Chandler Online Academy

Course Catalog 2017-2018



Located in the ICAN Building 650 E. Morelos St. Chandler, AZ 85225 http://cusd80.com/Domain/4364

Table of Contents

*This course catalog is an abbreviated version of the Chandler Unified School District course catalog. For further course or district information you may refer to the District Catalog found here: <u>http://cusd80.com/page/1147</u>

General Information

Starting with a foundation of evidence-based e-learning software created by experts in K-12 educational technology, CUSD's experienced curriculum development specialists and Chandler Online Academy's experts in online instruction have teamed together to evaluate, supplement, and enhance our digital courses to ensure they are aligned to Arizona State and National Common Core Standards. Our online courses exhibit the educational quality and standards of excellence that are characteristic of CUSD.

Combining tested and proven digital courseware with CUSD's experience, values, and commitment to educational excellence, Chandler Online Academy is able to ensure our students will have access to educational excellence and exceptional support in a format and setting that will fit their life-style and learning needs. By choosing to enroll in Chandler Online Academy, students and parents can have confidence in the quality of the e-learning experience students will receive.

Course Credits

All online high school courses offered by Chandler Online Academy are worth .5 credit that can be applied toward graduation. Each .5 credit course is designed to be completed in 9-18 weeks and will require 75-125 hours of study and learning activity time for a student to complete all coursework and earn credit. Students must complete all prerequisites listed for courses prior to registering.

One-half unit of credit is granted to students who receive a passing grade in a one-semester course. Junior high courses and courses taken by students enrolled in a grade level below 9th grade cannot be used for high school credit. High school math, science, and world languages taken in 7th and 8th grade may be placed on the student's high school transcripts, but will not count towards fulfilling high school graduation requirements. Only students enrolled in grades 9-12 will receive credit for high school level courses.

By Governing Board policy, freshmen, sophomores and juniors are required to take six credit bearing courses per semester. Seniors need to review their credits with a counselor to ensure that all graduation requirements are being met. Special Education Students are required to complete the course of study as prescribed in their Individual Education Plan (IEP).

Non-Weighted Classes

All courses taught for credit receive a letter grade or pass/fail option. In order to earn a passing grade and receive credit, students must take the final exam in a designated proctored testing environment and score 60%* or higher on the proctored final exam.

Weighted Classes

Weighted grades are assigned to courses that are accelerated and more challenging. A 5.0 grade-point value is possible because of the academic rigor and higher expectations in the work required for that course. The grade-point value for these grades is A=5.0, B=4.0, C=3.0, D=1.0, F=0.

Weighted courses are listed with Honors or AP (Advanced Placement) designations in their titles. Grade point average (GPA) for transferring students is recomputed in order to align the transferring classes with the courses offered at Chandler Unified School District high schools. Students transferring among CUSD high schools will receive weighted grades only for those classes that align to the receiving school's IB/AP/Honors classes.

Advanced Courses

Advanced Placement (AP) courses are available at all CUSD high schools. AP courses prepare students to take the national Advanced Placement examination given in late spring of each school year. Students may be granted advanced placement status and/or college credit on the basis of how well they perform on these tests. Information regarding advanced placement courses and examinations is available from the counseling offices of each high school. Students are not required to take an advanced placement course to be eligible to take an advanced placement examination; however; students enrolled in AP courses are expected to take the AP exam. AP/Honors classes are available to Full-time online students and Part-Time students; they are not available to Concurrent online students.

Classes Taken a Second Time for Grade Replacement and/or Credit Recovery

When a 9-12 class is taken a second time, and is not a class that may be repeated for credit, the highest grade earned will be the grade included in the GPA calculations; however, both classes will be listed on the official transcript. All students repeating a class will be considered Part-Time and will be charged a fee of \$160 per semester class, except for Full Time Chandler Online Academy Students.

Acceptance of Transfer Credits

Acceptance of transfer credits from sources outside the Chandler Unified School District is not automatic. It is recommended that students meet with their counselor before

enrolling in courses outside the Chandler Unified School District to clarify whether the credit will be granted as an elective or core and to determine what process must be followed. Please refer to policy JFABC and JFABC-R, Admission of Transfer Student (Academic Transfer Credits). CUSD Governing Board Policy can be found at http://www.boarddocs.com/az/chandler/Board.nsf

Material Usage Fees

High school students may be assessed reasonable fees for fine arts and career and technical education courses and for optional services, equipment and materials offered to students beyond those required to successfully complete the basic requirements. Fees associated with individual courses are provided in the Course Description section of this catalog. In addition to specific course fees, online courses taken in addition to a full schedule of 6 classes per semester must be purchased prior to starting the course/s. Concurrent students taking an online course for credit recovery or grade replacement will be assessed the course fee. Any student or family

not able to pay these fees because of economic hardship should contact the principal of the school at which they take the majority of their scheduled classes.

East Valley Institute of Technology (EVIT)

Chandler Unified School District cooperates with the East Valley Institute of Technology; however, EVIT is a separate school district apart from the Chandler Unified School District. It is a specialized school offering high school level technical training in 13 cluster areas. EVIT students attend career and technical courses one-half of each day. The other half of each day is spent at their home high schools. Transportation is provided between home schools and EVIT. Counselors at all CUSD high schools can provide detailed information on entrance requirements and program specifications. EVIT course selections are listed on EVIT's website: www.evit.com/programs/.

World Languages

Junior High World Languages

Beginning Spanish

(Semester 1: SPA701A or Semester 2: SPA701B)

In this course, students will learn basic Spanish phrases and vocabulary through interactive lessons that will include images, recordings and videos. Credits: Junior High 0.5 credits per semester

Intermediate Spanish

(Semester 1: SPA702A or Semester 2: SPA702B)

In this course, students will journey with our student traveler, Cristina, to Spain, Puerto Rico, Columbia, and Argentina. Cristina will share her experiences as students learn how to speak Spanish in many useful situations. New words and phrases will be introduced with pictures, audio clips, and videos. Students will learn how to greet people, introduce themselves, and speak about their family, home, food, sports, and more through interactive activities, reading, writing, listening, and speaking exercises. Prerequisites: Beginning Spanish

Credits: Junior High 0.5 credits per semester

High School World Languages

Spanish 1

(Semester 1: SPA100A or Semester 2: SPA100B)

Students will learn basic Spanish grammar to help build their fluency and understanding. There are many opportunities to practice what they learn through interactive practice activities in the form of games, written practice, listening, and speaking exercises. Prerequisites: Grades 9-12 or Admin Approval

Credits: 0.5 credits per semeste

Spanish 2

(Semester 1: SPA200A or Semester 2: SPA200B)

The purpose of this course is to strengthen Spanish listening, speaking, reading, and writing skills. Students will also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world. Prerequisites: Grades 9-12. Spanish 1

Credits: 0.5 credits per semester

Honors Spanish 3 (Semester 1: SPA305A or Semester 2: SPA305B)

In this course, students will have many opportunities to perfect the Spanish they learned in previous courses. They will have the chance to further expand their vocabulary and learn about Spanish-speaking countries. Prerequisites: Grades 9-12. Spanish 2.

Credits: 0.5 credits per semester

AP Spanish Language COMING SOON! (Semester 1: SPA405A or Semester 2: SPA405B)

This course is designed to develop students' interpersonal communication skills in Spanish and to prepare them for the AP Language examination. Students will learn to achieve a high level of ability in listening, speaking, reading and writing. Prerequisites: Grades 10-12. Spanish 3 or equivalent or instructor app

Health & Physical Education

Junior High Physical Education

Comprehensive PE- Grade 7

(one semester course: <u>PED700</u>)

This interactive, highly animated course helps students learn safety rules for exercise, how to improve skills, and how to establish and accomplish goals. It also provides an overview of many dual, team, extreme, and outdoor sports. Credits: Junior High 0.5 credits

Comprehensive PE- Grade 8

(one semester course: <u>PED800</u>)

Practicing game strategy to improve the chance of winning in competition, improving sport skill and performance, diversity in sports, nutrition, peer pressure, and making good choices balance out the topics students discover in this course. Fitness logs help students monitor physical activities. Students complete projects that lead to the knowledge, skills, and values they need to implement and maintain a physically active lifestyle.

Credits: Junior High 0.5 credits

High School Physical Education and Health

Comprehensive Health (one semester course: PED220)

This course guides students as they deal with important decisions by providing them with the facts they need. Students will learn how to deal with real issues that impact their lives every day, such as nutrition, substance abuse, stress, and their health.

Credits: 0.5 credit course

Physical Education (P.E.) (Semester 1: <u>PED150A</u> or Semester 2: <u>PED150B</u>)

In this course, students will experience the many benefits of regular physical activity, proper nutrition, and sound decision making. Students will assess their current physical condition and define personal goals. Students will apply fitness training principles, enhancing improvement in health and skill-related areas of fitness.

Credits: 0.5 credits per semester

Personal Fitness (1 semester of P.E.) (one semester course: PED140A)

Students will start by assessing their physical condition. They will keep a workout log to measure progress. In addition, they will have a great personal trainer (their teacher) who will help them set realistic goals.

Credits: 0.5 credit course

Electives

Junior High Electives

Junior High Photography

(Semester 1: PHO700A or Semester 2: PHO700B)

This course introduces students to the basics of photography, including camera functions and photo composition. Students will learn what it takes to create a good photograph and how to improve photographs of animals, people, and vacations. They will also begin working with their photographs using photoediting software. Through a variety of assigned projects, students will engage their creativity by photographing a range of subjects and learning to see the world through the lens of their cameras

Credits: Junior High 0.5 credits per semester

Junior High Career Exploration (Semester 1: <u>ELE705A</u> or Semester 2: <u>ELE705B</u>)

In Career Exploration, you'll explore careers in over fifteen different career areas. From the energy field to human resources and from law to transportation, you'll learn more about what careers are available and what you need to do to get there. In addition, you'll examine how to choose the career that is best for you based on your own unique personality and interests as well as how you can begin developing your leadership skills now. Career Exploration will help you prepare for your future now.

Credits: Junior High 0.5 credits per semester

Junior High Journalism

(Semester 1: ELE770A or Semester 2: ELE770B)

Are you someone who likes to get the story straight? Do you always want to know more? Who? What? When? Where? How? These are the details that make for a great story. Knowing how to find these key facts and then write them up in a way that makes it easy for others to read about it is the skill of a true journalist. In Middle School Journalism: Tell Your Story, you'll learn how ask the right questions, look for the details, and find the story in any situation. You'll learn how to gather information effectively, organize ideas, format stories for media production, and edit your articles. Get ready to break that news. **Credits: Junior High 0.5 credits per semester**

Junior High Music Fundametics

Junior High Music Exploration (Semester 1: <u>ELE780A</u> or Semester 2: <u>ELE780B</u>)

What comes to mind when you hear the word 'music?' Do you think about your favorite band or artist? Do you think about instruments and scales and chords? The word 'music' means something different to everyone. This is why in Exploring Music there is a little bit of something for everyone! You will learn about how we hear music and how music affects our lives. You will explore important elements of music like rhythm, pitch, and harmony, as well as different musical genres. You will discover more about your singing voice and musical instruments and composition while taking in the history and culture of music by signing up for this course.

Credits: Junior High 0.5 credits per semester

High School Electives

<u>Art in World Cultures</u> (Semester 1: ART180A or Semester 2: ART180B)

You will learn about some of the greatest artists while also creating art of your own, including digital art. We will explore the basic principles and elements of art, learn how to critique art, and examine some of the traditional art of the Americas, Africa, and Oceania in addition to the development of Western art. Credits: 0.5 credits per semester

Art History and Criticism (Semester 1: <u>ART190A</u> or Semester 2: <u>ART190B</u>)

Students explore the role of art in history and culture through observation and analysis of significant works of art and architecture from Prehistory through the 16th century. Student historians investigate the societal context of works, considering traditional forms and conventions of representation, symbology, and the purposes for which the art was created. The course includes an introduction to the methodologies of art history and criticism, study of the media and techniques used by artists from various cultures and time periods, and use of appropriate terminology in verbal and written analyses of artworks drawn from around the world. Student historians critique and compare works across time and cultures to develop an understanding of, and respect for, the visual arts as a chronicle of history, cultural heritage, and the human experience.

Credits: 0.5 credits per semester

<u>AP History of Art</u> (Semester 1: <u>ART335A</u> or Semester 2: <u>ART335B</u>) Valiable for Full-time online students and students who are replacing a grade and PAY for the di-

Students will explore the interconnections between art, culture, and historical context using critical analysis through the critical lenses of artistic expression, cultural awareness, and purpose. Using a defined art historical skill set and reflective learning, students will analyze relationships across cultures with a global lens. The examination of how people have responded to and communicated their experiences through art will enable students to think conceptually about art ranging from prehistoric to contemporary. **Credits: 0.5 credits per semester**

Creative Writing

(Semester 1: ENE200A or Semester 2: ENE200B)

This course provides students with a solid grounding in the writing process, from finding inspiration to building a basic story to using complicated literary techniques and creating strange hybrid forms of poetic prose and prose poetry. By the end of this course, students will learn how to discover their creative thoughts and turn those ideas into fully realized pieces of creative writing. **Credits: 0.5 credits: 0.5 cr**

Criminology

(Semester 1: ELE102A or Semester 2: ELE102B)

In today's world, crime and deviant behavior rank at or near the top of many people's concerns. In this course, we will study the field of Criminology – the study of crime. We will look at possible explanations for crime from the standpoint of psychological, biological and sociological perspectives, explore the categories and social consequences of crime, and investigate how the criminal justice system handles not only criminals, but also their misdeeds. **Credits:** 0.5 credits of conservences of crime starts of the categories and social conservences of crime and investigate how the criminal justice system handles not only criminals, but also their misdeeds.

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HIGH SCHOOL ELECTIVES CONTINUED ON NEXT PAGE

Electives High School Electives (continued)

Digital Photography I

(Semester 1: DPH100A or Semester 2: DPH100B)

The Digital Photography I course focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students will be introduced to the history of photography and basic camera functions. Students will use the basic techniques of composition and camera functions to build a portfolio of images, capturing people, landscapes, close-up, and action photographs.

Credits: 0.5 credits per semester

Digital Photography II

(Semester 1: DPH200A or Semester 2: DPH200B)

In this course, we will examine various aspects of professional photography, including the ethics of the profession, and examine some of the areas that professional photographers may choose to specialize in, such as wedding photography and product photography. We will also learn more about some of the most respected professional photographers in history and we will learn how to critique photographs in order to better understand what creates an eye catching photograph.

Credits: 0.5 credits per semester

Entrepreneurship

(Semester 1: MRK320A or Semester 2: MRK320B)

What does it really take to own your own business? Does the sound of being your own boss make you feel excited or anxious? Either way, Entrepreneurship: Starting Your Business will get you started in the right direction. This course explains the ins and outs of such an enterprise, giving you the confidence needed to be your very own boss. You will discover what is needed to operate a personal business from creating a plan, generating financing, and pricing products to marketing services and managing employees. If you've ever dreamed of being a true entrepreneur but feel daunted by the prospect, this is your chance to learn all you need to know.

Credits: 0.5 credits per semester

Health Science: The Whole Individual (Semester 1: PED160A or Semester 2: PED160B)

In this course, students will be introduced to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. They will explore the importance of diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science areas.

Credits: 0.5 credits per semester

AP Human Geography

(Semester 1: <u>SSE205A</u> or Semester 2: <u>SSE205B</u>) *Available for Full-time online students and students who are replacing a grade and PAY for the class*

Students will explore the diverse ways in which people affect the world around them and how they are affected by their surroundings. Students will discover how ideas spread and cultures form, and learn how beliefs and architecture are part of a larger culture complex. In addition to introducing students to the field of Human Geography, this course will teach students how to analyze humans and their environments.

Credits: 0.5 credits per semester

Law & Order

(Semester 1: ELE103A or Semester 2: ELE103B)

Every society has laws that its citizens must follow. From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Our lives are guided and regulated by our society's legal expectations. Consumer laws help protect us from faulty goods; criminal laws help to protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce and child custody. This course focuses on the creation and application of laws in various areas of society. By understanding the workings of our court system, as well as how laws are actually carried out, we become more informed and responsible citizens in our communities and of our nation.

Credits: 0.5 credits per semester

knowledge and listening skills, making future music experiences more informed and satisfying.

Credits: 0.5 credits per semester

High School Electives (continued)

Music Appreciation (FINE ART)

(Semester 1: ELE106A or Semester 2: ELE106B)

Music is part of everyday lives and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the Twentieth First Century. Students will acquire basic

Personal Psychology I

(Semester 1: ELE104A or Semester 2: ELE104B)

Self-knowledge is the key to self-improvement! More than 800,000 high school students take psychology classes each year. Among the different reasons, there is usually the common theme of self-discovery! Sample topics include the study of infancy, childhood, adolescence, perception and states of consciousness. Online psychology experiments dealing with our own personal behavior is featured within this course.

Credits: 0.5 credits per semester

Personal Psychology II (Semester 1: <u>ELE201A</u> or Semester 2: <u>ELE201B</u>)

Enrich the quality of your life by learning to understand the actions of others! Topics include the study of memory, intelligence, emotion, health, stress and personality. This courses features exciting online psychology experiments involving the world around us.

Credits: 0.5 credits per semester

AP Psychology

(Semester 1: <u>SSE315A</u> or Semester 2: <u>SSE315B</u>)

(Schnester 1. <u>SSLSISA</u> of Schnester 2. <u>SSLSISB</u>) Student must have taken at least one year of Psychology previous to taking this course *Available for Full-time online students and students who are replacing a grade and PAY for the class*

This course providing students an overview of the development of human behaviors and thoughts. Along with preparation for the AP Psychology exam, the goals of this course are to immerse students in modern psychological investigation techniques, to accentuate the ethics and morality of human and animal research, and to emphasize scientific critical thinking skills in application to the social sciences. Psychology is a diverse social and biological science with multiple perspectives and interpretations.

Credits: 0.5 credits per semester

Sports and Entertainment Marketing (Semester 1: <u>MRK310A</u> or Semester 2: <u>MRK310B</u>)

In this course, you'll have the opportunity to explore basic marketing principles and delve deeper into the multi-billion dollar sports and entertainment marketing industry. You'll learn about how professional athletes, sports teams, and well known entertainers are marketed as commodities and how some of them become billionaires as a result. If you've ever wondered about how things work behind the scenes of a major sporting event such as the Super Bowl or even entertained the idea of playing a role in such an event, then this course will introduce you to the fundamentals of such a career.

English/Language Arts

Junior High Language Arts

7th Grade Language Arts

(Semester 1: <u>ENG700A</u> or Semester 2: <u>ENG700B</u>) *Honors Available: (Semester 1 Hon: <u>ENG705A</u> or Semester 2 Hon: <u>ENG705B</u>)

In this course, students will read, listen to, and analyze stories. They will read various texts, such as newspapers and novels, in addition to discovering their own ability to write. **Prerequisites:** Recommended for 7th Grade

Credits: Junior High 0.5 credits per semester

8th Grade Language Arts

(Semester 1: <u>ENG800A</u> or Semester 2: <u>ENG800B</u>) *Honors Available:

(Semester 1 Hon: ENG805A or Semester 2 Hon: ENG805B)

The purpose of this course is to give students the tools to understand and express themselves through writing. By the end of the course, students will have completed a portfolio of their original writings. Prerequisites: Recommended for 8th Grade

Credits: Junior High 0.5 credits per semester

High School Language Arts

English 9

(Semester 1: <u>ENG100A</u> or Semester 2: <u>ENG100B</u>) *Honors Available:

(Semester 1 Hon: ENG105A or Semester 2 Hon: ENG105B)

In this course, students will gain language arts skills by reading literature, writing, listening, viewing, and speaking. They will learn to use the English language successfully to express themselves.

Credits: 0.5 credits per semester

English 10

(Semester 1: ENG200A or Semester 2: ENG200B) *Honors Available:

(Semester 1 Hon: ENG205A or Semester 2 Hon: ENG205B)

Student will be exposed to various forms of communication, including verbal, visual, and audio. In addition to evaluating the plot and characters of well-known writers, students will learn to identify themes, create dialogue, and appeal to emotions through their writing. **Prerequisites: English 9**

Credits: 0.5 credits per semester

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English 11

(Semester 1: ENG300A or Semester 2: ENG300B)

In this course, the writing and insights of authors throughout history are collected in a fictitious newspaper called "The Virtual Times." Students will gain an appreciation of American literature and learn about the times in which it was written.

Prerequisites: English 10

Credits: 0.5 credits per semester

AP English Language and Composition (Semester 1: ENG305A or Semester 2: ENG305B)

Available for Full-time online students & students who replace a grade and PAY for the class Students will become skilled readers of prose written in various periods, disciplines, and rhetorical contexts. They will gain understanding of the interactions between writer's purposes, audience expectations, and subjects. Prerequisites: English 9 and 10

Credits: 0.5 credits per semester

English 12

(Semester 1: ENG400A or Semester 2: ENG400B) *AP Literature Available (see description)

In this course, students will be asked to choose pieces of literature that interest them; analyzing the subject matter, and persuasively expressing their own ideas. Prerequisites: English 11

Credits: 0.5 credits per semester

AP English Literature and Composition

(Semester 1: ENG405A or Semester 2: ENG405B)

Available for Full-time online students & students who replace a grade and PAY for the class In this course, students will develop critical standards for the appreciation of literary works and increase their sensitivity to literature as shared experiences. Prerequisites: English 9, 10, & 11

Mathematics

Junior High Mathematics

7th Grade Mathematics

(Semester 1: <u>MAT700A</u> or Semester 2: <u>MAT700B</u>) *Honors students take 8th grade Pre-Algebra

This course gives students **Prerequisites:** Algebra I opportunities to create, investigate, and demonstrate knowledge through animations, applications, videos, games, and real-world scenarios.

Credits: Junior High 0.5 credits

Pre-Algebra (8th grade Math)

(Semester 1: MAT800A or Semester 2: MAT800B)

*Honors students take 9th grade Algebra 1 Students will love this hands-on math course. Through engaging exercises and assessments students will gain a true understanding of higher-level concepts, such as systems of equations and central tendencies. Prerequisites: Recommended for 8th Grade

Credits: Junior High 0.5 credits

High School Mathematics

<u>Algebra I</u>

(Semester 1: MAT100A or Semester 2: MAT100B)

This course contains the basic knowledge students need for all high school math courses. Students will understand the practical use of algebra with hundreds of real-world examples. Prerequisites: Pre-Algebra (8th Grade Math)

Prerequisites: Pre-Algebra (8th Grade Math Credits: 0.5 credits per semester

Geometry

(Semester 1: <u>MAT200A</u> or Semester 2: <u>MAT200B</u>) *Honors Available:

(Semester 1 Hon: <u>MAT205A</u> or Semester 2 Hon: <u>MAT205B</u>)

In this course, students will learn about points, lines, and planes. They will learn about shapes and gain an understanding of how geometry affects the world around us.

Prerequisites: Algebra I

Credits: 0.5 credits per semester

<u>Algebra II</u>

(Semester 1: <u>MAT300A</u> or Semester 2: <u>MAT300B</u>) *Honors Available:

(Semester 1 Hon: MAT305A or Semester 2 Hon: MAT305B)

Starting with a review of basic algebra, students will learn polynomials, quadratic equations, exponential and logarithmic relations, and probability and statistics. **Prerequisites: Geometry or Honors Geometry**

Credits: 0.5 credits per semester

Interest Theory Advanced Algebra w/Financial Applications (Semester 1: <u>MAT350A</u> or Semester 2: <u>MAT350B</u>)

In this course, the student will apply knowledge of algebra exploring topics such as saving money, spending money, and dealing with debt. The student will apply formulas to determine account balances, monthly payments, and total costs. The student will extend knowledge of the financial applications of algebra by exploring investments, mortgages, and retirement savings plans. Prerequisites: recommended as a senior math class (Admin Approval needed if taken before senior year)

Credits: 0.5 credits per semester

Honors Pre-Calculus

(Semester 1: MAT405A or Semester 2: MAT405B)

Students, as mathematic analysts, investigate how advanced mathematics concepts are used to solve problems encountered in operating national parks. As students venture from algebra to trigonometry, they analyze and articulate the real-world application of these concepts. The purpose of this course is to study functions and develop skills necessary for the study of calculus. This course includes algebra, analytical geometry, and trigonometry. **Prerequisites:** Algebra 2 or Honors Algebra 2

Credits: 0.5 credits per semester

High School Mathematics (continued)

AP Calculus AB

(Semester 1: MAT435A or Semester 2: MAT435B)

Available for Full-time online students & students who replace a grade and PAY for the class This course consists of a full high school year of work that is comparable to college and university calculus courses. Taking this course will help prepare students for the Calculus AB Advanced Placement® Exam. Prerequisites: Pre-calculus or Honors Pre-Calculus

Credits: 0.5 credits per semester

AP Calculus BC

(Semester 1: MAT445A or Semester 2: MAT445B)

Available for Full-time online students & students who replace a grade and PAY for the class This course consists of a full high school year of work that is comparable to college and university calculus courses. Taking this course will help prepare students for the Calculus BC Advanced Placement Exam. Prerequisites: Calculus AB or Honors Pre-Calculus or Brief Calculus

Credits: 0.5 credits per semester

AP Statistics

(Semester 1: MAT425A or Semester 2: MAT425B)

Available for Full-time online students & students who replace a grade and PAY for the class This course is designed to provide college-level instruction on the concepts and tools for working with data. Students collect and analyze data and draw conclusions based on real-world information. The course challenges students to explore patterns, think critically, use a variety of tools and methods, and report their findings and conclusions. Prerequisites: Algebra 2 or Pre-calculus or Honors Pre-Calculus

Prerequisites: Algebra 2 or Pre-calculus or Honors Pre-Calcu

Science

Junior High Science

7th Grade Science

(Semester 1: <u>SCI700A</u> or Semester 2: <u>SCI700B</u>) *Honors students take 8th grade Science

In this course, students explore the foundations of science, energy, Earth and its features; Earth's internal and external structures and how they change; Earth's history, living things, and how they change and interact; and genetics, heredity, and the organization of living organisms. Prerequisites: Recommended for 7th Grade

Credits: Junior High 0.5 credits

8th Grade Science

(Semester 1: <u>SCI800A</u> or Semester 2: <u>SCI800B</u>) *Honors students take 9th grade Investigative Science

The course introduces new information and reviews some science basics to prepare students for high school science

coursework. Topics covered in this course include: the nature of science, Earth and space science, properties of matter, changes in matter, matter and energy, and energy flow. Prerequisites: Recommended for 8th Grade

Credits: Junior High 0.5 credits

High School Science

Investigative Science

(Semester 1: <u>SCI100A</u> or Semester 2: <u>SCI100B</u>)

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

Prerequisites: Grade 9 OR Admin Approval Credits: 0.5 credits per semester

Biology

(Semester 1: SCI200A or Semester 2: SCI200B) *Honors Available:

(Semester 1 Hon: SCI205A or Semester 2 Hon: SCI205B)

This course provides an in-depth look at the fundamental characteristics of living organisms. It is designed to promote scientific inquiry and discovery. Students will be introduced to the structure, function, diversity, and evolution of living organisms.

Prerequisites: Grade 10 OR Admin Approval; Investigative Science

Credits: 0.5 credits per semester

AP Biology

(Semester 1: SCI215A or Semester 2: SCI215B)

Available for Full-time online students & students who replace a grade and PAY for the class This challenging course is designed to provide a college-level experience. Over two semesters, students are engaged in a wide variety of activities, with substantial emphasis on interpreting and collecting data in virtual labs, writing analytical essays, and mastering Biology concepts.

Prerequisites: Grades 10, 11 or 12; Concurrent enrollment or completion of Chemistry Credits: 0.5 credits per semester

Chemistry

(Semester 1: SCI300A or Semester 2: SCI300B) *Honors Available:

(Semester 1 Hon: <u>SCI305A</u> or Semester 2 Hon: <u>SCI305B</u>)

This course is designed to serve as a foundation for the study of Chemistry and includes: scientific inquiry, interactive experiences, higher order thinking, collaborative projects, real world application, and a variety of assessments. Prerequisites: Grades 10, 11 or 12; Concurrent enrollment or completion of Geometry and Biology Credits: 0.5 credits per semester

Physics

(Semester 1 & 2) (Semester 1: SCI400A or Semester 2: SCI400B)

I this course, students discover the contributions of geniuses like Galileo, Newton, and Einstein by learning about the concepts, theories, and laws that govern the interaction of matter, energy, and forces. Prerequisites: Grades 10, 11 or 12; Geometry and Biology

Social Studies

Junior High Social Studies

7th Grade Social Studies

(Semester 1: SOC700A or Semester 2: SOC700B)

In this course, students will research the cultural and natural landscapes of the regions they visit. They will then design their own theme park offering a multicultural understanding of our world's diverse people and places.

Credits: Junior High 0.5 credits per semester

8th Grade Social Studies

(Semester 1: SOC800A or Semester 2: SOC800B)

In this course, students will discover that history is full of adventure, colorful characters, and complex plots. Each complex plot will be different, and will highlight an important story from our nation's past.

Credits: Junior High 0.5 credits per semester

High School Social Studies

World History/Geography

(Semester 1: SOC100A or Semester 2: SOC100B) *Honors Available:

(Semester 1 Hon: SOC105A or Semester 2 Hon: SOC105B)

The purpose of this course is to enable students to understand their connections to the development of civilizations by examining the past to prepare for their future as participating members of a global community. Prerequisites: Grades 9, 10, 11 or 12

Credits: 0.5 credits per semester

American/Arizona History

(Semester 1: SOC300A or Semester 2: SOC300B) AP Level Course Available (see description below)

In this course, students will investigate the people, events and ideas that have shaped the United States from the end of the Civil War through today. Students are asked to analyze and evaluate decisions made by political, business and military leaders. Emphasis is placed on connections between events of the past and present. This course also gives students the opportunity to conduct research and apply their learning to current, real-world problems. Prerequisites: Grades 11, 12

Credits: 0.5 credits per semester

AP American/Arizona History

(Semester 1: <u>SOC305A</u> or Semester 2: <u>SOC305B</u>)

*Available for Full-time online students & students who replace a grade and PAY for the class Within AP Am/AZ History, students will develop and use historical thinking skills (chronological reasoning, comparison and contextualization, crafting historical arguments from historical evidence, and historical interpretation and synthesis) to examine the history of the United States from 1491 to the present. Prerequisites: Grades 11, 12; Instructor recom

Credits: 0.5 credits per semeste

American Government (one semester course: SOC400A)

*AP Level Course Available (see description below)

Students will take on the role of a Washington, D.C. intern and spend time working throughout the nation's capital with all three branches of government. They will gain a greater understanding of the country's beginnings, and how government functions at different levels. erequisites: Grade 12

Credits: 0.5 credit semester course

AP American Government

(one semester course: SOC405)

vailable for Full-time online students & students who replace a grade and PAY for the class

Lights, Camera, Action" ... Prepare to study the intricacies of the American Political Culture. The script is written and the actors participate daily in the drama of American politics. You will be "on location" to delve into primary source documents. You will go behind the scenes with stars such as the President, Congress people, and Supreme Court Justices. You will research the roles of the media, political parties, interest groups, states, candidates, bureaucracy, and the public in the governmental process. Finally, you will witness the large- scale production of policy building in the areas of economic/social policy, foreign policy and public administration.

Prerequisites: 11th or 12th grade status and successful completion of English 9 are recommended.

Credits: 0.5 credit semester course

Economics

(one semester course: SOC420)

AP Level Course Available (see description below) The purpose of this course is to help students become more informed consumers, producers, investors, and taxpayer. Students are shown how their choices directly affect their future. Prerequisites: Grades 12; Instructor re

Credits: 0.5 credit semester course

AP Macroeconomics

(one semester course: <u>SOC425A</u>) *Available for Full-time online students & students who replace a grade and PAY for the class Understand the choices you make as a producer, consumer, investor, and taxpayer. This course provides you with the knowledge and decision-making tools necessary for understanding how a society must organize its limited resources to satisfy its unlimited wants. This course meets the Economics high school graduation requirement. Prerequisites: Grade 12

Credits: 0.5 semester course

NCAA Approved Courses

ENGLISH

English 9 Honors English 9 English 10 Honors English 10 English 11 AP English Language Composition English 12 AP English Literature Composition

ELECTIVES

AP Human Geography Creative Writing Criminology Law and Order Personal Psychology I Personal Psychology 2

MATHEMATICS

Algebra I Honors Algebra I Geometry Honors Geometry Algebra II Honors Algebra II Interest Theory Adv. Algebra Honors Pre-Calculus AP Calculus AB AP Calculus BC AP Statistics

SCIENCE

Investigative Science Biology Honors Biology AP Biology Chemistry Honors Chemistry Physics

SOCIAL SCIENCE

World History/Geography Honors World History/Geography American/AZ History AP American/AZ History American Government AP US Government Economics AP Macroeconomics

WORLD LANGUAGE

Spanish I Spanish II Honors Spanish III AP Spanish IV