The mission of ASU Preparatory Academy is to provide a personalized, university-embedded academic program that empowers students to complete college, excel in a global society, and contribute to their communities.
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ACADEMIC PROGRAM

A core component of ASU Preparatory Academy's philosophy is that all students must have the opportunity and support to master a rigorous curriculum. Every student is enrolled in the internationally benchmarked Cambridge Curriculum,* which is used in over 160 countries. This rigorous course of study prepares students for academic success in university classes. Cambridge exams at the IGCSE and more rigorous A/AS levels are provided at no cost to students so that every student is given the opportunity for success.

*Cambridge Curriculum
Cambridge IGCSE (International General Certificate Secondary Education) is the world’s most popular international qualification system for 14 to 16 year olds. It is recognized by leading universities and employers worldwide, and is an international passport to progression and success. Developed over 25 years ago, it is tried, tested and trusted by schools worldwide. Cambridge AS (Advanced Studies) Level and A (Advanced) Level courses offer increasingly rigorous academic study, respectively, in preparation for college. Students have the opportunity to earn college credit based on their performance on A/AS Level exams, depending on Cambridge qualifying scores and the university they attend.

ASU PREP CREDIT REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
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<tr>
<td>Math</td>
<td>4</td>
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<tr>
<td>English</td>
<td>4</td>
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<tr>
<td>Science</td>
<td>3-4</td>
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<td>Social Studies</td>
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<tr>
<td>Health Wellness and Fitness</td>
<td>1</td>
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<tr>
<td>World Languages</td>
<td>3</td>
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<tr>
<td>Research &amp; Writing</td>
<td>2</td>
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<td>Capstone</td>
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<tr>
<td>Fine Arts/Electives</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>27</strong></td>
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</tbody>
</table>

*Arizona requires a minimum of 22 credit hours for graduation. ASU Prep requires a minimum of 27 credit hours for graduation.
ASU Preparatory Student Pathways

Being an ASU Prep student means being part of an innovative and individualized educational experience. Each of our students will be given the opportunity to choose their academic focus based on their individual interests and post-secondary goals. Similarly to the university setting, our students will select a major or as we call it, a pathway. These pathways will help guide and ignite their academic passion.
### Example Four Year Plans for LAH and ET Pathways

#### Liberal Arts and Humanities

<table>
<thead>
<tr>
<th>Grade</th>
<th>Mathematics</th>
<th>Science</th>
<th>Electives</th>
<th>Capstone</th>
<th>World Languages</th>
<th>History</th>
<th>English</th>
</tr>
</thead>
<tbody>
<tr>
<td>9th</td>
<td>IGCSE 1</td>
<td>Choices (pick 1) IGCSE Physics or IGCSE Bio</td>
<td>HWF</td>
<td>Liberal Arts and Humanities</td>
<td>Choice: - Spanish - French - Mandarin</td>
<td>World Studies</td>
<td>IGCSE FLE + Research and Writing</td>
</tr>
<tr>
<td></td>
<td>IGCSE 2</td>
<td>IGCSE Additional</td>
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<tr>
<td></td>
<td>AS Mathematics (Honors only)</td>
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<tr>
<td>10th</td>
<td>IGCSE Physics</td>
<td>Choices (pick 1) IGCSE Chemistry or AS level</td>
<td>IGCSE Art</td>
<td>Liberal Arts and Humanities</td>
<td>Year 2 of previous WL</td>
<td>American History</td>
<td>IGCSE Lit + Research and Writing</td>
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<td></td>
<td></td>
<td>IGCSE Music Creative Writing</td>
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<td></td>
<td>University level mathematics via Collegiate Scholars (Honors only)</td>
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<tr>
<td>12th</td>
<td>Choices (pick 1) IGCSE Physics IGCSE Chemistry or AS/A Level</td>
<td>Choices (pick 3) a. Academic Apprenticeship b. Independent Study c. Engineering d. Computer systems</td>
<td>Liberal Arts and Humanities</td>
<td>Economics/ Government</td>
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<td></td>
<td>Choices (pick 1) Senior English/ENG 101 A Language</td>
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#### Engineering and Technology Pathway

<table>
<thead>
<tr>
<th>Grade</th>
<th>Mathematics</th>
<th>Science</th>
<th>Electives</th>
<th>Capstone</th>
<th>World Languages</th>
<th>History</th>
<th>English</th>
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<tbody>
<tr>
<td>9th</td>
<td>IGCSE 2</td>
<td>IGCSE Physics</td>
<td>HWF</td>
<td>Engineering</td>
<td>Choice: - Spanish - French - Mandarin</td>
<td>World Studies</td>
<td>IGCSE FLE + Research and Writing</td>
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<td></td>
<td>AS Mathematics (Honors only)</td>
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<tr>
<td>10th</td>
<td>IGCSE Chemistry</td>
<td>IGCSE Art</td>
<td>Engineering</td>
<td>Year 2 of previous WL</td>
<td>American History</td>
<td>IGCSE Lit + Research and Writing</td>
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## Example Four Year Plans LS and SBS Pathways

### Life Sciences Pathway

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<th>Grade</th>
<th>Mathematics</th>
<th>Science</th>
<th>Electives</th>
<th>Capstone</th>
<th>World Languages</th>
<th>History</th>
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<tbody>
<tr>
<td>9th</td>
<td>IGCSE 1</td>
<td>IGCSE Biology</td>
<td>HWF</td>
<td>Life Sciences</td>
<td>Choice: - Spanish - French - Mandarin</td>
<td>World Studies</td>
<td>IGCSE FLE + Research and Writing</td>
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<tr>
<td></td>
<td>IGCSE 2</td>
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<tr>
<td>10th</td>
<td>IGCSE Additional</td>
<td>IGCSE Chemistry</td>
<td>IGCSE Art</td>
<td>Life Science</td>
<td>Year 2 of previous WL</td>
<td>American History</td>
<td>IGCSE Lit + Research and Writing</td>
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<tr>
<td></td>
<td>AS Mathematics (Honors only)</td>
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### Social and Behavioral Sciences

<table>
<thead>
<tr>
<th>Grade</th>
<th>Mathematics</th>
<th>Science</th>
<th>Electives</th>
<th>Capstone</th>
<th>World Languages</th>
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<th>English</th>
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<tbody>
<tr>
<td>9th</td>
<td>IGCSE 1</td>
<td>IGCSE Bio</td>
<td>HWF</td>
<td>Social and Behavioral Sciences</td>
<td>Choice: - Spanish - French - Mandarin</td>
<td>World Studies</td>
<td>IGCSE FLE + Research and Writing</td>
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<td></td>
<td>IGCSE 2</td>
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<tr>
<td>10th</td>
<td>IGCSE Additional</td>
<td>IGCSE Chemistry</td>
<td>Choices (pick 1) IGCSE Art IGCSE Music Creative writing</td>
<td>Social and Behavioral Sciences</td>
<td>Year 2 of previous WL</td>
<td>American History</td>
<td>IGCSE Lit + Research and Writing</td>
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<td>College Algebra</td>
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<td>A Mathematics (Honors only)</td>
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English

IGCSE English First Language 1 Credit
English. Required. 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.

IGCSE English Literature 1 Credit
English. Required. 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.

AS Level Literature 1 Credit
English. Honors. Prerequisite: IGCSE Literature qualifying score and/or teacher recommendation.
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.

A Level Literature 1 Credit
English. Honors. Prerequisite: AS Level Literature qualifying score and/or teacher recommendation.
This course is the continuance of AS Literature. Students will delve deeper into developing 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 expand their interdependent skills of reading, analysis and communication. Students will also develop
effective and strong communication through wider reading and an understanding of how reading may contribute to personal development.

**English 11**

*English. Prerequisite: Junior status.*
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.

**English 12/ ENG101 (English Composition)**

*English. Prerequisite: Senior status. $49 course fee.* This introductory writing course will help students express ideas effectively for a variety of purposes, audiences and occasions. Students will develop the interdependent skills of reading, analysis and communication. Students will focus on writing processes, knowledge of conventions, the use of digital technology, and gaining rhetorical knowledge and critical thinking skills. 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. If students do wish to earn university credit for the course, which will count as credit for ASU’s First-Year Composition course, they will be asked to complete a portfolio demonstrating what they have learned and providing evidence that they have acquired the skills and knowledge taught during the course. This course is taught face-to-face with an online component.

*A $600 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.*
Research & Writing

Research & Writing I
Research & Writing II

**Research & Writing I**

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**

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

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.
Mathematics

IGCSE Mathematics I (Algebra I)
IGCSE Mathematics II (Geometry)
IGCSE Additional (Algebra II)
College Algebra
AS Pure Math 1 + Mechanics 1 (Pre-Calculus)
A Level Pure Math 2 + Mechanics 2 (Calculus/Mechanics)

IGCSE Mathematics I (Algebra I) 1 Credit
Mathematics. General or Honors. Required. Prerequisite: Placement Exam.
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.

IGCSE Mathematics II (Geometry) 1 Credit
Mathematics. General or Honors. Required. Prerequisite: IGCSE Mathematics I and/or Placement Exam.
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.
IGCSE Additional Math  (Algebra II)  
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 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 interconnectedness 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.

College Algebra  
1 Credit

Mathematics. Not Required. Prerequisite: IGCSE Additional Math/Discrete Math and/or teacher placement. $49 course fee.
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.

* A $600 (USD) 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.

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

Mathematics. Honors. Prerequisite: IGCSE Additional Math or IGCSE Math II plus Teacher Recommendation.
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.
A Level Pure Math 2 + Mechanics 2  (Calculus/Mechanics)  1 Credit
Cambridge International AS and A Level Mathematics are accepted by universities and employers as proof of mathematical knowledge and understanding. Successful candidates gain lifelong skills, including: a deeper understanding of mathematical principles; the further development of mathematical skills including the use of applications of mathematics in the context of everyday situations and in other subjects that they may be studying; the ability to analyze problems logically, recognizing when and how a situation may be represented mathematically; the use of mathematics as a means of communication; a solid foundation for further study.

Science

IGCSE Biology
IGCSE Chemistry
IGCSE Physics
AS Level Biology
AS Level Physics
A Level Biology
A Level Physics
ASU Biology 181/182
ASU Sustainable Worlds

IGCSE Biology  1 Credit
Science. Prerequisite: none.
With an emphasis on human biology, this course enables students to understand the technological world in which they live, and take an informed interest in science and scientific developments. Students will gain an understanding of the basic principles of biology through a mix of theoretical and practical studies. They will also develop an understanding of the scientific skills essential for further study at Cambridge International AS/A Level, which are useful in everyday life. As they progress, learners understand how science is studied and practiced, and become aware that the results of scientific research can have both beneficial and negative effects on individuals, communities and the environment.
IGCSE Chemistry  
*Science. Prerequisite: IGCSE Bio or IGCSE Physics.*

The purpose of this course is to develop skills that are relevant to the study and practice of chemistry. Students will acquire sufficient knowledge and understanding to become confident citizens in a technological world and develop an informed interest in scientific matters. The course will enable them to practice a systematic approach to problem solving and develop attitudes relevant to chemistry such as concern for accuracy and precision, objectivity, integrity, enquiry, initiative, inventiveness. This course will allow students to recognize that science is evidence based and understand the usefulness and limitations of scientific method. It also aims to enable students to appreciate that science is subject to social, economic, technological, ethical and cultural influences and limitations.

IGCSE Physics  
*Science. Prerequisite: none.*

The purpose of this course is to provide exploratory experiences, laboratory experience, and real-life applications in the physical sciences. 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.

AS Level Biology  
*Science. Honors. Prerequisite: IGCSE Biology.*

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.

AS Level Physics  
*Science. Honors. Prerequisite: IGCSE Physics.*

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.
A Level Biology

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).

A Level Physics


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.

ASU Biology 181/182 + Lab

Science. Honors. Prerequisite: AS Biology and teacher recommendation.

**181**-Biological concepts emphasizing principles and the interplay of structure and function at the molecular, cellular, and organismal levels. Intended for life sciences, biology, and health-related science majors. **182**-Biological concepts emphasizing principles and the interplay of structure and function at the organismal, population, and community levels. Intended for life sciences, biology, and health-related science majors.

*A $600 (USD) 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.*

ASU Sustainable World SOS 110

Science Elective. Honors. Prerequisite: Junior/Senior status. $50 course fee.

Sustainable World will introduce you to the field of sustainability and explore the fundamental question of how human and natural systems interact. Sustainable World focuses more on how the environment functions, but also addresses how humans interact with the environment: how we shape the environment and how it shapes us. Using real world issues and problems, you will learn about the fundamental Earth systems on which we depend.
*A $250 (USD) 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.

**Social Studies**

IGCSE World History
IGCSE American History
Economics
U.S. Government

**IGCSE World History** 1 Credit
*Social Studies. Required. 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.

**IGCSE American History** 1 Credit
*Social Studies. Required. 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. Students will also develop the ability to understand, analyze, evaluate, and use critically a range of sources as evidence in their historical context. Students will also be asked to consider American History through the lens of 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.

**Economics** .5 Credit
*Social Studies. Required. Prerequisite: Taken concurrently with Government.*
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, students will be able to organize, present, and communicate economic ideas and informed judgments in a clear, logical, and appropriate form.

**Government**

*Social Studies. Required. Prerequisite: Taken concurrently with Economics.*

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 responsible citizens of the United States and the world.

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**Health and Fitness Education**

**Health, Wellness & Fitness**

1 Credit

*Required. 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 - SBS Pathway**

1 Credit

*Elective. Prerequisite: none.*

In this course students will develop personalized fitness, wellness, and nutrition plans incorporating nutrition and fitness concepts and analyze fitness and nutrition programs using these concepts. Class will be tailored to specific student needs.

**Sports Physiology - LS & SBS Pathways**

1 Credit

*Elective. Prerequisite: none.*
Sports Physiology is a laboratory-based course that investigates the structure and function of the human body in relation to sports. Topics covered will include the basic organization of the body, and major body systems along with the impact of diseases on certain systems.

**World Languages**

Spanish I
Spanish II
Spanish III
Spanish IV
French I
Mandarin Chinese I
Mandarin Chinese IV

**Spanish I**

*World Languages. Prerequisite: none.*

The primary objective of Spanish I is to provide basic conversational skills. The emphasis is on communication in everyday situations. Skills such as listening, reading and writing will be part of Spanish I. Another component of the course is the study of Spanish-speaking countries and their culture.

**Spanish II**

*World Languages. 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**

*World Languages. 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.

**Spanish IV**

*World Languages. Honors. Prerequisite: Spanish III.*

Students continue their mastery of listening, speaking, reading, and writing skills. Reading is both intensive and extensive, encompassing all genres, including both newspaper and magazines. The course has a required reading list of authors and poets such as Gabriel García Márquez, Miguel de Cervantes, Isabel Allende, Miguel de Unamuno, etc. Current TV programs, radio broadcasts, and tapes comprise the listening component of the course. The course also includes a year-long review of Spanish grammar.
**French I** 1 Credit  
*World Languages. 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 learners 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.

**Mandarin Chinese I** 1 Credit  
*World Languages. Prerequisite: None. Course fees may apply.*  
Mandarin I will be designed for students who have little or no prior knowledge of the Chinese language. The course aims to help students develop their communicative competence in the four basic skills of listening, speaking, reading, and writing. Students will also have the chance to apply learned language knowledge into real life situations. The other focus of the course is on enhancing students’ awareness of the Chinese culture and compare the aspects of the Chinese culture to their own.

*This is a Hybrid course and will feature face to face instruction as well as online components.*

**Mandarin Chinese IV** 1 Credit  
*World Languages. Honors. Prerequisite: Mandarin Chinese III. Course fees may apply.*  
This course aims to teach students intermediate/advanced Chinese. Students will further practice their listening, speaking, reading and writing skills. Students will also gain a deeper understanding of the culture. 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.

*This is a Hybrid course and will feature face to face instruction as well as online components.*  
$50 course fee may apply.
Capstone

Each year at ASU Preparatory Academy students study the pillars of leadership, social entrepreneurship, partnership, and academic preparation in their Capstone class. Faculty advisors assist them in the development of a portfolio that includes research projects, internship experiences, community service, and public speaking events. Each quarter, students, parents, and their Capstone mentors create an individualized learning plan to ensure each student is on track to graduate and be successful in a four-year college or university. In order to fulfill our mission, mentors remain connected to their cohort for the first year of college to provide support and guidance during, what research shows, is the most critical year for students earning an undergraduate university degree. The Capstone focus will be determined by each student’s chosen Pathway.

**Engineering and Technology Capstone**

*Capstone. Required. Can be repeated for credit.*

ASU Prep Capstone assists students through support in study, leadership, and academic skills. Students will begin to explore topics that interest them in the context of larger, global understandings taught across the curriculum. With the underlying focus remaining on engineering and technology students will progress yearly through topics that include but are not limited to the following: Leadership, Business and Entrepreneurship, Global Perspectives, and EPICS (Engineering Projects in Community Service). Students will also explore college and career-related issues and complete cohort specific college going activities such as the college application process, ACT/SAT prep, college application portfolios, scholarship research and applications.

**Liberal Arts and Humanities Capstone**

*Capstone. Required. Can be repeated for credit.*

ASU Prep Capstone assists students through support in study, leadership, and academic skills. Students will begin to explore topics that interest them in the context of larger, global understandings taught across the curriculum. With the underlying focus remaining on Liberal Arts and Humanities, students will progress yearly through topics that include but are not limited to the following: Leadership, Business and Entrepreneurship, Global Perspectives, and EPICS (Engineering Projects in Community Service). Students will also explore college and career-related issues and complete cohort specific college going activities such as the college application process, ACT/SAT prep, college application portfolios, scholarship research and applications.
Life Sciences Capstone

Capstone. Required. Can be repeated for credit.

ASU Prep Capstone assists students through support in study, leadership, and academic skills. Students will begin to explore topics that interest them in the context of larger, global understandings taught across the curriculum. With the underlying focus remaining on life sciences, students will progress yearly through topics that include but are not limited to the following: Leadership, Business and Entrepreneurship, Global Perspectives, and EPICS (Engineering Projects in Community Service). Students will also explore college and career-related issues and complete cohort specific college going activities such as the college application process, ACT/SAT prep, college application portfolios, scholarship research and applications.

Social and Behavioral Sciences Capstone

Capstone. Required. Can be repeated for credit.

ASU Prep Capstone assists students through support in study, leadership, and academic skills. Students will begin to explore topics that interest them in the context of larger, global understandings taught across the curriculum. With the underlying focus remaining on Social and Behavioral Sciences, students will progress yearly through topics that include but are not limited to the following: Leadership, Business and Entrepreneurship, Global Perspectives, and EPICS (Engineering Projects in Community Service). Students will also explore college and career-related issues and complete cohort specific college going activities such as the college application process, ACT/SAT prep, college application portfolios, scholarship research and applications.
Fine Art Electives

All students are required to complete at least two Fine Art courses. Additional Fine Art electives are part of the LAH Pathway however, they may be taken by students in any pathway.

IGCSE Art & Design
Art Portfolio
AS Level Art & Design
Creative Writing
Dance Technique
IGCSE Music
Music Appreciation
Music Ensemble
Theatre Production (Art, Drama, Music)

**IGCSE Art & Design - LAH Pathway** 1 Credit

*Fine Arts. Elective. Prerequisite: none.*

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.

**Art Portfolio - LAH Pathway** 1 Credit


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.

**AS Level Art & Design - LAH Pathway**  
1 Credit  
*Fine Arts. 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.

**Creative Writing - LAH Pathway**  
1 Credit  
*Fine Arts. 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 - LAH Pathway**  
1 Credit  
*Fine Arts Elective. Prerequisite: none.*  
Dance Technique exposes students to many different styles of dance. It is also designed to teach technique and build strength and flexibility. Students will learn about many styles of dances, not only through choreography, but also through examination of dance history and vocabulary. Students will develop an awareness of body alignment and movement.

**IGCSE Music - LAH Pathway**  
1 Credit  
*Fine Arts. 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.
Music Appreciation - LAH Pathway  
**Fine Arts. Elective. Prerequisite: none.**

In Music Appreciation, students will learn about music and musicians from the past and present, and will acquire the vocabulary and critical thinking skills needed to discuss and comprehend all kinds of music at a deeper level. Music Appreciation class will provide students the opportunity to discover new kinds of music from all over the world, compare and contrast musical forms, and share and analyze their own musical interests.

Music Ensemble - LAH Pathway  
**Fine Arts. 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 - LAH Pathway  
**Fine Arts. 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.
Additional Electives

Corresponding pathways (see p.4) are noted next to each elective. These include Engineering and Technology (ET), Liberal Arts and Humanities (LAH), Life Sciences (LS), and Social and Behavioral Sciences (SBS). Students are encouraged to choose electives that correspond with their chosen pathway, however they may choose electives outside of their pathway given Admin/Counselor approval.

Business
IGCSE Computer Science
Marketing
Principles of Engineering
Robotics
Sociology
Yearbook/Journalism
Academic Apprenticeship
Independent Study

Business - SBS Pathway

Elective. Prerequisite: none.
This course will introduce students to the role of business in society and the factors that impact it locally and globally, as well as an overview of functional areas of business and the basic concepts of the business world. Topic include: the stock market, how business is owned and structured, entrepreneurship, marketing, business ethics, workplace diversity issues, how to write a business plan, what it takes to start a business, and the roles of employees and employers.

Engineering II-Robotics - ET Pathway

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.

IGCSE Computer Science - ET & LS Pathways

Science. Prerequisite: none.
The purpose of this course is to develop an interest in, enjoyment of, and confidence in the use of computing. They will develop an appreciation of the range and power of computer applications and solve problems using computing; their studies include systems analysis, algorithm design and programming concepts. Students will consider a broad range of computer applications, to develop an understanding of the power and versatility of the computer and the benefits of its use, but also its limitations and potential disadvantages. Computer Science is an ideal foundation for further study at Cambridge International AS and A Level, and the skills learned can also be used in other areas of study and in everyday life.
Marketing - *LAH & SBS Pathways*  
**Elective. Prerequisite: none.**
This course includes an introduction to marketing including its economic and business foundations. Students complete marketing projects, analyze realistic business situations, and learn about career opportunities.

*Principles of Engineering I - ET Pathway*  
**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.

*Sociology - SBS Pathway*  
**Elective. Prerequisite: none.**
In this course, students are introduced to the study of human behavior in society. This course provides an overview of sociology, including (but not limited to) topics as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society. Students will develop and understand how we become who we are, the ability to analyze human behavior in society, an appreciation for research methods, and the ability to use evidence and ideas to challenge beliefs about issues such as equality, family, education, and crime.

*Journalism - LAH Pathway*  
**Elective. Prerequisite: Application.**
The purpose of this course is to enable students to research and report newsworthy information in a manner effective for particular mediums. Students will study the legal, ethical, and societal responsibilities of journalists and prepare material that meets those standards and responsibilities. Throughout the course, students will explore work created by historically significant and current professionals and will hone media literacy skills. Students will utilize foundational journalism skills and professional practices to create and manage an online magazine. Students in this class will need to be organized and adhere to strict deadlines.

*Yearbook - LAH Pathway*  
**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.

**Academic Apprenticeship - ET, LAH, LS & SBS Pathways**

Elective. Prerequisite: Completed Application and Counselor/Principal Recommendation.

Academic Apprenticeships placements have a learning aspect associated with a degree program, career field, university research initiative; placements also exist as a means to explore on-campus jobs and work-study options. All are under the direction of a postsecondary faculty member or employee and a teacher at ASU Prep to create a unique internship experience for each student. Students have to go through an interview process and there is a performance review quarterly. Examples of past AcApp placements include:

- ASU Academic Placements: Algae Lab, Aviation Simulation Building, Engineering Lab, Mary Lou Fulton Teachers College
- ASU Career Services Placements: University Housing, Sun Devil Fitness, Print Lab, Student Union Event Management, Technology Help Desk
### Academic Apprenticeship Elective Options

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<th>Engineering and Technology</th>
<th>Life Sciences</th>
<th>Social and Behavioral Sciences</th>
<th>Liberal Arts and Humanities</th>
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<tbody>
<tr>
<td>Current</td>
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</tr>
<tr>
<td>ASU Aviation Simulation Lab</td>
<td>ASU Algae Research Lab</td>
<td>ASU Prep Elementary/STEM School Counseling - K-8 Education</td>
<td>Housing</td>
</tr>
<tr>
<td>ASU Engineering Lab</td>
<td>ASU Sustainability Dept.</td>
<td>- Athletic Director</td>
<td>ASU Career Peer</td>
</tr>
<tr>
<td>ASU Technology Center</td>
<td>ASU Prep STEM - Athletic Director</td>
<td>Mary Lou Fulton College of Education</td>
<td>ASU Prep Newsletter/ASU Journalism</td>
</tr>
<tr>
<td>- Print Lab</td>
<td>ASU Sun Devil Fitness Center</td>
<td>ASU Career Peer</td>
<td>ASU event planning</td>
</tr>
<tr>
<td>- Help Desk</td>
<td>ASU Finance Dept.</td>
<td>ASU Change-Maker</td>
<td></td>
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<tr>
<td>Possible</td>
<td>Classroom TA</td>
<td></td>
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<tr>
<td>Other options upon approval</td>
<td>ASU Agribusiness</td>
<td>ASU Student Government</td>
<td>Classroom TA</td>
</tr>
<tr>
<td></td>
<td>ASU Pre-veterinarian</td>
<td>ASU Agribusiness</td>
<td>Other options upon approval</td>
</tr>
<tr>
<td></td>
<td>ASU Applied Bio</td>
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</tbody>
</table>

All students must complete the application process and be granted an ASU Prep recommendation. Once they obtain the ASU Prep recommendation students will interview for their selected apprenticeship. Placement is not guaranteed.

### Independent Study - ET, LAH, LS & SBS Pathways

1 Credit

*Elective. Prerequisite: Counselor/Principal Recommendation.*

The purpose of this course is to provide students the opportunity to complete online college-level elective courses available through ASU’s Global Freshman Academy. Courses must be approved by administration prior to enrollment and students must enroll in the Verified track, which requires an initial registration fee of $49-$99. Students who successfully complete college credit eligible courses with a C or better may be eligible for university academic credit in addition to the high school credit. Additional college course options may be available on a case by case basis.*
*A credit fee is required to receive the university academic credit after passing the online course with a C or better. The cost is dependent upon the course chosen and is often around $600. This is optional and does not impact high school credit. Scholarships may be available for those who qualify.

## Independent Study Opportunities

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<tr>
<th>ASU College Credit</th>
<th>Life Sciences</th>
<th>Social and behavioral Sciences</th>
<th>Liberal Arts and Humanities</th>
</tr>
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<tbody>
<tr>
<td>Eligible via Global Freshman Academy Fees: $49-99 enrollment + reduced tuition rates starting at $500+</td>
<td>Introduction to Health and Wellness Human Origins ASU poly campus class</td>
<td>Western Civilizations Human Origins ASU poly campus class</td>
<td>Western Civilizations Human Origins ASU poly campus class</td>
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- ASU Poly Campus Course Via Collegiate Scholars: Tuition and fees apply. This option is available on a case-by-case basis only.
- Other collegiate offerings approved on a case-by-case basis.

## Index of Courses

### Capstone - 4 credits

**Engineering and Technology Capstone 1 Credit**

*Capstone. Required. Can be repeated for credit.*

**Liberal Arts and Humanities Capstone 1 Credit**

*Capstone. Required. Can be repeated for credit.*
Life Sciences Capstone  1 Credit
Capstone. Required. Can be repeated for credit.

Social and Behavioral Sciences Capstone  1 Credit
Capstone. Required. Can be repeated for credit.

English - 4 credits

IGCSE English First Language  1 Credit
English. Required. Prerequisite: none.

IGCSE English Literature  1 Credit
English. Required. Prerequisite: IGCSE English First Lang.

AS Level Literature  1 Credit
English. Honors. Prerequisite: IGCSE English Literature qualifying exam score and/or Teacher Recommendation.

A Level Literature  1 Credit
English. Honors. Prerequisite: AS Level Literature qualifying exam score and/or Teacher Recommendation.

English 11  1 Credit
English. Prerequisite: Junior.

English 12/English 101 (English Composition)  1 Credit
English. Prerequisite: Senior.

Research & Writing - 2 credits

Research & Writing I  1 Credit
Research and Writing. Required. Prerequisite: none.

Research & Writing II  1 Credit
Research and Writing. Required. Prerequisite: none.

Fine Arts -2 credits

IGCSE Art & Design  1 Credit
Fine Arts. Required. Prerequisite: none.

Art Portfolio  1 Credit

AS Level Art & Design  1 Credit

Creative Writing  1 Credit
Fine Arts. Elective. Prerequisite: none.

Dance Technique  1 Credit
Fine Arts. Elective. Prerequisite: none.

IGCSE Music
Fine Arts. Elective. Prerequisite: none.

Music Appreciation 1 Credit  
Fine Arts. Elective. Prerequisite: none.

Music Ensemble 1 Credit  
Fine Arts. Elective. Prerequisite: none.

Theatre Production (Art, Drama, Music) 1 Credit  
Fine Arts. Elective. Prerequisite: none.

Additional Electives - 1 or more credits

Business 1 Credit  
Elective. Prerequisite: none.

IGCSE Computer Science 1 Credit  
Elective. Prerequisite: none.

Marketing 1 Credit  
Elective. Prerequisite: none.

Principles of Engineering 1 Credit  
Elective. Prerequisite: IGCSE Additional or Teacher recommendation.

Robotics 1 Credit  
Elective. Prerequisite: IGCSE Additional or Teacher recommendation.

Sociology 1 Credit  
Elective. Prerequisite: none.

Yearbook/Journalism 1 Credit  
Elective. Prerequisite: Application.

Academic Apprenticeship 1 Credit  
Elective. Prerequisite: Application and Interview.

Independent Study 1 Credit  
Elective. Prerequisite: Academic Advisor Approval.

Health and Fitness Education - 1 credit

Health, Wellness & Fitness 1 Credit  
Required. Prerequisite: none.

Lifetime Fitness 1 Credit  
Elective. Prerequisite: none.

Sports Physiology 1 Credit  
Elective. Prerequisite: Junior or Senior.

Mathematics - 4 credits

IGCSE Mathematics I (Algebra I) 1 Credit  
Mathematics. Required. Prerequisite: Placement Exam.

IGCSE Mathematics II (Geometry) 1 Credit  
Mathematics. Required. Prerequisite: IGCSE Mathematics I and/or Placement Exam.
IGCSE Additional Mathematics (Algebra II) 1 Credit
Mathematics. Not Required. Prerequisite: IGCSE Mathematics II.
College Algebra 1 Credit
Mathematics. Not Required. Prerequisite: IGCSE Additional Mathematics and/or Teacher Placement.
AS Level Pure Math 1 + Mechanics 1 (Pre-Calculus) 1 Credit
Mathematics. Honors. Prerequisite: IGCSE Additional Math or IGCSE Math II + Teacher Recommendation.
A Level Pure Math 2 + Mechanics 2 (Calculus/Mechanics) 1 Credit

Science - 4 credits*
IGCSE Biology 1 Credit
Science. Prerequisite: none.
IGCSE Chemistry 1 Credit
Science. Prerequisite: none.
IGCSE Level Physics 1 Credit
Science. Prerequisite: none.
AS Level Biology 1 Credit
Science. Honors. Prerequisite: IGCSE Biology.
AS Level Physics 1 Credit
Science. Honors. Prerequisite: IGCSE Physics.
A Level Biology 1 Credit
Science. Honors. Prerequisite: AS Level Biology qualifying exam score and/or Teacher Recommendation.
A Level Physics 1 Credit
Science. Honors. Prerequisite: AS Level Physics qualifying exam score and/or Teacher Recommendation.
ASU Biology 181/182
Science. Prerequisite: AS Biology
ASU Sustainable World SOS 110
Science. Honors. Prerequisite: Junior/senior status.

Social Studies - 3 credits
IGCSE World History 1 Credit
Social Studies. Required. Prerequisite: none.
IGCSE American History 1 Credit
Social Studies. Required. Prerequisite: none.
Economics/U.S. Government 1 Credit
Social Studies. Required. Prerequisite: none.
World Languages - 3 credits

Spanish I 1 Credit
World Languages. Prerequisite: none.

Spanish II 1 Credit
World Languages. Prerequisite: Spanish I.

Spanish III 1 Credit
World Languages. Prerequisite: Spanish II.

Spanish IV 1 Credit
World Languages. Honors. Prerequisite: Spanish III.

French I 1 Credit
World Languages. Prerequisite: none.

Mandarin Chinese I 1 Credit
World Languages. Prerequisite: none.

Mandarin Chinese IV 1 Credit
World Languages. Honors. Prerequisite: Mandarin Chinese III.