## **Game Design Fundamentals 1**

*Grade: 9-12, 0.5 Credit per block*

With this course, students will learn about different video game software and hardware, various gaming platforms, the technical skills necessary to design games, troubleshooting and Internet safety techniques, and the history of gaming. Students will even have the opportunity to create their own plan for a 2D video game! With the knowledge and skills students will gain in this course, they can take their hobby and turn it into a potential career. ( No prerequisite )

## **Game Design Fundamentals 2**

*Grade: 9-12, 0.5 Credit per block*

We live in a technologically advanced world. And a huge part of that world is based in virtual reality and video games. Do you enjoy playing video games? Have you ever thought about designing your own video game? By signing up for Game Design II, you will have the opportunity to explore all things related to video game design. This course will give you the skills to conceptualize, design, and fully create your very own video game. Explore various video game software and hardware, sharpen your coding skills, learn about game storylines, player progression, and algorithmic decision making. This course allows you to analyze player goals, player actions, rewards, and challenges, among many other game play components. Utilize twenty-first century skills involving creativity, critical thinking, communication, collaboration, and technical expertise. When you sign up for Game Design II, you are putting yourself at the forefront of a future in technology! (Game Design Fundamentals 1 prerequisite)

## **Marketing**

*Grade: 9-12, 0.5 Credit per block*

Students learn the foundations and functions needed to successfully market goods, services, and ideas to consumers. Professional development, customer service, and social media are presented as keys to students' success. While students study business, economics, selling, human relations, communications, logistics, promotion, product planning, and pricing, they also see marketing as a career choice.

## **Entrepreneurship**

*Grade: 9-12, 0.5 Credit per block*

In this introductory business course, students learn the basics of planning and launching their own successful business. Whether they want to start their own money-making business or create a nonprofit to help others, this course helps students develop the core skills they need to be successful. They learn how to come up with new business ideas, attract investors, market their business, and manage expenses.

## **Hospitality and Tourism**

*Grade: 9-12, 0.5 Credit per block*

This course introduces the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Students learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

### **Customer Service**

*Grade: 9-12, 0.5 Credit per block*

The focus of this course is for students to gain an understanding of the skills, aptitudes, and thought processes necessary to achieve customer satisfaction and loyalty in a variety of settings. Students will learn and develop customer service strategies as well as the skills and abilities necessary for working with customers; this will include helping customers to make decisions as well as resolving concerns and issues that may arise.

### **Financial Literacy**

*Grade: 10-12, 0.5 Credit per block*

How do our personal financial habits affect our financial future? How can we make smart decisions with our money in the areas of saving, spending, and investing? This course introduces students to basic financial habits such as setting financial goals, budgeting, and creating financial plans. Students will learn more about topics such as taxation, financial institutions, credit and saving, and investing. This course addresses issues surrounding consumer protection, risk management, identity theft and how careers and educational choices influence personal income and finances.

### **Foods & Nutrition 1**

*Grade: 9-12, 0.5 Credit per block*

This course is designed to focus on the science of food and nutrition. Experiences will include food safety and sanitation, culinary technology, food preparation and dietary analysis to develop a healthy lifestyle with pathways to career readiness. Laboratory-based experiences strengthen comprehension of concepts and standards outlined in Sciences, Technology, Engineering and Math (STEM) education. Student leadership and competitive events (FCCLA) may be integrated into this course.

### **Foods & Nutrition 2**

*Grade: 9-12, 0.5 Credit per block*

#### ***Prerequisite: Foods & Nutrition 1***

This course is designed to focus on principles of food preparation, sports nutrition, consumerism, and career options in the food industry. The study and application of nutrition, sanitation, food sciences and technology in this course provides students with laboratory-based experiences that will strengthen their comprehension of concepts and standards outlined in Science, Technology, Engineering and Math (STEM) education. FCCLA may be an integral part of this course.

### **Retailing**

*Grade: 9-12, 0.5 Credit per block*

This course will prepare the student to operate businesses that sell, rent, or lease goods and services. This course will provide insight into the theory and application of merchandise/service assortment, pricing, promotion mix, location, store layout, and customer service activities necessary for successful retail operations. Students taking marketing related courses should have the opportunity to participate in a related CTSO organization.

**Business Management**

*Grade: 9-12, 0.5 Credit per block*

This Business Management course seeks to develop sound management concepts within students, as management plays a role in any future employment opportunity. Students are able to analyze, synthesize, and evaluate data from the other functional areas of business (e.g., marketing, finance, and production/operation). Effective management requires decision-making abilities, long-range planning knowledge, human relations expertise, and motivational skills. Students learn the four basic functions of management: planning, organizing, directing, and controlling.

**Digital Business Application**

*Grade: 9-12, 0.5 Credit per block*

The business world is progressively more reliant on digital technologies. The Digital Business Applications course is designed to prepare students with the knowledge and skills to be an asset to the collaborative, global, and innovative business world of today and tomorrow. Concepts include the overall digital experience, digital communications, digital media and the exploration of career choices. This course also provides practical experience in professionalism using various forms of presentation skills, including speaking, podcasting and digital portfolio relating to the globalization of business.

# PE & HEALTH

## **Participation Skills**

*Grade: 9-12, 0.5 Credit per block*

Participation Skills and Techniques is designed to develop competency in up to five different activities. Competency involves the ability to apply the basic skills, strategies, and rules using standardized guidelines or rubrics. This block class offers students instruction in lifetime activities and fulfills one P.E. requirement for high school graduation (.50 credits). Individual, dual, and team sports activities are included, with the emphasis on activities offering lifelong participation opportunities.

## **Fitness for Life**

*Grade: 9-12, 0.5 Credit per block*

Fitness for Life is an individualized, concepts-based, block course designed to give students the knowledge and skills necessary to self-assess, create, conduct, evaluate, and redesign personal fitness programs. It is required of all students and there are no substitutions, including participation in athletics. Fitness for Life may be taken anytime during grades nine through twelve, but it is strongly recommended that students take the class in the tenth-grade year. The course is a combination of classroom and activity-based learning activities with a focus on proper nutrition and the mastery of skills and concepts necessary for students to become accomplished monitors of their personal lifetime fitness. Through participation, students learn to compare the fitness benefits in a variety of individual and team activities. This class fulfills one P.E. requirement for high school graduation

## **Lifetime Activities**

*Grade: 9-12, 0.5 Credit per block*

Individualized Lifetime Activities is designed to offer a higher level of proficiency and more in-depth instruction in up to three different lifetime activities. Improved fitness is a goal of each Individualized Lifetime Activities course. The curriculum is designed to develop competency in up to three lifetime activities. Competency is defined as the ability to apply basic skills, strategies, and rules using standardized guidelines or rubrics. This class fulfills one P.E. requirement for high school graduation

## **Health Skills for Life**

*Grade: 9-12, 0.5 Credit per block*

In this course we will discuss the different aspects of health including mental, social, emotional, physical, environmental, and spiritual. We will also discuss important topics such as substance abuse, prevention of disease, and the life cycle.

# CTE PATHWAYS

Career and technical education (CTE) is the practice of teaching specific career skills to students in middle school, high school, and post-secondary institutions. CTE is split into 16 career clusters that apply to different high-demand careers in fields such as- Health science, Business, Science, Technology, Engineering, Math, and others. You learn hands-on skills that you can take with you to a job, or with you as you pursue secondary education. You will be armed with a certificate recognized throughout the State showing you have the skills to succeed in the workplace. CTE gives students the academic, technical and employability skills needed for post-secondary and workplace success. These classes also give students the ability to learn the skills in order to help gain and maintain a job in the future.

**FOR MORE INFORMATION VISIT: [utahvirtualacademy.org/cte](http://utahvirtualacademy.org/cte)**

## **Programming and Software Development**

1. Computer Programming 1
2. Computer Science Principles
3. Computer Programming II
4. Gaming Development Fundamentals
5. Exploring Computer Science 1
6. Workplace Skills

## **Marketing**

1. Customer Service
2. Entrepreneurship
3. Marketing 1
4. Retailing

## **Hospitality and Tourism**

1. Marketing 1
2. Hospitality and Tourism
3. Customer Service
4. Entrepreneurship
5. Workplace Skills

## **Food Science, Dietetics and Nutrition**

1. Food and Nutrition 1
2. Food and Nutrition 2

## **Business Information Management**

1. Customer Service
2. Entrepreneurship
3. Digital Business Applications

## **Business Administration**

1. Customer Service
2. Entrepreneurship
3. Business Management

## **Agricultural Production Systems**

1. Agriculture Science 1
2. Biology-Agricultural Science

## **Animal and Vet Science**

1. Agriculture Science 1
2. Animal Science 1A
3. Animal Science 1B
4. Biology-Agricultural Science

# CONCURRENT ENROLLMENT

## **English 1010/2010**

3 Credits (College) 1 Credit (UTVA)

*To qualify for this course, students must have a cumulative GPA of 3.5 or better. Students must demonstrate proficiency on at least one of the assessments noted below:*

English ACT placement score of 17 or higher AND an ACT Reading placement score of 17. OR an Accuplacer English placement score of 76 or higher AND an Accuplacer Reading placement score of 66 or higher OR an SAT English placement score of 450 AND an SAT Reading placement score of 420 or higher.

## **ENG 2200**

3 Credits (College) 1 Credit (UTVA)

Fulfills a Literature/Humanities General Education requirement and is an approved Global and Cultural Perspectives course. For all students who would like to increase their enjoyment of literature. Provides basic understanding of novels, short stories, poems, plays, and essays. Students will learn to read analytically and write critically. Course offered in rotation, check class schedule. **\*\*COURSE LEARNING OUTCOMES (CLOs)** At the successful conclusion of this course, students will be able to: 1. Analyze, orally and/or in written form, literary concepts including setting, characterization, theme, point of view, figurative language, and plot. 2. Examine ethical values and critically discuss philosophical concerns in literature. 3. Create both formal critical essays and informal responses to concerns expressed in course texts. 4. Apply the techniques of effective collaboration through successful completion of various group activities

## **Math 1030**

3 Credits (College) 1 Credit (UTVA)

*To qualify for this course, students must have a cumulative GPA of 3.5 or better. Students must demonstrate proficiency on at least one of the assessments noted below:*

Fulfills General Education Mathematics requirement for students in Fine Arts, Liberal Arts and other degrees. Focuses on development of analytical problem solving skills through the application of various mathematical concepts to real-life problems. Topics include logic; financial math; problem solving; numeration systems; geometry; measurements; probability; statistics; and modeling with algebra. A class presentation is required for this course. Students are cautioned to check degree and/or transfer requirements before taking this course. Course fee required.

### **Geology 1010**

3 Credits (College) 1 Credit (UTVA)

To qualify for this course, students must have a cumulative GPA of 3.5 or better. Students must demonstrate proficiency on at least one of the assessments noted below:

Fulfills Physical Science General Education requirement. Focuses on the physical dynamics of the natural environment, delineating its geosphere, hydrosphere, atmosphere, and biosphere components, and their global patterns of interaction. Highlights the processes of science that underpin this systemic view of the world. Emphasizes issues of resource availability, along with their political and social ramifications. Particular emphasis is placed on the challenges natural hazards present to civilization, worldwide. The extraordinary geology of the region surrounding DSU is featured in many textbook and lecture examples. One field trip required.

### **Financial Literacy 1750**

3 Credits (College) 1 Credit (UTVA)

To qualify for this course, students must have a cumulative GPA of 3.5 or better. Students must demonstrate proficiency on at least one of the assessments noted below:

Society is placing increasing responsibility on individuals for their financial well-being (e.g., retirement, health care). This course is devoted to building quantitative skills associated with individual financial decision making and analyzing the connection between individual decisions and societal well-being. This course seeks to address the "how" and "why" in personal financial decisions. Topics covered include credit/debt, property insurance, saving, and investing. The course will draw on multiple disciplines. Economics, finance, and applied mathematics are directly addressed. Public financial policy in areas of political science, law, and psychology are also discussed.

### **POLS 1100**

3 Credits (College) 1 Credit (UTVA)

Fulfills the General Education American Institutions (Utah State Code R470) requirement. Surveys the founding of the U.S. Government; the U.S. Constitution; and the Legislative, Executive, and Judicial branches of government. Also covers politics and elections, international relations, and national security. Helps students acquire a greater understanding of the federal system and of federalism. Employs a wide variety of instructional methods including lectures, student reports, discussions, and audio-visual materials. Successful students will demonstrate a reasonable understanding of the history, principles, form of government, and economic system of the United States. \*\*\*COURSE LEARNING OUTCOMES (CLOs) At the successful conclusion of this course, students will be able to: 1. Identify and understand the major topical divisions, theories, concepts, and structures of American government and the American political system. 2. Analyze governmental and political decisions and processes. 3. Argue and write analytically and coherently about significant issues and problems in American government. 4. Demonstrate understanding of American government and current political issues that relate to American government



## **COMM 2110**

3 Credits (College) 1 Credit (UTVA)

Fulfills General Education Social & Behavioral Sciences, and is an approved Global and Cultural Perspectives course. Required of all Communication Studies majors, but open to all students. Focuses on communication skills in a wide range of interpersonal areas appropriate to business or personal relationships, and involving initiating, developing, maintaining, and controlling the deterioration of relationships, with emphasis on listening, assertiveness, supportive climates, conflict, power management, and disclosure. Introduces the special needs of intercultural communication, and prepares students to effectively express ideas in one-to-one settings. Inclusive Access Course Material (electronic book) fees may apply, see Fees tab under each course section for details.

**\*\*COURSE LEARNING OUTCOMES (CLOs)** At the successful conclusion of this course, students will be able to: 1. Identify, explain, and demonstrate interpersonal communication theories, models, and processes. 2. Develop and apply critical thinking and analytical skills in interpersonal communication contexts. 3. Employ and assess effective listening, observational, and problem-solving strategies in dyadic and group settings. 4. Describe and differentiate between constructive and deconstructive communication approaches. 5. Explain and evaluate the relationships between power, identity, culture, and disclosure in interpersonal communication contexts. 6. Describe and apply pragmatic strategies for relationship generation, maintenance, and termination. 7. Analyze and evaluate personal communication and relationships through self-reflection, self-awareness, and recognition of various cultural and environmental norms.