



2021

**High School
Course Catalog**

ASU Preparatory
Academy
Arizona State University

ASU Preparatory Academy

Prep for College. Prep for Careers. Prep for Life.

ASU Preparatory Academy is an **innovative** K–12 charter school where teachers, students and families share the same goal – **college graduation**.

Mission: We personalize education, improving outcomes for all students.

Vision: To promote academic success, honor diversity, and to facilitate human potential.

Core Values: Access, Impact, Excellence

ASU Prep is committed to excellence, access and impact in everything we do. We measure ourselves by the outcomes our students achieve, the accomplishments of our graduates, our contributions to the public good and by the economic, social and cultural vitality of the communities that surround us.

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ASU Preparatory Academy Graduation Credit Requirements

		9th Gr.	10th Gr.	11th Gr.	12th Gr.	Total Req.
	Electives	 1	1	1	1	4
	Academic Electives	 0	0	1	2	3
	English	 1	1	1	1	4
	Math	 1	1	1	1	4
	Science	 1	1	1	0	3
	Social Studies	 0	1	1	1	3
	Fine Arts	 1	0	0	0	1
	Foreign Languages	 1	1	0	0	2
	Credits Required					24

Sample Schedule

	9th Gr.	10th Gr.	11th Gr.	12th Gr.
1	Math	Math	Math	Math
2	English	English	English	English
3	Science	Science	Science	Academic Elective
4	Foreign Language	Foreign Language	ACT/SAT Test Prep + Ind. Study Elective	Senior Seminar
5	Intro to Biotech	World History	American History	Government/Economics
6	University Prep 2/ Physical Education	Fine Art Elective	Academic Elective	Academic Elective

Sample Credits
Required



24

Grading Scale

	Letter Grade		4.0 Scale	5.0 Scale
★★★★ Exemplary	A	I consistently and independently demonstrate the ability to analyze and synthesize essential content, knowledge and skills in a new task.	4	5
★★★ Highly Proficient	B	I consistently and independently demonstrate the ability to apply and transfer essential content, knowledge and skills in a new task.	3	4
★★ Proficient	C	I demonstrate the ability to comprehend and apply essential content, knowledge and skills in a familiar task.	2	3
★ Partially Proficient	D	I am still trying to demonstrate the application and transfer of essential content, knowledge and skills.	1	1
Minimally Proficient	F	I am not yet competent in this performance standard.	0	0

Electives

ACT/SAT Test Prep, 0.5 Credit

Elective.

Advanced STEM, 1 Credit

EIT Pathway.

Cambridge AS Level Global Perspectives, 1 Credit

Elective. Required. Prerequisite: none.

Child Development, 1 Credit

Elective. Prerequisite: none.

CompuPower A & B, 0.5 Credit

Elective. Semester course. Prerequisite: none.

Computer Science, 1 Credit

Elective. Prerequisite: none.

Engineering II-Robotics, 1 Credit

Elective. Prerequisite: none. EIT Pathway.

Entrepreneurship I: Ideas and Strategies, 1 Credit

Entrepreneurship II: Entrepreneurial Research, 1 Credit

Elective. Prerequisite: Entrepreneurship I.

Humanities Academic Apprenticeship, 1 Credit

Elective.

Leadership 1 A & B, 0.5 Credit

Elective. Prerequisite: none.

Principles of Engineering I, 1 Credit

Elective. Prerequisite: none. EIT Pathway.

Psychology, 0.5 Credit

Elective. Social Science.

Robotics, 1 Credit

Elective. Prerequisite: none.

Senior Seminar, 1 Credit

Capstone. Required. All Senior Status Students.

STEM 101, Makers Workshop, 1 Credit

Elective. Prerequisite: none. EIT Pathway.

University Prep, 0.5 Credit

Elective.

Video Production, 1 Credit

Elective. Prerequisite: none.

Yearbook, 1 Credit

Elective. Prerequisite: application.

ACT/SAT Test Prep | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe

0.5 Credit

Elective.

Standardized Test Preparation courses help prepare students for national standardized tests such as the PSAT, SAT, and ACT. In particular, these courses assist students in developing and/or expanding their vocabulary, test-taking, and reasoning skills through study, lecture, and practice drills. Course topics may include vocabulary review; root words, prefixes, and suffixes; mathematical concepts, logic, and rules; and general problem-solving and test-taking strategies.

Advanced STEM

1 Credit

Students will further their understanding of the Engineering Design Process and use it to deepen their knowledge of making skill such as: circuits, soldering, 3D printing, power tools, etc.

Cambridge AS Level Global Perspectives | Phoenix

1 Credit

Elective. Required. Prerequisite: none.

The purpose of this course is for students to acquire disciplined and scholarly research skills and a critical, questioning approach to information that is often taken for granted. Students will engage in self-reflection and an independence of thought; develop an understanding of, and engagement with, some of the key global issues that they will face wherever they live and work; and build an awareness and understanding of, and respect for, the diversity of perspectives on global issues.

Child Development | Phoenix

1 Credit

Elective. Prerequisite: none.

In this course, students will gain an appreciation and understanding of the factors influencing child behavior and development. In addition, students will learn how to observe and apply scientific methods in the collection, analysis and interpretation of data. Students will explore the influence of genetics, prenatal and the early environment in shaping child development.

CompuPower A & B | South Phoenix

0.5 Credit

Elective. Semester course. Prerequisite: none.

Computer Programming courses provide students with the knowledge and skills necessary to construct computer programs in one or more languages. Computer coding and program structure are often introduced with the BASIC language, but other computer languages, such as Visual Basic (VB), Java, Pascal, C++, and COBOL, may be used instead. Initially, students learn to structure, create, document, and debug computer programs, and as they progress, more emphasis is placed on design, style, clarity, and efficiency. Students may apply the skills they learn to relevant applications such as modeling, data management, graphics, and text-processing.

Computer Science | Phoenix

1 Credit

Elective. Prerequisite: none.

In this course, students are introduced to fundamental concepts of computer science and computational thinking. This includes logical reasoning, problem solving, data representation, abstraction, the creation of digital artifacts such as web pages and programs, managing complexity, operation of computers and networks, effective web searching, ethical, legal and social aspects of information technology.

Engineering II-Robotics

1 Credit

Elective. Prerequisite: none. Materials fees may apply.

Students will work in teams to design, build, and code a working robot. Coding languages may include LabView and/or Java. Students will also learn basic machining and building techniques. Students will learn team building and communication skills as they work in conjunction with the after school robotics club. The final robot will be entered in the FIRST Robotics regional competition in April.

Entrepreneurship I: Ideas and Strategies | South Phoenix

1 Credit

You will get a front row seat and see how early-stage business investors make their investments. You first look through the lens of an investor. Then you will learn the fundamentals of identifying opportunity, creating value, and capturing value with the Three Pillars of Entrepreneurship. You will prepare their own rubric for investing, and develop startup investment recommendations. Next, you will look through the lens of the entrepreneur and will apply insights and understanding to develop a business concept of your own, and develop your ideas into an investor pitch deck.

Entrepreneurship II: Entrepreneurial Research | South Phoenix

1 Credit

Prerequisite: Entrepreneurship 1.

Research can be the difference between success and failure. This course teaches students approaches and methods for increasing their probability of success. Then students will apply value creation directly to venture design. They will take a deep dive into entrepreneurial strategy, and apply these learnings to further develop and fortify their venture.

Humanities Academic Apprenticeship | Casa Grande**1 Credit***Elective.*

Humanities Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within the field of humanities. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills.

Leadership 1 A & B | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe**0.5 Credit***Elective. Prerequisite: none.*

Leadership courses are designed to strengthen students personal and group leadership skills. Typically intended for students involved in extracurricular activities (especially as officers of organizations or student governing bodies), these courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics.

Principles of Engineering I**1 Credit***Elective. Prerequisite: none.*

Introduction to Engineering Design is a course that aims to provide students with an understanding of the engineering field as a whole. Students will explore how engineers from a variety of disciplines work with customers to solve problems in a systematic manner. During the course, students will interact with prospective clients in order to solve authentic problems and affect the community in a positive fashion. Students will be introduced to the engineering design process as well as the teaming and communication skills necessary for success in the engineering field.

Psychology | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe**0.5 Credit***Elective. Social Science.*

Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

Robotics | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe**1 Credit***Elective. Prerequisite: none.*

This course leverages the “coolness” of robotics, and the excitement of head to head competition to inspire and engage students. Students will learn about robotics in our world, and how ALL the different aspects of STEM are all used in the field of robotics. Students will learn key STEM principles, and robotics concepts. At the culmination of this class, students will compete head-to-head against their peers in the classroom.

Senior Seminar**1 Credit***Required. All Senior Status Students*

ASU Prep Senior Seminar assists students through support in study, leadership and academic skills. Students solidify a variety of college and career knowledge through skills involving resume, cover letter writing, interview skills, college applications, scholarship and the financial aid process.

STEM 101, Makers Workshop

1 Credit

Elective. Prerequisite: none. Materials fees may apply.

Students will learn the basics of the Engineering Design Process and basic making skills such as: computer coding, 3D printing, circuits, etc.

University Prep | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe

0.5 Credit

Elective.

Course to prepare students for success in high schools and/or for postsecondary education. Course topics may vary according to the students involved, but typically include reading improvement skills, such as scanning, note-taking and outlining, library and research skills, listening and note-taking, vocabulary skills, and test-taking skills. The courses may also include exercises designed to generate organized, logical thinking and writing.

Video Production | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe

1 Credit

Elective. Prerequisite: none.

An introduction class designed to provide students with artistic, creative and historical background in the fields of video, broadcasting, and film production. Additionally, this course provides instruction and training in pre-production, production and post production phases of project development. Projects include creating short documentaries and short films and assisting with broadcast journalism. Students who are interested in a career in entertainment production have opportunities to explore the many jobs involved in the making of such productions.

Yearbook | Phoenix & Polytechnic

1 Credit

Elective. Prerequisite: Application.

Students in this class will develop skills in graphic design, design software, digital photography, image manipulation software, journalistic writing techniques, principles of advertising including accounting and ad design, and leadership and cooperative work groups. This course is deadline driven and will require participation outside of regular class hours. Students are encouraged to attend sporting events, dances, as well as other student activities. Students are expected to be professional, punctual, organized, motivated, and possess strong artistic, reading and writing skills upon entering the class. This class provides foundational development in professional standards and yearbook journalism, as well as practice in adherence to due dates and accountability to peers.

English

AP English Literature and Composition (12th grade), 1 Credit

English. Honors.

Cambridge A Level Literature, 1 Credit

English. Honors. Prerequisite: AS Level English Literature.

Cambridge AS Level English General Paper, 1 Credit

English. Honors.

Cambridge AS Level English Literature, 1 Credit

English. Honors. Prerequisite: IGCSE English Literature.

Cambridge AS Level English Language, 1 Credit

English. Honors. Prerequisite: AS Level English Literature.

Cambridge IGCSE English First Language, 1 Credit

English. Required. Prerequisite: none.

Cambridge IGCSE English Literature, 1 Credit

English. Required. Prerequisite: IGCSE English First Lang.

English/Language Arts I (9th grade), 1 Credit

English/Language Arts I.

English/Language Arts II (10th grade), 1 Credit

English/Language Arts II.

English/Language Arts III (11th grade), 1 Credit

English/Language Arts III.

English/Language Arts IV (12th grade), 1 Credit

English/Language Arts IV.

Cambridge IGCSE English First Language | Casa Grande, Phoenix, Polytechnic, Tempe

1 Credit

English. Required. Honors. Prerequisite: none.

The purpose of this course is to enable students to communicate accurately, appropriately, and effectively in speech and writing. Students will also be able to understand and respond appropriately to what they hear, read, and experience. Students will engage in a variety of writing opportunities calling for the use of different styles and tones.

Cambridge IGCSE English Literature | Casa Grande, Phoenix, Polytechnic, Tempe

1 Credit

English. Required. Honors. Prerequisite: IGCSE English First Language.

The purpose of this course is to enable students to communicate accurately, appropriately, and effectively in speech and writing. Students will also be able to understand and respond imaginatively to what they hear, read, and experience in a variety of media. Students will study in detail texts from a variety of genres to include poetry, prose, and drama. The selections will explore areas of universal human concern, thus leading to a greater understanding of themselves and others.

Cambridge AS Level English General Paper | Casa Grande & Tempe

1 Credit

English. Honors.

The AS General Paper is multi-disciplinary, its subject matter drawn from across the curriculum. The syllabus encourages in candidates the ability to make cross-curricular links; to develop a maturity of thought appropriate to students at this level; and to achieve an understanding and usage of the English language which enables them to express arguments, ideas and opinions in a reflective and academic manner.

Cambridge AS Level English Literature | Phoenix & Polytechnic

1 Credit

English. Honors. Prerequisite: IGCSE English Literature.

The purpose of this course is to engage students in the careful reading and critical analysis of imaginative literature of various styles, genres, and periods, thus developing independent critical competency in the study of literature and fostering a high level of achievement in reading, writing, and speaking. Students will also acquire an understanding of the resources of the language and of the writer's craft.

Cambridge AS Level English Language | Casa Grande & Phoenix

1 Credit

English. Honors. Prerequisite: AS Level English Literature.

The purpose of this course is to provide students with an understanding of the semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective writing. Students will create critical and informed responses to texts in a range of forms, styles, and contexts while developing the interdependent skills of reading, analysis, and research. Students will demonstrate a knowledge and understanding of English language and its use in a variety of contexts. The course also provides a variety of writing opportunities calling for the use of different styles and tones. Students will write clearly, accurately, creatively, and effectively for different purposes/audiences, using different forms.

Cambridge A Level Literature | Phoenix & Polytechnic

1 Credit

English. Honors. Prerequisite: AS Level English Literature.

The purpose of this course is to encourage students to develop an appreciation of literature, and an informed personal response to literature in English in a range of texts in different forms, and from different periods and cultures. Students will develop the interdependent skills of reading, analysis and communication. Students will also develop effective and appropriate communication through wider reading and an understanding of how reading may contribute to personal development.

English/Language Arts I (9th grade) | South Phoenix

1 Credit

English/Language Arts I.

Courses build upon student's prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

English/Language Arts II (10th grade) | South Phoenix

1 Credit

English/Language Arts II.

Courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

English/Language Arts III (11th grade) | South Phoenix**1 Credit***English/Language Arts III.*

Courses continue to develop students writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

English/Language Arts IV (12th grade) | South Phoenix**1 Credit***English.*

English/Language Arts IV (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

AP English Literature and Composition (12th grade) | South Phoenix**1 Credit***English. Honors.*

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing).

Research & Writing

Research & Writing I | Polytechnic

1 Credit

Research and Writing. Required Elective. Prerequisite: Concurrent enrollment in IGCSE EFL.

This course focuses on developing the student's ability in writing to communicate clearly, accurately, and effectively. Students prepare persuasive, descriptive, and analytical essays in preparation for the Cambridge coursework. Students also develop beginning research skills. The overarching goal of this course is for students to learn ways to approach writing that they can apply in their education and lives.

Research & Writing II | Polytechnic

1 Credit

Research and Writing. Required Elective. Prerequisite: Concurrent enrollment in IGCSE Literature.

In this course, students will focus on developing the fundamental skills for college ready writing. In addition, students will explore creative writing, real world writing, and prepare for Cambridge coursework with a concentration of proper citation and grammatical technique. Lastly, there is an introduction to public speaking and speech writing. Students learn how to deliver and write speeches on various topics and genre.

Fine Art

Advanced Creative Writing, 1 Credit

Fine Art. Honors. Elective. Prerequisite: Creative Writing.

Art History, 1 Credit

Fine Art. Required. Prerequisite: none

Art Portfolio, 1 Credit

Fine Art. Elective. Prerequisite: none. Recommended: IGCSE Art & Design.

Cambridge AS Level Art & Design, 1 Credit

Fine Art. Elective. Prerequisite: IGCSE Art & Design. Recommended: Art Portfolio.

Cambridge A Level Art & Design, 1 Credit

Fine Art. Honors. Prerequisite: AS Level Art & Design.

Cambridge Drama, 1 Credit

Fine Art. Prerequisite: none.

Cambridge IGCSE Art & Design, 1 Credit

Fine Art. Honors. Elective. Prerequisite: none. Can be repeated for credit.

Cambridge IGCSE Band, 1 Credit

Fine Art. Honors. Prerequisite: none.

Cambridge IGCSE Music, 1 Credit

Fine Art. Honors. Elective. Prerequisite: none.

Ceramics, 1 Credit

Fine Art. Prerequisite: none.

Creative Writing, 1 Credit

Fine Art. Elective. Prerequisite: none.

Dance Technique, 1 Credit

Fine Art. Prerequisite: none.

Digital Photography, 1 Credit

Fine Art. Elective. Prerequisite: none.

Music Ensemble, 1 Credit

Fine Art. Elective. Prerequisite: none.

Theatre Production, 1 Credit

Fine Art. Elective. Prerequisite: none.

Advanced Creative Writing | Polytechnic

1 Credit

Fine Art. Honors. Elective. Prerequisite: Creative Writing.

Composition-Independent study, often conducted with instructors as mentors, allow students to explore particular topics within the field of language arts (emphasizing composition). Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills.

Art History | Casa Grande

1 Credit

Fine Art.

Art History courses introduce students to significant works of art, artists, and artistic movements that have shaped the art world and have influenced or reflected periods of history. These courses often emphasize the evolution of art forms, techniques, symbols, and themes.

Art Portfolio | Polytechnic

1 Credit

Fine Art. Elective. Prerequisite: none. Recommended: IGCSE Art and Design.

The purpose of this course is to enable students to communicate and express through visual perception and aesthetic experiences an artistic language in addition to those used by literary, mathematical, scientific, and factually-based subjects. This studio-based language will enable students to develop their abilities of observation and analysis of the visual world, sensitivity, skill, personal expression, and imagination. Students should also learn to relate these skills to an enhanced knowledge of their own and other cultures, past, and present, and an appreciation of practical design problems. Students will continue to develop skills gained in AS Level Art or Design, with new emphasis on manipulative, artistic, and analytical skills, as well as an appreciation of aesthetic qualities.

Cambridge AS Level Art & Design | Polytechnic**1 Credit***Fine Art. Honors. Elective. Prerequisite: IGCSE Art and Design. Recommended: Art Portfolio.*

The purpose of this course is to enable students to communicate and express through visual perception and aesthetic experiences an artistic language in addition to those used by literary, mathematical, scientific, and factually-based subjects. This studio-based language will enable students to develop their abilities of observation and analysis of the visual world, sensitivity, skill, personal expression, and imagination. Students will continue to develop skills gained in IGCSE Art & Design, with new emphasis on manipulative, artistic, and analytical skills, as well as an appreciation of aesthetic qualities. Students should also learn to relate these skills to an enhanced knowledge of their own and other cultures, past, and present, and an appreciation of practical design problems.

Cambridge A Level Art & Design | Phoenix**1 Credit***Fine Art. Honors. Prerequisite: AS Level Art & Design.*

The purpose of this course is to enable students to communicate and express through visual perception and aesthetic experiences an artistic language in addition to those used by literary, mathematical, scientific, and factually-based subjects. This studio-based language will enable students to develop their abilities of observation and analysis of the visual world, sensitivity, skill, personal expression, and imagination. Students should also learn to relate these skills to an enhanced knowledge of their own and other cultures, past, and present, and an appreciation of practical design problems. Students will continue to develop skills gained in AS Level Art or Design, with new emphasis on manipulative, artistic, and analytical skills, as well as an appreciation of aesthetic qualities.

Cambridge Drama | Phoenix**1 Credit***Fine Art. Prerequisite: none.*

The intent of this course is to develop students' understanding of drama through practical and theoretical study. The student will develop skills in drama, both individually and in groups, and will study ways of communicating ideas and feelings to an audience, stimulating the enjoyment of drama. Students should be able to understand performance possibilities of text and other stimuli while demonstrating an ability to devise dramatic material. Students will also be assessed on performance skills in drama.

Cambridge IGCSE Art & Design | Polytechnic**1 Credit***Fine Art. Honors. Elective. Prerequisite: none. Can be repeated for credit.*

This course encourages personal expression, imagination, sensitivity, conceptual thinking, powers of observation, and an analytical ability. It also enables students to develop creativity, visual awareness, and critical and cultural understanding; an imaginative, creative, and personal response; and confidence, enthusiasm, and a sense of achievement. It is especially concerned with the development of visual perception and aesthetics and is a form of communication and a means of expressing ideas and feelings. You will produce a range of artworks and designs showing visual knowledge and understanding along with critical and cultural awareness. Students will explore and experiment with appropriate materials, selecting, and controlling appropriate media and processes, demonstrating practical, technical, and expressive skills and intentions. By the end of the course, students will be able to show personal vision and commitment through an interpretive and creative response and present an informed response through personal evaluation, reflection, and critical thinking. Students will analyze design briefs and tackle practical design tasks.

Cambridge IGCSE Band | Phoenix**1 Credit***Fine Art. Honors. Prerequisite: none.*

Come learn an instrument (flute, trumpet, clarinet, saxophone, trombone, or percussion) in concert band at ASU Prep; no previous experience needed. The class will be divided into sections where new players can learn the basics of their instruments and more advanced players can hone their skills. We will play music of various styles at several concerts throughout the year as well as traveling to other events. We will also be learning elements of music theory (how music is written) and music history. Each student will be responsible for renting an instrument (instrument placements will be determined during the first week of school). Be ready to learn an instrument, work as a team, and build great memories!

Cambridge IGCSE Music | Polytechnic**1 Credit***Fine Art. Honors. Elective. Prerequisite: none.*

IGCSE Music encompasses a vast array of musical avenues, from Western music history, to World Music, advanced music theory, and performing and composing music. Students will be asked to work rigorously as they build their skills in listening, creating, and interpreting music with a variety of instruments. Students who already play an instrument are welcome to bring their instrument for utilization in class projects.

Ceramics | Phoenix**1 Credit***Fine Art. Prerequisite: none.*

This class is designed for students who would be more successful in a three dimensional art class instead of one in a two dimensional art class. The class will have over 5 ceramic assignments, there will be tool tests, test about clay and ceramics. The class will go over art history specifically to Ceramics and the history behind all of the types of creating the pottery.

Creative Writing | Polytechnic**1 Credit***Fine Art. Elective. Prerequisite: none.*

This is an introductory course in creative writing. Short spontaneous exercises and longer assignments combine to motivate, and refine, students' writing, both about the chronicler's main subjects (place, people, and things) and about the fiction writer's concerns (character, plot or narrative economy, and closure). Whether fiction or nonfiction, students' writing is discussed via criteria pertinent to literary work. Learning to analyze a piece of writing critically is a key component of the course. Guidelines/criteria will be provided. Students are encouraged to apply them as well as to improvise, as long as opinions are always grounded in evidence from the relevant text.

Dance Technique | Phoenix**1 Credit***Fine Art. Prerequisite: none.*

For this course student will learn the different components to creating, performing, and teaching a dance class. They will get the opportunity to perform different routines including dance fusion, hip-hop, cardio kickbox, salsa, cumbia, bachata, merengue, chacha, samba, and other international dance formats. The routines feature aerobic/fitness interval training with a combination of fast and slow rhythms that tone and sculpt the body. During this course students will have the opportunity to create dance choreography and teach dance fitness classes to peers using different dance formats.

Digital Photography | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe

1 Credit

Elective. Prerequisite: none.

This is a beginning to intermediate level course dealing primarily with camera controls as they relate to digital photography, and how to make the best out of every digital image. The basics of shooting successful pictures with a digital camera will reference tips from traditional photography and highlight how traditional photography applies to the digital shoot. Students will then learn how to improve, repair, and manipulate digital images within professional software to achieve the best possible digital image. Students will learn composition through the practice, completion of various types of pictures, and will learn how to prepare them for print, computer slideshows, and the web.

Music Ensemble | Polytechnic

1 Credit

Fine Art. Elective. Prerequisite: none.

In Music Ensemble, students will compose and perform many styles of music, including percussion-based music, blues, various song forms, and much more. Students will learn to create and arrange music in many contexts. Students who already play an instrument are welcome to bring their instrument for utilization in class projects.

Theatre Production | Polytechnic

1 Credit

Fine Art. Elective. Prerequisite: none.

Theatrical production class takes place in two parts: for the first half of the school year, students rotate through sections of Drama, Art, and Music, learning rudiments and experiencing how each element contributes to the whole of a production. The second half of Theatrical Production will involve the production of a theatre piece that will be performed at the end of the school year.

Foreign Language

Cambridge IGCSE Spanish Language I, 1 Credit

Foreign Language. Honors Prerequisite: See counselor.

Cambridge IGCSE Spanish Language II, 1 Credit

Foreign Language. Honors Prerequisite: See Counselor.

Cambridge Spanish AS Level Language, 1 Credit

Foreign Language. Honors Prerequisite: IGCSE Spanish.

Cambridge IGCSE Spanish A Level Language, 1 Credit

Foreign Language. Honors Prerequisite: Intermediate Spanish.

French I, 1 Credit

Foreign Language. Prerequisite: none.

French II, 1 Credit

Foreign Language. Prerequisite: none.

Mandarin Chinese I, 1 Credit

Foreign Language. Prerequisite: none.

Mandarin Chinese II, 1 Credit

Foreign Language. Prerequisite: none.

Mandarin Chinese III, 1 Credit

Foreign Language. Prerequisite: none.

Mandarin Chinese IV, 1 Credit

World Languages. Prerequisite: none.

Spanish I, 1 Credit

Foreign Language. Prerequisite: none.

Spanish II, 1 Credit

Foreign Language. Prerequisite: Spanish I.

Spanish III, 1 Credit

Foreign Language. Prerequisite: Spanish II.

Cambridge IGCSE Spanish Language I | Phoenix

1 Credit

Foreign Language. Honors. Prerequisite: See Counselor.

The IGCSE Spanish course is designed to help students further their understanding of the Spanish language and provide insight into the cultural and social aspects of Spanish speaking countries. Through this course, you will develop the ability to use the language for means of practical conversation. This course will also provide insight into the culture and civilization of countries where Spanish is spoken.

Cambridge IGCSE Spanish Language II | Phoenix

1 Credit

Foreign Language. Honors. Prerequisite: See Counselor.

IGCSE Spanish Language II covers the second portion of the International General Certificate of Secondary Education (IGCSE) syllabus written and administered by the University of Cambridge's International Examinations Program. The purpose of this course is to enable students to acquire a higher proficiency in Spanish through a linguistic, communicative and cultural approach to language learning. Emphasis is placed on the development of listening, speaking, reading and writing skills and on the acquisition of the fundamentals of applied grammar. The content and focus should include, but not be limited to, the following: develop the ability to use the language effectively for purposes of practical communication within the country of residence, where appropriate, and in all the countries where the language is spoken; form a sound base of the skills, language and attitudes required for further study, work and leisure; offer insights into the culture and civilization of the countries where the language is spoken; encourage fuller integration into the community, where relevant; encourage positive attitudes toward foreign language learning and towards speakers of foreign languages and a sympathetic approach to other cultures and civilizations; provide enjoyment and intellectual stimulation; complement other areas of study by encouraging skills of a more general application (e.g. analysis, memorizing, drawing of inferences); communicate accurately, appropriately and effectively in speech and writing in past, present, and future at a novice-high to intermediate-low level; and understand and respond imaginatively at a novice-high to intermediate-low level to what they hear, read and experience in a variety of media.

Cambridge Spanish AS Level Language | Phoenix**1 Credit***Foreign Language. Honors. Prerequisite: IGCSE Spanish.*

The AS Spanish course is designed to help students better understand the Spanish language, with an informed interest in cultural and social perspectives of Spanish speaking countries. Through this course, you will be introduced to concepts that lead to: understanding Spanish from a variety of registers, communicating confidently and clearly in Spanish, and form a sound base of skills, language and attitudes required for the study, work and leisure. This course will also add to your development of insights into the culture and civilization of the countries where the language is including the study of literary texts where appropriate, positive attitudes to a language learning and a sympathetic approach to other cultures and civilizations, and support intellectual and personal development by promoting learning and social skills.

Cambridge Spanish A Level Language | Polytechnic**1 Credit***Foreign Language. Honors. Prerequisite: Cambridge Spanish AS Level Language.*

The purpose of this course is to develop student's ability to understand and communicate confidently and clearly in spoken and written Spanish. Students will be encouraged to read widely, to use relevant vocabulary, and employ correct grammar, spelling, and punctuation in Spanish. The students will develop the ability to analyze, synthesize, and make inferences about literary texts in Spanish. Students will be asked to respond to readings by organizing arguments and ideas logically in Spanish.

French I | Casa Grande, Polytechnic, South Phoenix, Tempe**1 Credit***Foreign Language. Prerequisite: none.*

The primary objective of French I is to provide basic conversational skills. The aim is to develop an ability to use the language effectively for purposes of practical communication. The course is based on the linked language skills of listening, reading, speaking and writing, and these are built on as learner's progress through their studies. This course also aims to offer insights into the countries where French is spoken and their culture, thus encouraging positive attitudes towards language learning and towards speakers of foreign languages.

French II | Casa Grande, Polytechnic, South Phoenix, Tempe**1 Credit***Foreign Language. Prerequisite: none.*

French 2 offers a continuation of the vocabulary, grammar, and culture study introduced in French 1. Students will target the improvement of all four language skills – speaking, writing, reading and listening comprehension – while acquiring new vocabulary related to varying themes in their textbook (a combination of D'accord: Levels 1-2). Students will also access different sources including short stories, songs, and video clips from which to learn, as well as prepare several projects related to their language acquisition.

Mandarin Chinese I | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe**1 Credit***Foreign Language. Prerequisite: none.*

This course aims to teach students elementary Chinese. Students will learn basic listening, speaking, reading and writing skills. Students will also gain an understanding of the culture as well as discover the importance of learning a non-Romance language. A combination of textbook materials, supplemental materials, and other activities will be incorporated in the class. Other opportunities such as studying Chinese at the university level, study abroad options, field trips, and guest speakers may be available.

Mandarin Chinese II | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe**1 Credit***Foreign Language. Prerequisite: Mandarin Chinese I.*

This course aims to teach students elementary Chinese. It is an extension of Chinese I. Students will learn basic listening, speaking, reading and writing skills. Students will also gain an understanding of the culture as well as discover the importance of learning a non-Romance language. A combination of textbook materials, supplemental materials, and other activities will be incorporated in the class. Other opportunities such as studying Chinese at the university level, study abroad options, field trips, and guest speakers may be available.

Mandarin Chinese III | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe**1 Credit***Foreign Language. Prerequisite: Mandarin Chinese II.*

This course aims to teach students elementary/intermediate Chinese. Students will learn basic listening, speaking, reading and writing skills. Students will also gain an understanding of the culture as well as discover the importance of learning a non-Romance language. A combination of the Cambridge curriculum, textbook materials and other activities will be incorporated in the class. Other opportunities such as learning Chinese at the university level, study abroad options and guest lecturers may be available.

Mandarin Chinese IV | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe**1 Credit***Foreign Language. Prerequisite: Mandarin Chinese III.*

This course aims to teach students intermediate Chinese. Students will learn basic listening, speaking, reading and writing skills. Students will also gain an understanding of the culture as well as discover the importance of learning a non-Romance language. A combination of the Cambridge curriculum, textbook materials and other activities will be incorporated in the class. Other opportunities such as learning Chinese at the university level, study abroad options and guest lecturers may be available.

Spanish I | Casa Grande, Polytechnic, South Phoenix, Tempe**1 Credit***Foreign Language. Prerequisite: none.*

The primary objective of Intermediate Spanish is to provide basic conversational skills, emphasis on introducing vocabulary and basic grammar. The emphasis is on communication in everyday situations. Skills, such as listening, reading and writing, will be part of the course. Another important component of the course is to develop insight and understanding of Spanish-speaking countries and their cultures.

Spanish II | Casa Grande, Polytechnic, South Phoenix, Tempe, Phoenix**1 Credit***Foreign Language. Prerequisite: Spanish I.*

The objective of this course is to foster in students a better command of the grammatical structures and vocabulary to facilitate conversation. Skills such as listening, reading and writing are emphasized. Spanish-speaking countries and their cultures will be examined.

Spanish III | Casa Grande, Polytechnic, South Phoenix, Tempe**1 Credit***Foreign Language. Honors. Prerequisite: Spanish II.*

The objective of this course is to be able to describe and narrate in a proper Spanish language style, and defend ideas in a conversation with valid arguments and a wide vocabulary. Students will become familiar with different editing techniques. Students will be able to debate and discuss, and to compare and contrast different readings.



**Be a
Sun Devil
before you
get to
college.**



Health & Fitness Education

Health, Wellness & Fitness, 1 Credit

Required. Prerequisite: none.

Lifetime Fitness, 1 Credit

Elective. Prerequisite: none.

Health, Wellness & Fitness | Phoenix, Polytechnic, Tempe

1 Credit

Elective. Prerequisite: none.

In this course students will develop an understanding of the importance of healthy choices and the influence of our friends in maintaining health and wellness while developing a fitness routine that will support health & wellness.

Lifetime Fitness | Polytechnic

1 Credit

Elective. Prerequisite: none.

This course emphasizes acquiring knowledge and skills regarding lifetime physical fitness. Content may include related topics such as nutrition, stress management and consumer issues. Students may develop and implement a personal fitness plan.

Mathematics

Algebra I, 1 Credit

Mathematics.

Algebra II 1 & 2, 1 Credit

Mathematics. Prerequisite: Geometry.

Algebra II with Trigonometry, 1 Credit

Mathematics. Required. Honors. Prerequisite: IGCSE Mathematics II.

Algebra III, 1 Credit

Mathematics. Prerequisite: Algebra II.

AP Calculus A/B 1 & 2, 1 Credit

Mathematics.

Calculus, 1 Credit

Mathematics. Prerequisite: Algebra II.

Cambridge AS Level Math (Pre-Calculus), 1 Credit

Mathematics. Honors. Not Required. Prerequisite: Additional Math.

Cambridge A Level Math (Calculus), 1 Credit

Mathematics. Honors. Prerequisite: AS Level Math.

Cambridge AS Pure Math 1 + Mechanics 1 (Pre-Calculus)/ Mechanics), 1 Credit

Mathematics. Honors. Prerequisite: IGCSE Additional Math.

Cambridge AS Pure Math 2/3 + Mechanics 2 (Calculus/Mechanics), 1 Credit

Mathematics. Honors. Prerequisite: AS Pure Math 1 + Mechanics 1

qualifying exam score and Teacher Recommendation.

Cambridge IGCSE Additional Math (Algebra II), 1 Credit

Mathematics. General or Honors. Not Required. Prerequisite: IGCSE Mathematics II.

Cambridge IGCSE Mathematics I (Algebra I), 1 Credit

Mathematics. Required. Prerequisite: none.

Cambridge IGCSE Mathematics II (Geometry), 1 Credit

Mathematics. Required. Prerequisite: IGCSE Mathematics I and/or Placement Exam.

College Algebra, 1 Credit

Mathematics. Not Required. Prerequisite: IGCSE Additional Mathematics and/or Teacher Placement.

Discrete Math, 1 Credit

Mathematics.

Geometry, 1 Credit

Mathematics.

Pre-Calculus 1 & 2, 1 Credit

Mathematics. Prerequisite: Algebra 1 and Geometry.

Transition Algebra, 1 Credit

Mathematics.

Algebra I | South Phoenix

0.5 Credit

Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

Algebra II 1 & 2 | South Phoenix

1 Credit

Mathematics. Prerequisite: Geometry.

Algebra II course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.

Algebra II with Trigonometry | Phoenix

1 Credit

Mathematics. Required. Honors. Prerequisite: IGCSE Mathematics II.

The purpose of this course is to enable students to: consolidate and extend their elementary mathematical skills and use these in the context of more advanced techniques; further develop their knowledge of mathematical concepts and principles and use this knowledge for problem solving; appreciate the interconnected-ness of mathematical knowledge; devise mathematical arguments and present them precisely and logically;

integrate information technology to enhance the mathematical experience; develop the confidence to apply their mathematical skills and knowledge in appropriate situations; develop creativity and perseverance in the approach to problem solving; derive enjoyment and satisfaction from engaging in mathematical pursuits, and gain an appreciation of the beauty, power and usefulness of mathematics. By the end of this course, students will have a suitable foundation in mathematics for advanced mathematics courses and in related subjects.

Algebra III

1 Credit

Mathematics. Prerequisite: Algebra II.

Algebra III courses review and extend algebraic concepts for students who have already taken Algebra II. Course topics include (but are not limited to) operations with rational and irrational expressions, factoring of rational expressions, linear equations and inequalities, quadratic equations, solving systems of linear and quadratic equations, properties of higher degree equations, and operations with rational and irrational exponents. The courses may introduce topics in discrete math, elementary probability and statistics; matrices and determinants; and sequences and series.

AP Calculus A/B 1 & 2 | South Phoenix

1 Credit

Mathematics.

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-change problems); and integral calculus (including antiderivatives and the definite integral).

Calculus

1 Credit

Mathematics. Prerequisite: Algebra II.

Calculus courses include the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis).

Cambridge AS Level Math (Pre-Calculus) | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe

1 Credit

Mathematics. Honors. Prerequisite: IGCSE Additional Math.

The purpose of this course is to enable students to develop an understanding of mathematical principles and an appreciation of mathematics as a logical and coherent subject; acquire a range of mathematical skills, particularly those which will enable them to use applications of mathematics in the context of everyday situations and of other subjects they may be studying; develop the ability to analyze problems logically, recognize when and how a situation may be represented mathematically, identify and interpret relevant factors, and, where necessary, select an appropriate mathematical method to solve the problem; use mathematics as a means of communication with emphasis on the use of clear expression; and acquire the mathematical background necessary for further study in this or related subjects.

Cambridge A Level Math (Calculus) | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe

1 Credit

Mathematics. Honors. Prerequisite: AS Level Math.

The purpose of this course is to enable students to develop an understanding of mathematical principles and an appreciation of mathematics as a logical and coherent subject; acquire a range of mathematical skills, particularly those which will enable them to use applications of mathematics

in the context of everyday situations and of other subjects they may be studying; develop the ability to analyze problems logically, recognize when and how a situation may be represented mathematically, identify and interpret relevant factors, and, where necessary, select an appropriate mathematical method to solve the problem; use mathematics as a means of communication with emphasis on the use of clear expression; and acquire the mathematical background necessary for further study in this or related subjects.

Cambridge AS Pure Math 1 + Mechanics 1 (Pre-Calculus/Mechanics) | Polytechnic

1 Credit

Mathematics. Honors. Prerequisite: IGCSE Additional Math.

The Cambridge International Examinations advanced subsidiary (AS) syllabus requires students to deepen their mastery of their skills in the language of functions, algebra, trigonometry, and precalculus. Students will also be exposed to topics in vectors, series and sequences, as well as introductory topics in differential and integral calculus. Students will be expected to apply their understanding in these areas to mechanical phenomena such as forces, mechanical energy, Newton's Laws of Motion, and the language of motion. Mathematics courses at the Cambridge AS-Level are rigorous and focus heavily on mathematical reasoning, problem solving, and clear communication of processes and methods.

Cambridge AS Pure Math 2/3 + Mechanics 2 (Calculus/Mechanics) | Polytechnic

1 Credit

Mathematics. Honors. Prerequisite: AS Pure Math 1 + Mechanics 1 qualifying exam score and Teacher Recommendation.

The Cambridge International Examinations advanced (A-Level) syllabus requires students to deepen their mastery of their skills in the language of algebra, trigonometry, calculus, and vector geometry. Students will also be exposed to topics in numerical methods of solving equations, geometry and algebra in the complex plane, logarithms, as well as an introduction to differential equations. Students will be expected to apply their understanding in these areas to mechanical phenomena such as static equilibrium, uniform circular motion, motion associated with elastic objects, and motion under variable forces. Mathematics courses at the Cambridge A-Level are rigorous and focus heavily on mathematical reasoning, problem solving, and clear communication of processes and methods.

Cambridge IGCSE Additional Math (Algebra II) | Casa Grande, Phoenix, Polytechnic, Tempe

1 Credit

Mathematics. General or Honors. Not Required. Prerequisite: IGCSE Mathematics II.

The purpose of this course is to enable students to: consolidate and extend their foundational mathematical skills and use these in the context of more advanced techniques; further develop their knowledge of mathematical concepts and principles and use this knowledge for problem solving; appreciate the interconnected-ness of mathematical knowledge; devise mathematical arguments and present them precisely and logically; integrate information technology to enhance the mathematical experience; develop the confidence to apply their mathematical skills and knowledge in appropriate situations; develop creativity and perseverance in the approach to problem solving; derive enjoyment and satisfaction from engaging in mathematical pursuits, and gain an appreciation of the beauty, power and usefulness of mathematics. By the end of this course, students will have a suitable foundation in mathematics for advanced mathematics courses and in related subjects.

Cambridge IGCSE Mathematics I (Algebra I) | Casa Grande, Phoenix, Tempe

1 Credit

Mathematics. Required. Honors. Prerequisite: none.

The purpose of this first course in IGCSE Mathematics is to enable students to develop their mathematical knowledge, as well as oral, written, and practical skills; read mathematics and write and talk about the subject in a variety of ways; carry out calculations and understand the significance of the results obtained; apply mathematics in everyday situations and develop an understanding of the part that mathematics plays in the world around them; check and interpret the results; develop an understanding of mathematical principles; identify and interpret relevant factors; select an appropriate mathematical method to solve the problem; develop the ability to reason logically, to classify, to generalize, and to prove; appreciate patterns and relationships in mathematics; appreciate the interdependence of different branches of mathematics; acquire a foundation appropriate to their further study of mathematics and of other disciplines.

Cambridge IGCSE Mathematics II (Geometry) | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe **1 Credit**

Mathematics. Required. Honors. Prerequisite: IGCSE Mathematics I.

The purpose of this second course in IGCSE Mathematics is to enable students to develop their mathematical knowledge, as well as oral, written, and practical skills; read mathematics and write and talk about the subject in a variety of ways; carry out calculations and understand the significance of the results obtained; recognize when and how a situation may be represented mathematically; identify and interpret relevant factors and, where necessary; use mathematics as a means of communication with emphasis on the use of clear expression; develop an ability to apply mathematics in other subjects, particularly science and technology; develop the ability to reason logically, to classify, to generalize, and to prove; appreciate patterns and relationships in mathematics. This course builds on the skills developed in IGCSE Mathematics I, with increased emphasis on advanced application of the course content topics.

College Algebra | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe **1 Credit**

Mathematics. Not Required. Prerequisite: IGCSE Additional Math and/or teacher placement. Fees will apply.

In this face to face college level algebra course, students will learn to apply algebraic reasoning to solve problems effectively. They will develop skills in linear and quadratic functions, general polynomial functions, rational functions, and exponential and logarithmic functions. Students will also study systems of linear equations. This course will emphasize problem-solving techniques, specifically by means of discussing concepts in each of these topics. During the final semester, students will have the opportunity to participate in an eight week online course via ASU Global Freshman Academy. Students who successfully complete the course with a C or better may be eligible for 3 hours of university academic credit* in addition to the high school credit.

Discrete Math **1 Credit**

Mathematics.

Discrete Mathematics courses include the study of topics such as number theory, discrete probability, set theory, symbolic logic, Boolean algebra, combinatorics, recursion, basic algebraic structures and graph theory.

Geometry | South Phoenix **0.5 Credit**

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

Pre-Calculus 1 & 2 | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe **1 Credit**

Mathematics. Prerequisite: Algebra 1 and Geometry.

Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

Transition Algebra **1 Credit**

Mathematics.

Transition Algebra courses review and extend algebra and geometry concepts for students who have already taken Algebra I and Geometry. Transition Algebra courses include a review of such topics as properties and operations of real numbers; evaluation of rational algebraic expressions; solutions and graphs of first degree equations and inequalities; translation of word problems into equations; operations with and factoring of polynomials; simple quadratics; properties of plane and solid figures; rules of congruence and similarity; coordinate geometry including lines, segments, and circles in the coordinate plane; and angle measurement in triangles including trigonometric ratios.

Science

AP Biology 1 & 2, 1 Credit

Lab Science. Prerequisite: Biology.

AP Environmental Science, 1 Credit

Lab Science. Honors.

Biology, 1 Credit

Lab Science.

Biotechnology, 1 Credit

Lab Science. Prerequisite: none.

Cambridge AS Level Biology, 1 Credit

Lab Science. Honors. Prerequisite: IGCSE Science Course.

Cambridge A Level Biology, 1 Credit

Lab Science. Honors. Prerequisite: AS Level Biology and Teacher Recommendation.

Cambridge AS Level Chemistry, 1 Credit

Lab Science. Prerequisite: IGCSE Science Course.

Cambridge AS Level Physics, 1 Credit

Lab Science. Honors. Prerequisite: IGCSE Science Course.

Cambridge A Level Physics, 1 Credit

Lab Science. Honors. Prerequisite: AS Level Physics and IGCSE Additional-Teacher Recommendation.

Cambridge IGCSE Biology, 1 Credit

Lab Science. Honors. Prerequisite: none.

Cambridge IGCSE Chemistry, 1 Credit

Lab Science. Honors. Prerequisite: none.

Cambridge IGCSE Physics, 1 Credit

Lab Science. Honors. Prerequisite: none.

Chemistry 1 & 2, 1 Credit

Lab Science.

Environmental Science A & B, 1 Credit

Lab Science.

Honors Human Anatomy Physiology, 1 Credit

Lab Science. Honors. Prerequisite: IGCSE Biology

Physics 1 & 2, Credit

Lab Science.

AP Biology 1 & 2 | South Phoenix

1 Credit

Lab Science. Prerequisite: Biology.

Adhering to the curricula recommended by the College Board and designed to parallel college level introductory biology courses, AP Biology courses stress basic facts and their synthesis into major biological concepts and themes. These courses cover three general areas: molecules and cells (including biological chemistry and energy transformation); genetics and evolution; and organisms and populations (i.e., taxonomy, plants, animals, and ecology). AP Biology courses include college-level laboratory experiments.

AP Environmental Science | Casa Grande & South Phoenix

1 Credit

Lab Science. Honors.

AP Environmental Science courses are designed by the College Board to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, identify and analyze environmental problems (both natural and human made), evaluate the relative risks associated with the problems, and examine alternative solutions for resolving and/or preventing them. Topics covered include science as a process, ecological processes and energy conversions, earth as an interconnected system, the impact of humans on natural systems, cultural and societal contexts of environmental problems, and the development of practices that will ensure sustainable systems.

Biology | South Phoenix**1 Credit***Lab Science.*

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

Biotechnology | Phoenix & Polytechnic**1 Credit***Lab Science. Prerequisite: none.*

Students will be offered the opportunity to perform experiments based on microbiology, human genetics, immunology, and exploration of bioethical issues. The course will allow students to gain knowledge on how to perform different science experiments in different fields, learning the history behind the techniques and the potential bioethics that come with new technology.

Cambridge AS Level Biology | Phoenix & Polytechnic**1 Credit***Lab Science. Honors. Prerequisite: IGCSE Science Course.*

The purpose of this course is to provide exploratory experiences, laboratory experience, and real-life applications in the biological sciences in an accelerated fashion. Students will become confident citizens in a technological world with an informed interest in scientific matters; recognize the usefulness (and limitations) of the scientific method and its application in other subjects and in everyday life; and be suitably prepared for studies in biological sciences in continuing A Level courses.

Cambridge A Level Biology | Polytechnic**1 Credit***Lab Science. Honors. Prerequisite: AS Level Biology and Teacher Recommendation.*

The purpose of this course is to provide exploratory experiences, laboratory, and real-life applications in the biological sciences. Students will demonstrate knowledge and understanding of biological phenomena, facts, laws, definitions, concepts, and theories; biological vocabulary, terminology, and conventions (including symbols, quantities, and units); scientific instruments and apparatus, including techniques of operation and aspects of safety; scientific quantities and their determination; and scientific and technological applications with their social, economic, and environmental implications. Students will apply this knowledge and skills to use techniques, apparatus, and materials (including the following of a sequence of instructions, where appropriate); make and record observations and measurements; interpret and evaluate experimental observations and data; plan biological investigations, evaluate methods, and suggest possible improvements (including the selection of biological techniques, apparatus, and materials).

Cambridge AS Level Chemistry | Phoenix & Polytechnic**1 Credit***Lab Science. Honors. Prerequisite: IGCSE Science Course.*

The purpose of this course is to provide exploratory experiences, laboratory experience, and real-life applications in the chemical sciences in an accelerated fashion. Students will become confident citizens in a technological world with an informed interest in scientific matters; recognize the usefulness (and limitations) of the scientific method and its application in other subjects and in everyday life; and be suitably prepared for studies in chemical sciences in continuing A Level courses.

Cambridge AS Level Physics | Phoenix & Polytechnic**1 Credit***Lab Science. Honors. Prerequisite: IGCSE Science Course.*

The purpose of this course is to provide exploratory experiences, laboratory experience, and real-life applications in the physical sciences in an accelerated fashion. Students will become confident citizens in a technological world with an informed interest in scientific matters; recognize the usefulness (and limitations) of the scientific method and its application in other subjects and in everyday life; and be suitably prepared for studies in physical sciences in continuing A Level courses.

Cambridge A Level Physics | Polytechnic**1 Credit***Lab Science. Honors. Prerequisite: AS Level Physics and IGCSE Additional-Teacher Recommendation.*

The purpose of this course is to provide exploratory experiences, laboratory experience, and real-life applications in the physical sciences in an accelerated fashion. Students will become confident citizens in a technological world with an informed interest in scientific matters; recognize the usefulness (and limitations) of the scientific method and its application in other subjects and in everyday life; and be suitably prepared for studies in physical sciences in college courses.

Cambridge IGCSE Biology | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe**1 Credit***Lab Science. Honors. Prerequisite: none.*

The purpose of this course is to provide exploratory experiences, laboratory, and real-life applications in the biological sciences. Students will demonstrate knowledge and understanding of biological phenomena, facts, laws, definitions, concepts, and theories; biological vocabulary, terminology, and conventions (including symbols, quantities, and units); scientific instruments and apparatus, including techniques of operation and aspects of safety; scientific quantities and their determination; and scientific and technological applications with their social, economic, and environmental implications. Students will apply this knowledge and skills to use techniques, apparatus, and materials (including the following of a sequence of instructions, where appropriate); make and record observations and measurements; interpret and evaluate experimental observations and data; plan biological investigations, evaluate methods, and suggest possible improvements (including the selection of biological techniques, apparatus, and materials).

Cambridge IGCSE Chemistry | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe**1 Credit***Lab Science. Honors. Prerequisite: none.*

The purpose of this course is to provide exploratory experiences, laboratory, and real-life applications in the chemical sciences. Students will demonstrate knowledge and understanding of chemical phenomena, facts, laws, definitions, concepts, and theories; chemical vocabulary, terminology, and conventions (including symbols, quantities, and units); scientific instruments and apparatus, including techniques of operation and aspects of safety; scientific quantities and their determination; and scientific and technological applications with their social, economic, and environmental implications. Students will apply this knowledge and skills to use techniques, apparatus, and materials (including the following of a sequence of instructions, where appropriate); make and record observations and measurements; interpret and evaluate experimental observations and data; plan biological investigations, evaluate methods, and suggest possible improvements (including the selection of chemical techniques, apparatus and materials).

Cambridge IGCSE Physics | Casa Grande, Phoenix, Polytechnic, Tempe**1 Credit***Lab Science. Honors. Prerequisite: none.*

The purpose of this course is to provide exploratory experiences, laboratory, and real-life applications in the physical sciences. Students will demonstrate knowledge and understanding of physical phenomena, facts, laws, definitions, concepts, and theories; physical vocabulary, terminology, and conventions (including symbols, quantities, and units); scientific instruments and apparatus, including techniques of operation and aspects of safety; scientific quantities and their determination; and scientific and technological applications with their social, economic, and environmental implications. Students will apply this knowledge and skills to use techniques, apparatus, and materials (including the following of a sequence of instructions, where appropriate); make and record observations and measurements; interpret and evaluate experimental observations and data; plan physical investigations, evaluate methods, and suggest possible improvements (including the selection of physical techniques, apparatus, and materials).

Chemistry 1 & 2 | South Phoenix**1 Credit***Lab Science.*

Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

Environmental Science A & B | South Phoenix**1 Credit***Lab Science.*

Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

Honors Human Anatomy Physiology | Polytechnic**1 Credit***Science. Honors. Prerequisite: IGCSE Biology. Fees may apply.*

Human Anatomy and Physiology requires students to explore a new field of science through learning about the human body. Anatomy refers to the structures of the body, and physiology describes the processes through which these structures interact with each other. By learning the relationship between structure and function of the human body, students develop a strong understanding of how the body works as a whole and how it differs from other organisms. Students will learn about all the body systems, as well as more complex interactions between the systems. This class allows students to build on previous science knowledge and apply it to the human body.

**A credit fee is required to receive the university academic credit after passing the online course with a C or better. This is optional and does not impact high school credit. Financial need scholarships may be available for those that qualify.*

Physics 1 & 2 | South Phoenix**1 Credit***Lab Science.*

Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.

Social Studies

American History A & B, 0.5 Credit

Social Studies.

AP U.S. History, 0.5 Credit

Social Studies. Honors. Prerequisite: none.

Cambridge IGCSE American History, 1 Credit

Social Studies. Required. Prerequisite: none.

Cambridge IGCSE World History, 1 Credit

Social Studies. Required. Prerequisite: none.

Economics, 0.5 Credit

Social Studies. Prerequisite: none.

Government, 0.5 Credit

Social Studies. Prerequisite: none.

World History A & B, 0.5 Credit

Social Studies.

American History A & B | South Phoenix

0.5 Credit

Social Studies.

U.S. History Comprehensive courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement.

AP U.S. History | South Phoenix

0.5 Credit

Social Studies. Honors. Prerequisite: none

Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History courses provide students with the analytical skills and factual knowledge necessary to address critically problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past.

Cambridge IGCSE American History | Casa Grande, Phoenix, Polytechnic, Tempe

1 Credit

Social Studies. Honors. Prerequisite: none.

The purpose of this course is to stimulate an interest in and enthusiasm about the past for students. Students will develop an ability to recall, select, organize, and deploy knowledge of American History appropriately. Students will also demonstrate an understanding of the past through explanation, analysis, and substantiated judgments of change and continuity; cause and consequence; similarity and difference; and historical significance. Students will analyze the motives, emotions, intentions, and beliefs of people in the past so that they can deploy the ability to understand, analyze, evaluate, and use critically a range of sources as evidence in their historical context. Students will be asked to consider American History through the lens of a local history. Students will use critically a range of sources to generate an interpretation of the significance of a local site or object in its historical context and provide appropriate acknowledgment of sources.

Cambridge IGCSE World History | Casa Grande, Phoenix, Polytechnic**1 Credit***Social Studies. Honors. Prerequisite: none.*

The purpose of this course is to stimulate an interest in and enthusiasm about the past for students. Students will develop an ability to recall, select, organize, and appropriately deploy knowledge of World History from either the 19th or 20th Century. Students will also demonstrate an understanding of the past through explanation, analysis, and substantiated judgments of change and continuity; cause and consequence; similarity and difference; and historical significance. Students will analyze the motives, emotions, intentions, and beliefs of people in the past so that they can deploy the ability to understand, analyze, evaluate, and use critically a range of sources as evidence in their historical context.

Economics | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe**0.5 Credit***Social Studies. Prerequisite: none.*

The purpose of this course is for students to develop a basis of factual knowledge of economics; an appreciation of the methods of study used by the economist; and of the most effective ways economic data may be analyzed, correlated, discussed, and presented. Students will demonstrate knowledge and understanding of the advanced economics content; interpret economic information presented in verbal, numerical, or graphical form; and explain and analyze economic issues and arguments, using relevant economic concepts, theories, and information. Students will be expected to evaluate economic information, arguments, proposals, and policies, taking into consideration relevant information and theory, and distinguishing facts from hypothetical statements and value judgments. By the end of the course, student will be able to organize, present, and communicate economic ideas and informed judgments in a clear, logical, and appropriate form.

Government | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe**0.5 Credit***Social Studies. Prerequisite: none.*

In this course, students apply knowledge gained in previous years of study to pursue a deeper understanding of the institutions of government. In addition, they draw on their studies of world and American history and geography and other societies to compare differences and similarities in world governmental systems today. This course is the culmination of history/social sciences classes to prepare students to solve society's problems, to understand and to participate in the governmental process, and to be a responsible citizen of the United States and the world.

World History A & B | Casa Grande, Phoenix, Polytechnic, South Phoenix, Tempe**0.5 Credit***Social Studies.*

World History Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History overview courses may include geographical studies, but often these components are not as explicitly taught as geography. In addition to covering the objectives of World History Overview courses, World History and Geography courses provide an overview of world geography. These courses are often developed in response to increased national concern regarding the importance of geography, and they explore geographical concepts.

Miscellaneous Courses

Critical Thinking Skills

0.5 Credit*Elective.*

Study Skills courses prepare students for success in high school and/or for postsecondary education. Course topics may vary according to the students involved, but typically include reading improvement skills, such as scanning, note-taking, and outlining; library and research skills; listening and note-taking; vocabulary skills; and test-taking skills. The courses may also include exercises designed to generate organized, logical thinking and writing.

Strategic Reading

0.5 Credit*Elective. Can be repeated for credit.*

Strategic Reading courses are intended to improve a student's vocabulary, critical-thinking and analysis skills, or reading rate and comprehension level. Although these courses typically emphasize works of fiction, they may also include works of nonfiction (including textbooks). Strategic Reading courses often have a time-management focus, offering strategies for note-taking or for understanding and evaluating the important points of a text.

Distance Learning, ASU Prep Digital

Biology | Science

Chemistry | Science

Physics | Science

Art History | Fine Arts

Modern World History | Social Studies

Modern U.S. History | Social Studies

Government | Social Studies

Economics | Social Studies

U.S. History | Social Studies

Psychology | Social Studies

French 1 | World Studies

French 2 | World Studies

French 3 | World Studies

German 1 | World Studies

German 2 | World Studies

German 3 | World Studies

Spanish 1 | World Studies

Spanish 2 | World Studies

Spanish 3 | World Studies

Spanish 4 | World Studies

Mandarin 1 | World Studies

Mandarin 2 | World Studies

Mandarin 3 | World Studies

Latin 1 | World Studies

Latin 2 | World Studies

Arabic 1 | World Studies

Arabic 2 | World Studies

Arabic 3 | World Studies

Leadership 1 | Leadership

Leadership 2: Culture Building | Leadership

Leadership 3: Conflict Management | Leadership

Leadership 4: Senior Seminar | Leadership

Entrepreneurship 1: Ideas & Strategies | Entrepreneurship

Entrepreneurship 2: Entrepreneurial Research | Entre.

Entrepreneurship 3: Telling Your Story | Entrepreneurship

Entrepreneurship 4: Entrepreneurial Senior Seminar | Entre.

Robotics | Electives (Fee)

Creative Writing

Cinematography/Video Production (Fee)

Forensic Science

Music Appreciation

Personal & Family Finance

Applied Food Principles | Concurrent College Credit Courses

Art in My World | Concurrent College Credit Courses

Brief Calculus | Concurrent College Credit Courses

Buried Cities & Lost Tribes | Concurrent College Credit Courses

Career Development | Concurrent College Credit Courses

Clinical Health Care Ethics | Concurrent College Credit Courses

College Algebra | Concurrent College Credit Courses

Communication in Business and the Professions | Concurrent College Credit Courses

Courts and Sentencing | Concurrent College Credit Courses

Criminal Justice Crime Control Policies and Practices | Concurrent College Credit Courses

Culture and Health | Concurrent College Credit Courses

Economics: A Social Issues Perspective | Concurrent College Credit Courses

Elementary French I | Concurrent College Credit Courses

Elementary French II | Concurrent College Credit Courses

Elementary Romanian | Concurrent College Credit Courses

Elementary Spanish I | Concurrent College Credit Courses

Elementary Spanish II | Concurrent College Credit Courses

Elements of Intercultural Communication | Concurrent College Credit Courses

Elements of Interpersonal Communication | Concurrent College Credit Courses

Elements of Statistics | Concurrent College Credit Courses

Engineering Perspectives on Biological Systems | Concurrent College Credit Courses

Finite Math | Concurrent College Credit Courses

First-Year Composition | Concurrent College Credit Courses

Global History to 1500 | Concurrent College Credit Courses

Greek and Latin Roots in Bio scientific Terminology | Concurrent College Credit Courses

Human Anatomy and Physiology I | Concurrent College Credit Courses

Human Development | Concurrent College Credit Courses

Human Pathophysiology | Concurrent College Credit Courses

Intermediate French I | Concurrent College Credit Courses

Intermediate French II | Concurrent College Credit Courses

Intermediate Romanian | Concurrent College Credit Courses

Intermediate Spanish | Concurrent College Credit Courses

Introduction to Criminal Justice | Concurrent College Credit Courses

Introduction to Sociology | Concurrent College Credit Courses

Introduction to Social Work | Concurrent College Credit Courses

Introduction to Communication Inquiry | Concurrent College Credit Courses

Introduction to Corrections | Concurrent College Credit Courses

Introduction to Criminology | Concurrent College Credit Courses

Introduction to Digital Culture | Concurrent College Credit Courses

Introduction to Environmental Science | Concurrent College Credit Courses

Introduction to Human Communication | Concurrent College Credit Courses

Introduction to Nonprofit Organizations | Concurrent College Credit Courses

Introduction to Nursing and Health Care Systems | Concurrent College Credit Courses

Introduction to Nutrition, Health and Safety | Concurrent College Credit Courses

Introduction to Policing | Concurrent College Credit Courses

Introductory Chemistry | Concurrent College Credit Courses

Introductory Ethics: A Social Issues Perspectives | Concurrent College Credit Courses

Media and Culture | Concurrent College Credit Courses

Media Literacy for Musicians | Concurrent College Credit Courses

Modern Social Problems | Concurrent College Credit Courses

Non-majors Class Piano: Beginner | Concurrent College Credit Courses

Orientation to Education of Exceptional Children | Concurrent College Credit Courses

Pre-calculus | Concurrent College Credit Courses

Professional Growth in Criminal Justice | Concurrent College Credit Courses

Exploration of Public Service and Careers | Concurrent College Credit Courses

Racial and Ethnic Relations | Concurrent College Credit Courses

Religions of the World | Concurrent College Credit Courses

Technology Literacy: Problem Solving Using | Concurrent College Credit Courses

Digital Technology Applications | Concurrent College Credit Courses

The Developing Child: Theory into Practice, Prenatal-Grade 3 | Concurrent College Credit Courses

The Living World | Concurrent College Credit Courses

The Thread of Energy | Concurrent College Credit Courses

U.S. History 1865 to Present | Concurrent College Credit Courses

U.S. History to 1865 | Concurrent College Credit Courses

World History Since 1500 | Concurrent College Credit Courses

Special Topics, Sustainability Issues | Concurrent College Credit Courses

**Prep for
college.**

**Prep for
careers.**

**Prep for
life.**

