

FHS COURSE DESCRIPTIONS 2023-2024

The Flagstaff High School Mission

Flagstaff High School provides all students with a high-quality education through diverse pathways to foster success in college, career, citizenship, and life.

Vision Statement

1. Create a **safe, calm, and predictable** school environment for every staff member and each student through the use of PBIS and Restorative Practices.
2. Embody a culture of **collaboration and cohesion** among staff through the implementation of Professional Learning Communities and intentional relationship building using the SOARR model. We will become an interdependent staff.
3. Vision for the next century of learners.

Core Values

FOCUS – HONOR – SUCCESS



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FLAGSTAFF HIGH SCHOOL

HOME OF THE EAGLES SINCE 1923

Welcome to Flagstaff High School!

Flagstaff High School offers multiple dual enrollment, elective, career and technical (CTE), advanced placement (AP) and honors opportunities available for all students. Research shows that students who take elective and CTE courses along with extracurricular activities that are related to their individual interests, are far more likely to enjoy their school experience, graduate and be successful.

FHS boasts a 94% graduation rate in nearly every ethnic and socio-economic demographic group that prepares students to harness success in their post-secondary choice. Whether selecting a career, military or academic post-secondary choice, FHS offers the course work and support to help students succeed.

FUSD GRADUATION & AZ UNIVERSITY ADMISSIONS REQUIREMENTS

FUSD Graduation Pathway: The graduation pathway consists of the minimum requirements needed in order for a student to graduate from high school. A high school diploma is required in order for a person to enter the military, enroll in a technical or trade school, and/or enter community college.

AZ University Pathway: The university pathway consists of the requirements needed in order for a student to graduate from high school and be admissible to NAU, ASU or the U of A. Students who plan to attend an out of state public or private university should check admission requirements for those institutions.

Subject Area	FUSD Graduation Requirements	AZ Public University Admissions
English	4	4
Mathematics	4 (Algebra 1, Geometry, Algebra 2, senior math)	4
Science	3	3 lab sciences
Social Studies	3	3
PE/Health	1 (.5 PE & .5 Health)	1 (.5 PE & .5 Health)
Fine Arts/Vocational	1	1 Fine Arts or CTE credit
Modern Language	0	2 required of the same language
Elective Courses	6	4
Civics Exam	Pass	Pass
Total *24 possible credits	22	22

FOUR YEAR PLANNING

9 th Grade	10 th Grade
11 th Grade	12 th Grade

ADVANCED PLACEMENT ACADEMY



The Advanced Placement (AP) Academy at Flagstaff High School is a community of high school scholars who seek to push themselves academically while having the support of teachers, mentors and peers over a student's 4 years in high school. The AP Academy offers a rigorous course of study that encourages exploration and creativity while giving the necessary support to promote success. Over the course of four years, students in the AP Academy are provided with the tools they need to stand out from their peers, push themselves and find meaning in their work. It provides an honored distinction at graduation on their diploma as well as countless networking opportunities.

The AP Academy offers 3 *Tiers of Distinction*:

<p><u>Tier 1</u> Diploma With Specialization</p>	<p>Similar to a college major, Tier 1 is earned by students who complete 4 Honors/AP courses in a single content area (English, Math, Science or Social Studies) plus an additional 2 Honors/AP in their final 2 years at FHS and maintain a 3.2 unweighted cumulative GPA.</p>
<p><u>Tier 2</u> Honors Diploma With Specialization</p>	<p>Similar to the first tier, Tier 2 is earned by completing 4 Honors/AP courses in a single content area plus an additional 3 Honors/AP courses in their final 2 years at FHS and maintaining a 3.4 unweighted cumulative GPA. A Capstone Project is optional at this level.</p>
<p><u>Tier 3</u> Distinguished Scholar</p>	<p>Tier 3 is earned by taking at least 8 AP courses over 4 years, completing a Capstone Project, and maintaining a 3.5 unweighted cumulative</p>

Flagstaff High School offers 18 AP Courses. Some courses are offered on a rotation basis. All students are welcome to take any AP Course as they do not need to be part of the AP Academy to take an AP Course. AP Courses are designed to be more rigorous and challenging than regular high school courses. Students need to be prepared to accept the challenge of completing a college level course at the high school level. Students are able to take the AP Exam during the first two weeks of May to possibly earn college credits or advanced placement in college.

AP Courses Offered at FHS

AP American Government
AP Art
AP Biology
AP Pre-Calculus
AP Calculus AB
AP Calculus BC

AP Chemistry
AP Economics
AP English Language
AP English Literature
AP Environmental Science
AP Human Geography

AP Music Theory
AP Physics
AP Spanish
AP Statistics
AP US History
AP World History

THE ALPINE INSTITUTE



Alpine Institute provides Flagstaff High School students with a vital experiential and place-based learning program focused on the Colorado Plateau. On their way to becoming college and career ready, Alpine students will have service learning and field research opportunities with integral community partners. This program is the summit experience of a K-12 experiential education initiative within the Flagstaff Unified School District. Alpine Institute students will be involved with critical, local issues, work with regional experts, and actively become involved in their communities. They will be prepared to envision solutions to complex problems that don't have easy answers.

In the Alpine Institute, we focus on these core values:

- Inquiry • Community • Stewardship & Advocacy • Critical Thinking • Reflection

If you are a part of the Alpine Institute, you can still participate in other programs at FHS like the AP Academy. Additional program requirements include maintaining a 3.0 GPA, completing a minimum of 40 Alpine service learning hours and engaging with expeditionary learning outside of the classroom.

*Course has a prerequisite to enroll in the course.

Freshman	Sophomore	Junior	Senior
<ul style="list-style-type: none"> - Life Science - Honors Biology* - Oceanography - AP Human Geography - Outdoor Discovery 	<ul style="list-style-type: none"> - Honors Biology* - Oceanography - AP Human Geography - Outdoor Discovery 	<ul style="list-style-type: none"> - Oceanography - AP Human Geography - Outdoor Discovery - AP Environmental* - AP Biology* - DE US History - Culinary II* 	<ul style="list-style-type: none"> - Oceanography - AP Human Geography - Outdoor Discovery - AP Environmental* - AP Biology* - Culinary II*

DUAL ENROLLMENT COURSES

Dual enrollment courses, also referred to as DE courses, allow students to earn both high school and college credits simultaneously. The DE courses are taught at the high school by high school teachers who have the credentials to teach for the college. Students do not have to leave the high school campus, and upon satisfactory completion of the class, students will have an official college transcript to use for transfer of credits or for Coconino Community College degree and certification programs.

To be eligible for dual enrollment, students must meet all community college admissibility requirements which include:

- Successful completion of course prerequisites with a minimum grade of a C or higher
- Teacher recommendation on course registration pick sheets
- Enrollment certification, which will be done at the high school with CCC
- Payment of reduced CCC tuition

Dual enrollment courses are articulated and certified each year by the community college. Each course and the instructor must meet the Higher Learning Commission and state of Arizona qualifications; therefore, changes in the dual enrollment status of a course may vary from year to year.

More information can be found at www.coconino.edu. Go to the **high school** tab and you will find information on dual enrollment courses offered at all Coconino County schools, as well as Programs of Study available to all students.

For information on transfer of dual enrollment classes to Arizona Public Universities, visit:
www.aztransfer.com

CAVIAT CENTRAL PROGRAMS

The Coconino Association for Vocations, Industry and Technology (C.A.V.I.A.T) is a Joint Technical Education District (JTED) that was an approved voter initiative in 2001. CAVIAT works with the Flagstaff Unified School District and Coconino Community College to offer concurrent enrollment and career training opportunities to high school students who live in Coconino County. CAVIAT Central Programs provide career preparation programs which respond to the needs of the various communities they serve.

*Flagstaff High School **sophomore** students may be eligible for admission into the following programs:

- Administration of Justice: Law & Public Safety & Security
- Computer Information Systems
- Business
- Construction Technologies
- Environmental Technologies Alternative Energy Technology
- Hospitality Management
- Early Childhood
- Veterinary Assistant

*Flagstaff High School **junior** students may be eligible for admission into any of the programs listed above and any of the following additional programs:

- Medical Assisting
- Pre-Health Careers

*Flagstaff High School **senior** students may be eligible for admission into any of the above programs as well as the following programs:

- Certified Nursing Assistant
- Emergency Medical Services
- Assisted Living Caregiver Certification
- Automotive Technology

****Specific program descriptions and certifications can be found at: www.caviat.org on either the Parent or Student tab. Each course has its own unique placement requirements like GPA and prerequisites. Students can talk to the CAVIAT Counselor in the FHS Counseling Office if they have any questions about eligibility.***

The classes in these programs are offered outside of the high school operating hours and FUSD provides all transportation required for attendance at either CCC Campus--- Fourth Street or Lone Tree. Flagstaff High School has a Career and Technical Education /CAVIAT counselor, who can address any specific CTE, Dual Enrollment or CAVIAT questions.

NCAA REQUIREMENTS

Before an athlete can play a sport or receive an athletic scholarship at a Division I or II college, he/she must meet the specific academic criteria as set forth by the NCAA. Students must have at least a 2.0 GPA (based on a 4.0 scale) in 16 core courses. A student must also achieve a minimum combined ACT score on the ACT/SAT, depending upon the student's GPA. To be eligible at a Division I school, the student with a minimum GPA will need a higher test score and the student with a minimum test score will need a higher GPA, based upon the Initial Eligibility Index.

Students must take specific courses in order to meet NCAA eligibility requirements. These include a certain number of college preparatory English, science, social studies, and math courses with at least one year of Algebra and Geometry. Because the NCAA has such specific requirements, and because these requirements can be confusing, it is very important that athletes meet with their school counselor in the ninth grade to obtain information on all of the NCAA requirements.

Athletes should take the ACT or the SAT no later than the spring of their junior year in order to have time to retake them if necessary. Athletes also need to complete an NCAA Clearinghouse Students Release Form after the junior year in order to initiate the eligibility process.

ACADEMIC COURSE CATALOG

ENGLISH

High School Requirements for English: 4 credits/years

Our primary goal is to assist students in becoming lifelong learners and knowledgeable citizens. Good communication skills--the ability to read, write, speak, and listen well--will help students succeed in their future education, in their chosen occupation, and in their relationships with others. For these reasons, English is required for four years.

GN English (ELA) Intervention Lab

Grades: 9-12 **College Prep:** No **Prerequisite:** Teacher recommendation **Fee:** None

Description: Class is by recommendation only. Students will receive specially designed instruction in basic reading skills, reading fluency, reading comprehension, and written expression. Instruction will be aligned with the student's individual education plan. Support will also be provided for grade level ELA courses. Class may be combined with the GN Math Intervention Lab based on individual student need.

GN English 9-12

Grades: 9-12. **College Prep:** No **Prerequisite:** Teacher recommendation **Fee:** None

Description: Class is by recommendation only. This is a Resource English class. Mixed focus on standards and individual skills in reading and writing. Focus on career readiness skills and use of CTE materials (reading for information, paragraph writing). Use of Reads Naturally (or replacement) to build individual skills. ELA Credit

English 9

EN50

Grades: 9 **College Prep:** Yes **Prerequisite:** None **Fee:** None

Description: This course combines reading, writing, listening, and speaking skills through literature including novels, short stories, poetry, drama, and nonfiction choices. Texts are selected to build upon students' prior learning, to improve reading strategies, and to encourage critical thinking. These readings are a resource for discussions, writing, and research. Activities focus on preparing students for upper-level high school English courses, and for career and college readiness.

Co-Taught English 9

Grades: 9 **College Prep:** Yes **Prerequisite:** Teacher recommendation **Fee:** None

Description: This course is designed to assist students who need extra support in English through the use of a co-taught model. This means there are two teachers in the classroom to meet the needs of the students. The course will cover the same content as the standard English class. A teacher recommendation is required to be enrolled in this class.

This course combines reading, writing, listening, and speaking skills through literature including novels, short stories, poetry, drama, and nonfiction choices. Texts are selected to build upon students' prior learning, to improve reading strategies, and to encourage critical thinking. These readings serve as a resource for

discussions, writing, and research. Activities focus on preparing students for upper-level high school English courses, and for career and college readiness.

Honors English 9

EN55H

Grades: 9 **College Prep:** Yes **Prerequisite:** None **Fee:** None

Description: This course is for those who have shown above-average ability and motivation to progress in language arts. Students work with a variety of challenging literary forms including short stories, novels, poetry, drama, and nonfiction. These readings are a resource for discussions, writing, and research. Honors English 9 is designed to create a foundation in literature and composition that prepares students for AP and college-level courses. Emphasis is placed upon academic rigor and college preparation.

English 10

EN60

Grades: 10 **College Prep:** Yes **Prerequisite:** None **Fee:** None

Description: This course integrates reading, writing, listening and speaking. Students study units in fiction and nonfiction to build on previous knowledge, and prepare for future high school courses. Curriculum emphasizes writing, building proficiency in grammar usage, and vocabulary development.

Co-Taught English 10

Grades: 10 **College Prep:** Yes **Prerequisite:** Teacher recommendation **Fee:** None

Description: This course is designed to assist students who need extra support in English through the use of a co-taught model. This means there are two teachers in the classroom to meet the needs of the students. The course will cover the same content as the standard English class. A teacher recommendation is required to be enrolled in this class.

This course integrates reading, writing, listening and speaking. Students study units in fiction and nonfiction to build on previous knowledge, and prepare for future high school courses. Curriculum emphasizes writing, building proficiency in grammar usage, and vocabulary development.

Honors English 10

EN65H

Grades: 10 **College Prep:** Yes **Prerequisite:** None **Fee:** None

Description: This course is for those who have shown above-average ability and motivation to progress in language arts. This course integrates reading, writing, listening, and speaking. This course introduces students to the elements of rhetoric and literature required for success in AP English 11 and 12. Readings include fiction and nonfiction selections. Writing instruction focuses on the elements of effective analysis and argumentation.

English 11

EN70

Grades: 11 **College Prep:** Yes **Prerequisite:** None **Fee:** None

Description: This course focuses on American literature through the centuries. The texts include poetry, fiction, nonfiction, and drama. Literary selections build on students' prior knowledge and provide exposure to

difficult texts. Writing focuses on rhetorical analysis and includes development of vocabulary and grammar skills.

English 11 (Dual Enrollment)

EN75

Grades: 11 **College Prep:** Yes **Prerequisite:** B or higher in prior English courses **Fee:** CCC tuition

Description: This course integrates critical reading and thinking skills needed for analysis of college-level texts. There is a strong emphasis in writing, rhetoric, and reasoning, with a particular focus on using the writing process to compose college-level essays. Students must have earned a B or higher in all English classes prior to 11th grade, and 10th grade English teachers must sign off on the placement. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, ENG 101. In order to earn the college credit, students must pay the reduced tuition to CCC.

AP English 11 Language and Composition

EN97

Grades: 11 **College Prep:** Yes **Prerequisite:** B or higher in prior English courses **Fee:** None

Description: This course provides students the skills to write effectively and confidently in their college courses and in their professional and personal lives. The course emphasizes the synthesis, analytical, and argumentative writing that forms the basis of academic and professional communication. Students read complex texts with critical attention to a writer's purpose and rhetorical strategies. This course is designed for college-bound students and allows not only preparation for college, but also the chance to earn college credit and/or advanced standing by taking the AP English Language and Composition Exam.

Career and College Ready English 12

EN85

Grades: 12 **College Prep:** Yes **Prerequisite:** None **Fee:** None

Description: This course is for college- and career-bound seniors. The course stresses literary analysis, research, and composition. It requires students to read, analyze, and respond to a variety of literary and nonfiction genres, and conduct research, review usage and style, focus on vocabulary, and complete challenging writing assignments. This course is designed with the understanding that literacy skills are required for all aspects of post-high school life.

English 12 (Dual Enrollment)

EN95

Grades: 12 **College Prep:** Yes **Prerequisite:** ENG 101 with CCC **Fee:** CCC tuition

Description: The course emphasizes writing to analyze, synthesize, and evaluate a variety of texts in varied media. It will incorporate research for presentations in both written and alternative methods, in compliance with the conventions and formatting expectations at the college level. Students must have already completed the ENG 101 or have passed the AP Language and Composition test with a 4 or better. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, ENG 102. In order to earn the college credit, students must pay the reduced tuition to CCC.

AP English 12 Literature and Composition

EN98

Grades: 12 **College Prep:** Yes **Prerequisite:** B or higher in prior English courses **Fee:** None

Description: This course allows students to study college-level composition and literature. Students practice the skills of close reading, critical thinking, and analytical discussion and writing in a challenging academic environment. This course is designed for college-bound students and allows not only preparation for college but also the chance to earn college credit and/or advanced standing by taking the AP English Literature and Composition Exam.

MATHEMATICS

High School Requirements for Mathematics: 4 credits/years to include:

- Algebra I
- Geometry
- Algebra II
- Advanced Math for which Algebra II is a prerequisite

*Two credits to minimally include Algebra I and Geometry or course content equivalent. One credit covering Algebra II or course content equivalent. One credit that includes significant mathematics content as determined by the governing board.

To help guide students in deciding on what math class to take for the Senior year a guide can be found at the end of this document.

GN Pre-Algebra

Grades: 9-12. **College Prep:** No. **Prerequisite:** Teacher recommendation. **Fee:** None

Description: This resource course revisits and deepens the understanding of Arizona State Standards foundational to success in Algebra 1. The curriculum plan for this class is flexible based on student needs. The outcome for the course is to prepare students for high school level mathematics needed for not only subsequent mathematics courses, but also science courses, CTE programs, and general quantitative literacy. The course does not meet university requirements.

GN Math Intervention Lab

Grades: 9-12 **College Prep:** No **Prerequisite:** Teacher recommendation. **Fee:** None

Description: This class is by recommendation only. Students will receive specially designed instruction in math calculation and problem solving. Instruction will be aligned with the student's individual education plan. Support will also be provided for grade level math courses. Class may be combined with the GN ELA Intervention Lab based on individual student need.

GN Algebra I

Grades: 9-12 **College Prep:** No **Prerequisite:** Teacher recommendation **Fee:** None

This resource course aligns with the Arizona State Standards for Algebra 1 with particular emphasis on deepening and extending the understanding and application of linear functions. Students will also graph these functions, identify key features, and make use of function transformations. The Arizona Standards for Algebra 1 also include applying linear models to data that exhibit a linear trend as seen through statistics. Appropriate technology will be used to enhance mathematical understanding and problem-solving skills.

Algebra I

MA50

Grades: 9-10 **College Prep:** Yes **Prerequisite:** None. **Fee:** None

Description: This course focuses on the formal definition of functions with particular emphasis on deepening and extending the understanding and application of linear, quadratic and exponential functions. Students will also graph these functions, identify key features, and make use of function transformations. The Arizona Standards for Algebra 1 also include applying linear models to data that exhibit a linear trend as seen through statistics. Appropriate technology will be used to enhance mathematical understanding and problem-solving skills.

Honors Algebra I

MA55H

Grades: 9-10 **College Prep:** Yes **Fee:** None

Prerequisite: Teacher recommendation and grade of 3 or 4 (B or A) in 8th grade math

Description: This course focuses on the formal definition of functions with particular emphasis on deepening and extending the understanding and application of linear, quadratic and exponential functions. Students will also graph these functions, identify key features, and make use of function transformations. The Arizona Standards for Algebra 1 also include applying linear models to data that exhibit a linear trend as seen through statistics. Appropriate technology will be used to enhance mathematical understanding and problem-solving skills.

Students who are in Honors Algebra 1 will be challenged by going beyond the homework and tests. Students will synthesize skills from critical areas to complete complex real-life application projects as well as adhere to a higher expectation of understanding and justification of their work in preparation for future advanced math classes. These projects are great learning experiences for the students to see how math goes beyond the classroom.

We understand that Honors Algebra 1 might be the first accelerated math class a student has taken so we ease them into the class and throughout the year by raising the expectations. This can be a very fun and engaging class, but it is important that a student is properly placed so that they can find success in Honors Algebra 1 that is why teacher recommendation is key.

GN Geometry

Grades: 9-12 **College Prep:** No **Prerequisite:** Teacher recommendation **Fee:** None

Description: This resource course aligns with the Arizona Standards for Geometry by extending the informal geometry work from grade 8 along with the mathematics of Algebra 1 in a rich and rigorous learning experience. The geometry course focuses on five critical areas: congruence of geometric figures based on rigid motions, similarity of geometric figures based on dilations and proportional reasoning, develop understanding of informal explanations of circumference, area, and volume formulas, proving geometric theorems, and solve problems involving right triangles. Students will be expected to explain their reasoning and critique the reasoning of others through discourse, writing and modeling. Appropriate tools and technology will be used to enhance mathematical understanding.

Geometry

MA60

Grades: 9-10 **College Prep:** Yes **Prerequisite:** Algebra 1 **Fee:** None

Description: This course aligns with the Arizona Standards for Geometry by extending the informal geometry work from grade 8 along with the formal mathematics of Algebra 1 in a rich and rigorous learning experience. The course focuses on five critical areas: congruence of geometric figures based on rigid motions, similarity of geometric figures based on dilations and proportional reasoning, develop understanding by making use of circumference, area, and volume formulas, proving geometric theorems and triangle congruence, and solving problems involving right triangles. Students will be expected to explain their reasoning and critique the reasoning of others through discourse, writing and modeling. Appropriate tools and technology will be used to enhance mathematical understanding.

Honors Geometry

MA65H

Grades: 9-10 **College Prep:** Yes **Fee:** None

Prerequisite: Teacher recommendation and completion of Algebra 1 with a B or higher

Description: This course aligns with the Arizona Standards for Geometry by extending the informal geometry work from grade 8 along with the formal mathematics of Algebra I in a rich and rigorous learning experience. The course focuses on five critical areas: congruence of geometric figures based on rigid motions, similarity of geometric figures based on dilations and proportional reasoning, develop understanding by making use of circumference, area, and volume formulas, proving geometric theorems and triangle congruence, and solve problems involving right triangles. Students will be expected to explain their reasoning and critique the reasoning of others through discourse, writing and modeling. Appropriate tools and technology will be used to enhance mathematical understanding.

Beyond the standard Geometry curriculum, students in Honors Geometry will synthesize skills from critical areas to complete complex application tasks as well as adhere to a higher expectation of understanding and justification of their work in preparation for future advanced coursework in mathematics.

Algebra II

MA70

Grades: 9-11 **College Prep:** Yes **Prerequisite:** Algebra 1 and Geometry **Fee:** None

Description: Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, radical, logarithmic, exponential, and trigonometric functions. The Algebra II course focuses on four critical areas: extending the real number system to the complex number system, solving and interpreting solutions to a variety of equations, inequalities, and systems of equations, demonstrating competency in graphing and interpreting the functions referenced above, and extending simple and compound probability calculations to conditional probability.

The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Honors Algebra II

MA75H

Grades: 9-11 **College Prep:** Yes **Fee:** None

Prerequisite: Teacher recommendation, Algebra 1, and Geometry with grades of B or higher

Description: Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, radical, logarithmic, exponential, and trigonometric functions. The Algebra II course focuses on four critical areas: extending the real number system to the complex number system, solving and interpreting solutions to a variety of equations, inequalities, and systems of equations. Demonstrating competency in graphing and interpreting the functions referenced above, and extending simple and compound probability calculations to conditional probability.

The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Beyond the standard Algebra II curriculum, students in Honors Algebra II will synthesize skills from critical areas to complete complex application tasks as well as adhere to a higher expectation of understanding and justification of their work in preparation for future Advanced Placement coursework in mathematics.

Foundations in Mathematics Concepts (FMC)

MA72

Grades: 11 **College Prep:** No **Fee:** None

Prerequisite: Teacher recommendation and Parent consent with a Personal Learning Curriculum

Description: This course is designed to fulfill the senior year math requirement for students who have a Personal Learning Curriculum on file at the school. This course will integrate traditional advanced algebra topics with real world applications and technology. A variety of skills from the areas of financial mathematics, applied mathematics, probability, and statistics will be included. Students may be expected to complete projects incorporating many of the concepts addressed throughout the year. Survey of Math is open to students in grade 12 after completing Foundation in Mathematics Concepts.

Survey of Mathematics

MA80

Grades: 12 **College Prep:** No **Fee:** None

Prerequisite: Teacher recommendation and Parent consent with a Personal Learning Curriculum

Description: This course is designed to fulfill the senior year math requirement for students who have a Personal Learning Curriculum on file at the school. This course will integrate traditional advanced Algebra topics with real world applications and technology. A variety of skills from the areas of financial mathematics, applied mathematics, probability, and statistics will be included. Students may be expected to complete projects incorporating many of the concepts addressed throughout the year.

GN Consumer Math

Grades: 9-12 **College Prep:** No **Prerequisite:** Teacher recommendation **Fee:** None

Description: This resource course will integrate traditional algebra topics with real world applications and technology with focus on the AZ Professional Skills - Financial Practices Standards. A variety of skills and

applications from the areas of financial and consumer mathematics, statistics and quantitative literacy will be included. Students may be expected to complete projects incorporating many of the concepts addressed throughout the year.

Advanced Mathematics Concepts (AMC)

MA90

Grades: 11-12 **College Prep:** Yes **Prerequisite:** Algebra II **Fee:** None

Description: This course extends the learning from Algebra II. Students will focus on deepening their understanding of polynomial, rational, radical and logarithmic and trigonometric functions. Additionally, students will learn to use matrices to solve advanced systems of equations. There is an emphasis on the standards for mathematical practice as students build the skills, both in content and in practice for continuing onto Pre-calculus or College Algebra.

College Math (Dual Enrollment)

MA85

Grades: 11-12 **College Prep:** Yes **Prerequisite:** Algebra II with a B or higher **Fee:** CCC tuition

Description: This course is designed to build student awareness and develop a positive attitude, understanding, and confidence using mathematics in the content areas of finance, growth, probability, statistics, and common applications encountered in society. This class is not recommended for students who intend to pursue a STEM degree in college. Students interested in STEM degrees should consider enrolling in Pre-Calc as this will better prepare them for STEM college degrees. The class is intended to satisfy university math requirements for most liberal arts degrees. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, MAT 140. In order to earn the college credit, students must pay the reduced tuition to CCC.

AP Pre-Calculus (Dual Enrollment)

MA89

Grades: 11-12 **College Prep:** Yes **Fee:** CCC tuition

Prerequisite: Teacher recommendation and Honors Algebra II or Algebra II with a grade of B or higher

Description: Students will extend their understanding of previously studied topics in the Algebra II curriculum such as complex numbers, functions, polynomials, rational functions, translations, exponential functions, logarithmic functions, and the trigonometry unit circle. Additionally, students will explore concepts in trigonometry (including analytic trig, and additional topics in trigonometry), conic sections, matrices and determinants, binomial expansion, vectors and applications, sequences and series. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Students will synthesize skills from critical areas to complete complex application tasks as well as adhere to a deeper level of understanding and justification of their work in preparation for future Advanced Placement coursework in mathematics. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, MAT 187. In order to earn the college credit, students must pay the reduced tuition to CCC.

AP Calculus 1 A/B (Dual Enrollment)

MA97

Grades: 11-12 **College Prep:** Yes **Prerequisite:** Pre-Calculus **Fee:** CCC tuition

Description: This course will cover first semester College Calculus and provides a study of the concepts of function, limit, continuity, derivative, integral and their applications to real-world situations. Students will synthesize skills from critical areas to complete complex application tasks as well as adhere to a higher expectation of understanding and justification of their work. Students may earn 3-6 hours college credit based on the score received on the National Advanced Placement Calculus A/B exam. All students are expected to take the exam. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, MAT 220. In order to earn the college credit, students must pay the reduced tuition to CCC.

AP Calculus 2 B/C (Dual Enrollment)

MA102

Grades: 11-12 **College Prep:** Yes **Prerequisite:** AP Calculus 1 **Fee:** CCC tuition

Description: This course will review the entire year of AP Calculus the first semester, and then will cover the second semester college calculus topics such as integration by parts, improper integrals, partial fractions, infinite series, and conics. Students will synthesize skills from critical areas to complete complex application tasks as well as adhere to a higher understanding of explanation and justification of their work. Students may earn 3-6 hours college credit based on the score received on the National Advanced Placement Calculus B/C exam. All students are expected to take the exam. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, MAT 230. In order to earn the college credit, students must pay the reduced tuition to CCC.

AP Statistics (Dual Enrollment)

MA96

Grades: 11-12 **College Prep:** Yes **Fee:** CCC tuition

Prerequisite: Teacher recommendation and B or higher in Algebra II or Honors Algebra II

Description: This course is equivalent to a non-calculus based college course in statistics. The graphical and quantitative description of data we will explore include: binomial, normal and t-distributions, one- and two-sample hypothesis tests and confidence interval and simple regression and correlation. Students will be expected to plan and conduct a study from which they will do an analysis and make statistical inferences. Students may earn 3 hours college credit depending on their score on the National Advanced Placement Statistics test. All students are expected to take the AP exam. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, MAT 160. In order to earn the college credit, students must pay the reduced tuition to CCC.

SCIENCE

High School Requirements for Science: 3 credits/years

These credits may be earned by taking any combination of our course offerings. Entrance to all three Arizona Universities encourages students to be exposed to at least three lab sciences which are to be completed in three of the four disciplines offered. The four disciplines offered are Life Science (L), Earth Science (E), Physical Science (P), and Chemical Science (C). Students bound for a 4-year university must take at least 1 from each of 3 different disciplines. AP courses count as any discipline. Besides planning for the three different disciplines, many classes have prerequisites in math and/or science for enrollment, so be certain to read the course descriptions carefully. You can use the flowchart below to help in our science course pathway.

The following letters are associated with the four different lab science disciplines on the course descriptions:

^L = Life Science

^E = Earth Science

^C = Chemical Science

^P = Physical Science

AP classes count towards any discipline

There are many pathways students can take when it comes to their science classes. To help guide students in deciding on what science pathway would be the most fulfilling and successful a guide has been included at the end of this document.

Life Science ^L

SC48

Grades: 9 **College Prep:** Yes **Lab:** Life **Prerequisite:** None **Fee:** \$15

Description: Life Science gives students a variety of science experiences that will prepare them for upper-level science lab courses. Students will be exposed to critical elements of science that require them to activate prior knowledge in order to grasp new concepts while honing skills needed for the scientific inquiry process. Learners will explore science components with an emphasis on obtaining science vocabulary, writing skills, and mathematical proficiency in preparation for success in future lab sciences. This is an entry level science for students who earned a D or 2 or lower in 8th grade science.

Earth and Space Science ^E

SC59

Grades: 9-10 **College Prep:** Yes **Lab:** Earth **Prerequisite:** None **Fee:** \$15

Description: Through a comprehensive plan of instruction students will experience a curriculum that emphasizes analytical thinking, creative inquiry and independent learning all of which are major ingredients for the scientific method. The program aims at preparing the students for life and for the more rigorous science studies. This laboratory course places an emphasis on space science, geological time scale, geology, plate tectonics, sustainability, and weather. This is an entry level science for students who earned a C or 3 or better in 8th grade science.

Biology I ^L

SC60

Grades: 9-10 **College Prep:** Yes **Lab:** Life **Prerequisite:** Algebra I **Fee:** \$15

Description: This is an introductory course in Biology in which the emphasis is placed on the student learning problem-solving methods through inquiry and laboratory activities. Topics studied include taxonomy, cell anatomy and physiology, genetics, systems, ecology, and evolution.

Honors Biology I ^L

SC65H

Grades: 9-10 **College Prep:** Yes **Lab:** Life **Prerequisite:** Teacher recommendation and Algebra I **Fee:** \$25

Description: This is an introductory course in biology for highly motivated students. Students engage in inquiry-style labs in which they define a testable question, design a plan for collecting data, and determine how to analyze and represent data. Students learn to justify claims using scientific evidence and connect knowledge of phenomena and models across domains. Topics of inquiry include an emphasis on exploration of evolution, energy, information transmission (DNA & genes), and interactions between biological systems.

Chemistry ^C

SC70

Grades: 9-12 **College Prep:** Yes **Lab:** Chemical **Prerequisite:** Algebra I and Biology I **Fee:** \$25

Description: Chemistry is a laboratory science course designed to explore matter and composition of the world. The major instructional areas are: identifying consistencies in experimental data, structure of matter as a key to chemical and physical properties, the mole concept, energy changes in matter, conservation of energy, equilibrium systems and stoichiometric relationships. Laboratory work and scientific method are emphasized. The course is designed to give students a practical foundation for everyday applications of chemistry and skills necessary for further growth in science and related fields.

Honors Chemistry ^C

SC75H

Grades: 9-12 **College Prep:** Yes **Lab:** Chemical **Fee:** \$25

Prerequisite: Teacher recommendation, Biology, and Geometry

Description: This is a laboratory course designed for the highly motivated college-bound student looking to deepen their knowledge in the sciences. This course will cover an in-depth curriculum including: atomic and molecular structure, chemical reactions, structure and states of matter, solutions, rates of chemical reactions, acids and bases, oxidation and reduction. Opportunities to experience these concepts will come through a variety of learning techniques, such as laboratory experiments, problem solving, lectures, and film. The curriculum will also include a research component (must be approved by the instructor) at a level of achievement equal to that of a student in an honors program.

AP Chemistry

SC99

Grades: 11-12 **College Prep:** Yes **Lab:** Applies to any lab discipline **Fee:** \$25

Prerequisite: Teacher recommendation, Chemistry, and Algebra II

Description: This course is offered every other year. The course will be offered on school years that start with an even school year, for example school year 2022-2023. The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. The AP Chemistry course

is designed to be taken only after the successful completion of a first course in Honors Chemistry. Topics include atomic theory and atomic structure, chemical bonding, molecular models, behavior of gases, solutions, and solids, chemical reactivity and stoichiometry, chemical kinetics, thermodynamics, and dynamic equilibrium. Approximately 25% of the course is dedicated to laboratory experiments.

Astronomy ^{E or P}

SC80

Grades: 11-12 **College Prep:** Yes **Lab:** Earth or Physical **Fee:** \$25 and CCC tuition

Prerequisite: Algebra 1 and one previous lab science

Description: “You are stardust, you are golden!” What does this mean? In the first semester, learn about the scale of our solar system, the constellations, the moon, the planets, and our sun. In the second semester, the topics include examining how astronomers know the distance and composition of stars, the Milky Way Galaxy, the Local Group of Galaxies, how stars are born, and stellar evolution. The death of stars in supernovae or black holes comes next, and the course is finished with searching for possible life on other worlds. This course is both informational and mathematical, with a required nighttime observation and a field trip to Lowell Observatory. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, PHY 180. In order to earn the college credit, students must pay the reduced tuition to CCC.

Oceanography ^E

SC58

Grades: 9-12 **College Prep:** Yes **Lab:** Earth or Life **Prerequisite:** None **Fee:** \$25

Description: This course will allow students to study the physical, chemical, and biological aspects of the ocean. Students will study exploration of the ocean from Polynesians to deep sea submersibles. They will explore the formation of the ocean basins, waves and tides, currents, weather and pollution, coral reef systems, estuaries, and much more! The spectrum of ocean life and lifestyle zones of the ocean will be studied and examined through lab activities and dissections of marine organisms. Critical analysis of coastal and oceanic degradation will be studied in marine ecology, along with the impact of humans on the marine environment and the effects of those impacts.

Physics ^P

SC88

Grades: 11-12 **College Prep:** Yes **Lab:** Physical **Prerequisite:** Algebra II **Fee:** \$25

Description: Physics is the fundamental science dealing with changes in forms of energy. The focus of this continuation content course is to discover and understand the underlying rules that govern the world around us, and then apply those rules to real-life situations. Students will learn about the fundamentals of motion, force, mechanical energy, thermodynamics, electricity, circuits, sound, and more. Opportunities to experience these concepts will come through a variety of learning techniques, such as laboratory experiments, problem solving, lectures and film.

Anatomy and Physiology ^L

SC90

Grades: 11-12 **College Prep:** Yes **Lab:** Life **Fee:** \$25 and CCC tuition

Prerequisite: Biology and Chemistry

Description: This course emphasizes the study of the structure and functions of organs of the human body, but will also include some comparative study of other organisms to investigate how their anatomy/physiology is adapted to function in their habitats. It is designed for students who are interested in pursuing careers in the health sciences. This class uses lectures and daily activities, along with select dissections to study the structure and function of the human body. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, BIO 160. In order to earn the college credit, students must pay the reduced tuition to CCC.

AP Physics I

SC91

Grades: 11-12 **College Prep:** Yes **Lab:** Applies to any lab discipline **Fee:** \$25 and CCC tuition

Prerequisite: Teacher recommendation, Algebra II, and a total of three lab science classes

Description: This lab-based course is a rigorous, college level study of motion, static and dynamic mechanics, circular motion, gravitation, work, and energy. There is a strong emphasis on laboratory experimentation and mathematical computation. Students may register for credit through Coconino Community College and/or take the AP Physics 1 exam in May. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, PHY 111. In order to earn the college credit, students must pay the reduced tuition to CCC.

AP Environmental

SC96

Grades: 11-12 **College Prep:** Yes **Lab:** Applies to any lab discipline **Fee:** \$25

Prerequisite: Teacher recommendation, Algebra II, Biology I, and Chemistry

Description: This course is designed to provide students with opportunities to gain knowledge and skills necessary to understand ecological relationships, environmental problems, and the related societal implications. As an Advanced Placement class, the course is designed to be the equivalent of a one-semester introductory college course in environmental science. Emphasis will be placed on environmental technology, oral and written communication, and preparation for the AP Environmental Science Exam. This is a rigorous science course that is recommended only for students with a superior academic record.

AP Biology

SC98

Grades: 11-12 **College Prep:** Yes **Lab:** Applies to any lab discipline **Fee:** \$25

Prerequisite: Teacher recommendation, Algebra II, Biology I, and Chemistry

Description: This AP course is comparable to a two-semester college introductory biology course. The design of this course places an emphasis on enduring conceptual understandings (as outlined by the 2012 College Board curriculum framework for biology) within the four big ideas (evolution, energy, information, and interactions). Inquiry-style labs will allow students to define and explore a testable question, design a plan for collecting data, and determine how to analyze and represent data. Students are engaged in laboratory investigations at least 25 percent of the instructional time. The laboratory experiences in this course include: physical manipulation of real materials, simulations, models, and interaction with real data (photographs, computer programs, databases, and remote sensing tools).

SOCIAL STUDIES

High School Requirements for Social Studies: 3 credits/years

All students must complete three credits of social studies through the following courses: World History, US History, American Government and Economics.

FHS also offers college-bound juniors and seniors the opportunity to earn college credit by taking Dual Enrollment US History, AP Human Geography, AP World History, AP US History, AP American Government and AP Microeconomics.

World History and Geography **SS60**

Grades: 10 **College Prep:** Yes **Prerequisite:** None **Fee:** None

Description: World History and Geography focuses on the development of human societies, migrations, interactions and global processes that have shaped history from 10,000 BCE to the present-day. The course will focus on the major civilizations of the world and the interconnectedness between them. The World History and Geography curriculum emphasizes skills in analytical and historical thinking using a chronological approach to the human past. Students will examine and analyze major events, movements, conflicts, and forces that shape the world around them through primary and secondary source material, research, evaluation, analysis, and synthesis of historical events.

AP World History **SS65**

Grades: 10 **College Prep:** Yes **Prerequisite:** English teacher recommendation **Fee:** None

Description: AP World History is a course designed to challenge students with in-depth coverage of World History topics and events from pre-history to the modern globalized world. The scope of the class is to prepare students for college level academia along with the AP exam given in the spring. Students who take this course are encouraged to take the exam through which they can earn college credit.

United States History **SS70**

Grades: 11 **College Prep:** Yes **Prerequisite:** None **Fee:** None

Description: US History will allow students to analyze our national experience through time, to recognize the relationships of events and people, and to interpret significant patterns, themes, ideas, beliefs, and turning points in Arizona and American history. The course covers the entire course of American History.

United States History (Dual Enrollment and Alpine Eligible) **SS78**

Grades: 11 **College Prep:** Yes **Fee:** CCC tuition

Prerequisite: Teacher recommendation and B or higher in World History

Description: Dual Enrollment United States History is a rigorous college course. The purpose of these courses is to provide an in-depth study of United States History from prior to European colonization of Indigenous America to the modern era. Students are expected to read, analyze and write about primary and secondary sources on a daily basis. The workload is significantly more than in the general U.S. Upon completion of each

semester, students will receive college credit (totaling 6 college credits). This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, HIS 131 and HIS 132. In order to earn the college credit, students must pay the reduced tuition to CCC.

Students interested in the Alpine Institute will complete a local/regional based National History Day (NHD) project to fulfill the requirements of the Alpine Institute, to fulfill service hour requirements.

AP United States History

SS77

Grades: 11 **College Prep:** Yes **Fee:** None

Prerequisite: Teacher recommendation and B or higher in World History

Description: AP U.S. History is designed to provide an in-depth study of United States History from its beginning roots to the modern era. It prepares students for college-level work as well as the Advanced Placement exam in the spring. All students in this course will be highly encouraged to take the exam through which they can earn college credit. Students will receive a weighted grade for this class only if they complete both terms of the course. When Students register they must sign up for both FALL and SPRING terms.

American Government and Economics

SS80 & SS90

Grades: 12 **College Prep:** Yes **Prerequisite:** None **Fee:** None

Description: The following two courses are combined for 1 full credit. Both courses are required for graduation. Students will take one course per semester.

American Government: This course is offered in the senior year as a course to better prepare the senior student for the responsibilities of the adult world. American Government investigates state and federal government in today's society and the social problems that concern each government. American Government is paired with Economics. Arizona Government is integrated into the course.

Economics: Is designed to give the student a better understanding of the American economic system. It also provides students with a realistic background for solving and understanding problems that confront the individual.

AP American Government

SS86

Grades: 12 **College Prep:** Yes **Fee:** None

Prerequisite: Teacher recommendation and B or higher in U.S. History

Description: Advanced Placement American Government is an in-depth course that offers a critical exploration of the American political process. The college level curriculum explores such topics as constitutional development, political socialization, the impact of interest groups, and interrelationship of the three branches of government. This class also prepares interested students for the Advanced Placement Government exam. This class fulfills the 12th grade American Government requirement.

AP Microeconomics

SS96

Grades: 12 **College Prep:** Yes **Fee:** None

Prerequisite: Teacher recommendation and B or higher in U.S. History

Description: Advanced Placement Microeconomics is centered on communicating economic principles and having students apply those principles to their world. Besides microeconomics, students will also be exposed to the state standards in economics such as macroeconomics, personal finance, and financial markets. The design of this course will give students who want to take the AP Micro exam in the spring foundational knowledge and skills for passing the exam.

AP Human Geography

EL96

Grades: 9-12 **College Prep:** Elective **Prerequisite:** None **Fee:** \$25

Description: AP Human Geography is a college-level course which studies the interactions between physical geography, human migration, cultures and economic relationships. The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Topics include: Population, Migration, Cultural Patterns, Political Organization, Agricultural and Rural Land Use, Industrialization and Economic Development, Cities and Urban Land Use, and much more!

MODERN LANGUAGE

High School graduation does not require students to complete the two credits of modern language. University Admissions requirement of two years in the same language. Flagstaff High School offers two languages to help fulfill the University Admissions requirements: Spanish and Navajo.

Spanish I

ML45

Grades: 9-12 **College Prep:** Yes **Prerequisite:** None **Fee:** None

Description: Two (2) years of Spanish are recommended for college-bound students who wish to achieve the language proficiency expected by most four-year colleges and universities. Levels I and II establish a foundation of communication dealing with everyday activities in meaningful cultural contexts and basic grammar. Students learn essential vocabulary, useful expressions and study Hispanic culture.

Spanish II

ML75

Grades: 9-12 **College Prep:** Yes **Prerequisite:** Spanish I **Fee:** None

Description: Two (2) years of Spanish are recommended for college-bound students who wish to achieve the language proficiency expected by most four-year colleges and universities. Levels I and II establish a foundation of communication dealing with everyday activities in meaningful cultural contexts and basic grammar. Students learn essential vocabulary, useful expressions and study Hispanic culture.

Spanish II (Dual Enrollment)

ML77

Grades: 9-12 **College Prep:** Yes **Prerequisite:** Spanish I with a B or higher **Fee:** CCC tuition

Description: Two (2) years of Spanish are recommended for college-bound students who wish to achieve the language proficiency expected by most four-year colleges and universities. Levels I and II establish a foundation of communication dealing with everyday activities in meaningful cultural contexts and basic grammar. Students learn essential vocabulary, useful expressions and study Hispanic culture. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, SPA 101 and SPA 102. In order to earn the college credit, students must pay the reduced tuition to CCC.

Spanish III

ML92

Grades: 10-12 **College Prep:** Yes **Prerequisite:** Spanish II with a C or higher **Fee:** None

Description: In Spanish III students learn advanced grammatical structures and improve their oral proficiency skills. Level III is designed to prepare students for admission to AP Spanish Language and Culture.

AP Spanish Language and Culture

ML97

Grades: 11-12 **College Prep:** Yes **Fee:** None

Prerequisite: Teacher recommendation and Spanish III with a C or higher

Description: Advanced Placement Spanish Language and Culture is for those students who have completed Spanish III and want to develop proficiency in listening, speaking, reading, and writing through authentic

sources and materials. College credit is awarded by most universities for those students who pass the AP exam with a score of 3 or higher. A passing score meets the language requirements for most university majors. This will save time and money!

Spanish for Spanish Speakers I

ML105

Grades: 9-12 **College Prep:** Yes **Prerequisite:** Teacher recommendation **Fee:** None

Description: Spanish for Spanish Speakers I and II are courses designed to meet the particular needs of heritage/native learners. These courses are specifically for heritage/native speakers of Spanish who already have some oral language proficiency. The purpose of these courses is to strengthen the cultural and linguistic skills of Spanish heritage learners. After the successful completion of the two-year program, students are eligible to be enrolled into AP Spanish Language and Culture. This course will allow students to fulfill the college entrance requirement for foreign language and take the ACTFL Assessment of Performance toward Proficiency in Languages (AAPPL) to earn the by-literacy seal. Students will be placed in this course with teacher recommendation.

Spanish for Spanish Speakers II

ML106

Grades: 10-12 **College Prep:** Yes **Prerequisite:** Teacher recommendation **Fee:** None

Description: Spanish for Spanish Speakers I and II are courses designed to meet the particular needs of heritage/native learners. These courses are specifically for heritage/native speakers of Spanish who already have some oral language proficiency. The purpose of these courses is to strengthen the cultural and linguistic skills of Spanish heritage learners. After the successful completion of the two-year program, students are eligible to be enrolled into AP Spanish Language and Culture. This course will allow students to fulfill the college entrance requirement for foreign language and take the ACTFL Assessment of Performance toward Proficiency in Languages (AAPPL) to earn the by-literacy seal. Students will be placed in this course with teacher recommendation.

Navajo I

ML40

Grades: 9-12 **College Prep:** Yes **Prerequisite:** None **Fee:** None

Description: The students learn Dine' bizaad at all levels by listening, speaking, reading, writing, and role-playing. In level 1, they learn basic vocabulary and useful expressions. Students are introduced to Navajo culture and history.

Navajo II (Dual Enrollment)

ML70

Grades: 10-12 **College Prep:** Yes **Prerequisite:** Navajo I **Fee:** CCC Tuition

Description: In level II, students increase their verbal proficiency and study syntax and grammar. Students are also immersed in Dine' pragmatics, play writing and literature development. Students are expected to successfully complete Level I course with a C or better before progressing to Level II. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, NAV 101 and NAV 102. In order to earn the college credit, students must pay the reduced tuition to CCC.

Dine' History and Government

EL54

Grades: 11-12 **College Prep:** Elective **Prerequisite:** None **Fee:** None

Description: Dine' History and Government, a survey course, deals with the political, social and economic development that influences tribal, state, and federal government. The curriculum explores Dine' culture, treaties, constitutional development, and political socialization. Students will learn essential vocabulary, geography, mythology and arts on a broad variety of topics dealing with daily life. Opportunities to gain knowledge about native astronomy, medical herbology, ecological relationships, environmental concerns, and related societal implications will be explored. Analysis of major strategies and personalities involved in the Mexican/Indian Wars, the Long Walk, Navajo Code Talkers and Dine' Veteran's contributions to World War II will be emphasized. Introduction to the Dine' legal system and contemporary legal issues will be discussed. This course is required for students applying for the Navajo Nation Chief Manuelito Scholarship.

FINE & PERFORMING ARTS

High School Requirement of Fine Arts or Career and Technical Education (CTE): 1 credit/year

Flagstaff High School offers a wide range of both Fine Arts and CTE courses for students to fulfill the High School/College requirement. Under each title check to see if the course meets either the Fine Arts or the CTE credit requirement.

Art I

AR50 & AR55

Grades: 9-12 **College Prep:** Fine Art **Prerequisite:** None **Fee:** \$30

Description: The following two courses are combined for 1 full fine arts credit. Students will take one course per semester.

Drawing (Fall Semester): This is an entry level art course that will introduce students to the basic fundamentals of art. This course focuses on learning how to draw through the use of techniques such as contour, freehand, perspective, and shading. Elements and principles of design as well as the study of artists throughout history are emphasized. This course fulfills .5 credit of fine arts for college admissions. Art 1 is a prerequisite for the Advanced Art/Drawing and Painting courses.

Ceramics/Sculpture (Spring Semester): The student learns skills in various sculpture and ceramics techniques. Students perform at their own proficiency level in each area, and increase their knowledge of basic art design and art history. 3D drawing, hand-building, potter's wheel, glazing, and decorating techniques are included.

Art II

AR60 & AR65

Grades: 10-12 **College Prep:** Fine Art **Prerequisite:** Art I **Fee:** \$30

Description: The following two courses are combined for 1 full fine arts credit. Students will take one course per semester.

Advanced Drawing (Fall Semester): Details & Shading (Pencils, Charcoals, Dry Pastels, Oil Pastels) Knowledge and effective use of skillful techniques that focus on the elements and principles of design, as well as knowledge of influential artists throughout history is emphasized and studied.

Advanced Painting (Spring Semester): Color Theory, Blending, & Values (Paints: Tempra, Acrylic, Watercolor) Knowledge and effective use of skillful techniques that focus on the elements and principles of design, as well as knowledge of influential artists throughout history is emphasized and studied.

AP Studio Art

AR70

Grades: 11-12 **College Prep:** Fine Art **Prerequisite:** Teacher recommendation and Art II **Fee:** \$30

Description: AP Studio Art has been developed to accommodate serious art students who have expressed an interest in completing the AP Drawing Portfolio or the AP 2-D Design Portfolio. Through studio practice,

application of design concepts, and informed decision-making, these students will assemble a body of artwork that demonstrates a high level of quality and growth over time of content, technique, and process. Students will investigate all three parts of their portfolios as required by the AP College Board: Quality, Concentration, and Breadth. All artwork will be documented throughout the year by digital photos and PowerPoint.

Concert Choir (Dual Enrollment)

MU60

Grades: 9-12 **College Prep:** Fine Art **Prerequisite:** None **Fee:** \$25 and CCC Tuition

Description: Concert choir is the entry-level choir open to singers of all grade levels and abilities. Students learn appropriate and healthy vocal technique for a variety of styles and time periods. Rhythmic literacy is taught using the takadimi method and tonal literacy is developed through solfege. Strong focus on music theory and independent musicianship. *No audition necessary - no experience necessary.* This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, MUS 120. In order to earn the college credit, students must pay the reduced tuition to CCC.

Chamber Choir – Choraliers (Dual Enrollment)

MU70

Grades: 9-12 **College Prep:** Fine Art **Prerequisite:** Audition required **Fee:** \$25 and CCC Tuition

Description: Choraliers is a select, advanced vocal ensemble that prides itself on performing throughout the school year and throughout the community of Flagstaff. Choraliers functions as a varsity group, representing the school at various festivals and events. Rhythmic literacy is developed using the takadimi method and tonal literacy is developed through solfege. Strong focus on music theory, independent musicianship and ensemble performance. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, MUS 120. In order to earn the college credit, students must pay the reduced tuition to CCC.

AP Music Theory (Dual Enrollment)

MU95

Grades: 10-12 **College Prep:** Fine Art **Fee:** \$25 and CCC Tuition

Prerequisite: - Audition required and DE Intro to Music Theory completion (with a grade of a C or better) or successful completion of entrance exam. DE Intro to Music Theory is available through enrollment in the following classes: Piano 1, Piano 2, Concert Choir or Chamber Choir (Choraliers).

Description: AP Music Theory is a college-level music theory course. Students cultivate their understanding of music theory through analyzing performed and notated music as they explore concepts like pitch, rhythm, form, and musical design. Skill development includes melodic and harmonic dictation, sight-singing, visual and aural score analysis, part writing, realization of figured bass and harmonization of a melody. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, MUS 145. In order to earn the college credit, students must pay the reduced tuition to CCC. **The course is offered as a “Zero Hour” course from 7:00-7:55 in the morning.**

Guitar I (Dual Enrollment)

MU50

Grades: 9-12 **College Prep:** Fine Art **Prerequisite:** None **Fee:** None

Description: The guitar class fulfills graduation requirements for Fine Arts and may be repeated for elective credit. This course is designed for any student who would like to learn the basics of playing guitar. No previous experience is required. Students are expected to provide their own instrument (acoustic or electric). Acoustic

guitars are preferred. There are a very limited number of school owned instruments available for loan in extenuating circumstances. Chording, note reading, and ensemble playing are all included as part of the curriculum. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, MUS 100. In order to earn the college credit, students must pay the reduced tuition to CCC.

Marching Band / Concert Band

MU80 & MU85

Grades: 9-12 **College Prep:** Fine Art **Prerequisite:** 2 years of experience **Fee:** \$80 and AIA fee

Description: The Marching Band/Concert Band class fulfills graduation requirements for Fine Arts as well as PE (students are still required to complete a 0.5 Health credit). The course may be repeated for elective credit. This course is designed for those students who have at least 2 years of an instrumental background in a middle school program and are interested in continuing towards mastery of a wind or percussion instrument.

This unique course is considered a hybrid course between an academic and an athletic. The Flagstaff Eagle Pride Marching Band is part of the FHS Athletic Department as well as the Performing Arts department. This means students will have commitments outside of class that will impact their grade including after school rehearsals, concerts, and summer Band Camp. These commitments are mandatory to be in the class.

IMPORTANT: *Students should reserve the two weeks prior to the first day of school for the mandatory Marching Band Camp Session.*

This course may involve outside costs if either renting or buying an instrument. A limited number of school instruments are available for rental. Please contact the instructor for details. Students will be charged a school fee for equipment and uniform needs. As part of the FHS Athletic Department, the class will pay the AIA fee of \$150.00 per student (cap of \$225 for multiple students). This fee covers travel costs and entry fees for competitions. Students will continue towards mastery of basic techniques of any band instrument as well as continue practice on note reading, rhythm, and music theory.

Music Performance Lab

Grades: 9-12 **College Prep:** Fine Art **Prerequisite:** Enrolled in Band/Color Guard **Fee:** None

Description: Music Performance Lab is a companion class to Band and Color Guard. Students who participate in marching band are automatically double enrolled to account for the time they spend in outside of the school day rehearsals. After marching band is completed in the fall pep band for sports takes over. For any questions regarding this course please contact Dr. Mc at rmcenaney@fUSD1.org.

Color Guard (Marching Band)

MU91

Grades: 9-12 **College Prep:** Fine Art **Prerequisite:** None **Fee:** \$80 and AIA fee

Description: The Color Guard class fulfills graduation requirements for Fine Arts as well as PE (students are still required to complete a 0.5 Health credit). The course may be repeated for elective credit. This course has no prerequisites and is open to all. No previous experience required.

This unique course is considered a hybrid course between an academic and an athletic. The Flagstaff H.S. Eagle Pride Marching Band (of which the Color Guard is a section) is part of the FHS Athletic Department as well as the Performing Arts department. This means students will have commitments outside of class that will impact

their grade including after school rehearsals, concerts, and summer Band Camps. These commitments are mandatory to be in the class.

IMPORTANT: Students should reserve the two weeks prior to the first day of school for the mandatory Color Guard Camp Session.

Students will be charged a school class fee for equipment and uniform needs. As part of the FHS Athletic Department, everyone in the marching band and Color Guard class will pay the required AIA fee of \$150.00 per student (cap of \$225 for multiple students). This fee covers travel costs and entry fees for competitions. Students will continue towards mastery of basic dance and equipment techniques throughout fall and spring semesters.

Orchestra (Symphonic Orchestra – Strings)

MU75

Grades: 9-12 **College Prep:** Fine Art **Prerequisite:** 2 years of experience **Fee:** \$50

Description: The Symphonic Orchestra class fulfills graduation requirements for Fine Arts and may be repeated for elective credit. This course is designed for those students who have at least 2 years of an instrumental background in a middle school program and are interested in continuing towards mastery of an orchestral string instrument. Beginning students are welcome, but you must contact the instructor for details. Strings: Violins, Violas, Cellos, Basses

This course may involve outside costs if either renting or buying an instrument. A limited number of school instruments are available for rental. Please contact the instructor for details. Students will be charged a school fee for equipment, uniform, and travel needs. Students will continue towards mastery of basic techniques of any stringed instrument as well as continue practice on note reading, rhythm, and music theory.

Piano Keyboard I (Dual Enrollment)

MU87

Grades: 9-12 **College Prep:** Fine Art **Prerequisite:** None **Fee:** \$25 and CCC Tuition

Description: Piano Keyboard 1 focuses on the development of keyboard playing skills. This course covers a broad range of skills and knowledge designed to assist the student in becoming a life-long musician for personal enjoyment. Rhythmic literacy is taught using the takadimi method and tonal literacy is developed through solfege. Strong focus on music theory and independent musicianship. No experience is necessary. Students who have keyboard experience should audition for Piano 2. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, MUS 120. In order to earn the college credit, students must pay the reduced tuition to CCC.

Piano Keyboard II (Dual Enrollment)

MU88

Grades: 9-12 **College Prep:** Fine Art **Fee:** \$25 and CCC Tuition

Prerequisite: Piano 1 with a grade of a C or better or by audition

Description: Piano Keyboard II focuses on the continued development of keyboard playing and musicianship skills. Rhythmic literacy is taught using the takadimi method and tonal literacy is developed through solfege. Strong focus on music theory and independent musicianship. Additional topics include improvisation, composition, styles, music history and ensemble playing. This course offers an opportunity to earn dual

enrollment credit for FHS and Coconino Community College, MUS 120. In order to earn the college credit, students must pay the reduced tuition to CCC.

Jazz Band (Dual Enrollment)

MU90

Grades: 9-12 **College Prep:** Fine Art **Prerequisite:** **Fee:** \$25 and CCC Tuition

Description: Jazz Band is an instrumental ensemble focused on the study and performance of jazz music (all styles). Students are required to have an intermediate skill level on their instrument - this is NOT a class for beginners. Students are expected to play an instrument that is part of a traditional jazz ensemble: trumpet, trombone, saxophone, clarinet, bass, piano, drums or guitar. Strong emphasis on improvisation and music theory. Dual Enrollment options for this class may include Intro to Music Theory and/or Jazz History and Literature. Jazz Band currently meets zero hour (starting at 7 am) and participating students need to arrange their own transportation.

Theatre Arts I

TH50

Grades: 9-12 **College Prep:** Fine Art **Prerequisite:** None **Fee:** \$15

Description: Theatre Arts I introduces the basics of theatre as well as the non-performance aspects of technical theatre. The course includes theatre history, scriptwriting, roles of stagehands, lighting, costume, make-up, set design, improv, and traditional acting. Elements of teamwork, evaluation, scene work, acting, characterization, and play production are incorporated throughout the year. This course includes a technical theater component, and opportunities for students to work backstage on school productions including plays and musicals.

Theatre Arts II

TH55

Grades: 10-12 **College Prep:** Fine Art **Prerequisite:** Theatre I **Fee:** \$15

Description: This course lays the foundation for studying the discipline and art of acting, through exercises, games, reading, discussion, scene work, and analysis. We will clarify the necessity of learning the craft of acting, which requires a discipline commitment to voice, speech training, movement training, and an intellectual rigor in dissecting text. We will focus on the work of the Ensemble above all, cultivating the unique spirit of collaboration that is inherent in the theatre. Students will be introduced to the basic concepts of acting, and will explore and apply these concepts through classroom exercises and performance. Students will begin to analyze text and the actor's role in storytelling, including connecting the specifics of text analysis to the emotional and physical portrayal of a role, and reinforce a spirit of generosity, curiosity, compassion, and courage as we work to build an Ensemble. The course may be repeated for elective credit.

CAREER & TECHNICAL EDUCATION

High School Requirement of Fine Arts or Career and Technical Education (CTE): 1 credit/year

Flagstaff High School offers a wide range of both Fine Arts and CTE courses for students to fulfill the High School/College requirement. Under each title check to see if the course meets either the Fine Arts or the CTE credit requirement.

College and Career Readiness Rotation (CCR) CT00

Grades: 9 **College Prep:** CTE credit **Prerequisite:** None **Fee:** None

Description: The College and Career Ready Rotation (CCR) is designed as a foundational class that allows students the opportunity to explore the following categories of skills: Life Skills (skills for personal living), Soft Skills (skills for seeking and keeping a job) and Technical Skills (the specific skills required for a career). Our mission throughout each of the rotation courses is to continually teach and reinforce the importance of learning, using and growing in each of the three categories of skills. The areas of study may change due to scheduling factors, but students can expect to take at least six classes from our Career and Technical Education options.

Education Professions CT150

Grades: 9-12 **College Prep:** CTE credit **Prerequisite:** None **Fee:** \$30

Description: The Education Professions program is designed to prepare students for employment and/or postsecondary opportunities in the field of education. The program provides instruction in education career choices, education structure and systems, theories, history, pedagogy, developmental stages, learning styles and instructional methods. The Education Professions program also provides interactive experiences with students at different age levels in a variety of content areas in different educational environments. Education Professions is designed to articulate with the Introduction to Education courses at the community college level as well as paraprofessional preparation programs. In addition to technical skills, students completing this program will develop advanced critical thinking skills, enhanced academic skills, develop civic responsibility, and comprehend the stages of human development and their impact on learning in the classroom. The Education Professions program is designed and delivered as a coherent sequence of school-based and work-based supervised learning. The Professional Skills developed by business and industry leaders across Arizona are integrated throughout the program. Education Professions students also develop leadership, social, civic, and career skills through their participation in the state-recognized Career and Technical Student Organization, Educators Rising.

Law and Public Safety CT120

Grades: 10-12 **College Prep:** CTE credit **Prerequisite:** None **Fee:** \$30

Description: This course focuses on organization and jurisdiction of local, state, and federal law enforcement, judicial and corrections systems, terminology, and constitutional limitations of the system. Students will develop problem solving techniques, apply forensic investigative techniques to case studies, an understanding of criminal justice vocabulary, study the impact which juvenile justice and corrections has had on the American

public, and much more. Lastly, students will develop leadership and employability skills that they can apply outside of high school.

DCE – Work Based Learning

CT115

Grades: 11-12 **College Prep:** CTE Credit **Fee:** None

Prerequisite: Concentrator/Completer in any CTE Program. Non-CTE students by approval.

Description: The Diversified Cooperative Education (DCE) is a course that utilizes classroom and workplace experience to teach and develop employability skills as found in the Arizona Professional Skills as well as practical application of technical skills acquired via a CTE program. In other words, students earn high school credit by applying the skills they learned in their CTE courses in the workforce, earning credit while being paid! Additionally, students will participate in a variety of postsecondary-related exploratory and research opportunities. Students are responsible for securing their own employment (for which release time will be granted), and providing their own transportation to the workplace. To be eligible for full credit, students must accrue a minimum of 120 hours of approved work experience and earn a “C” or better in the 60-hour professional skill building curriculum by the end of the course. This course may be repeated for credit.

Examples of what this could look like:

- **Culinary:** Cook, front of the house, grocery store, bakery, hotel/convention center, food blogger, etc.
- **Child Development:** Daycare, preschool, after school kids’ program, working in FUSD elementary schools, etc.
- **Automotive:** Auto shop, body shop, dealership, oil and lube shop, etc.
- **Welding:** Construction, fabrication shops, structural steel, any job requiring metal work
- **Woodworking:** Construction, carpenter internship, any work requiring wood work
- **Sports Medicine:** Internship with Sports Med III qualifies, work health/medicine field
- **Photography:** Photographer for a business, videographer, marketing, photojournalist, etc.
- **Graphic Design:** Web design, photo editing, advertising, etc.
- **Business:** This can be very broad and should be communicated with your Business teacher
- **Fashion:** The most common for our students is working retail store or merchandising
- **Computer Science:** This can be very broad and should be communicated with your Computer Science teacher but any type of job that involves computer science like: Web design, IT support, help desks, etc.

CULINARY ARTS

Introduction to Culinary Arts

CT19

Grades: 9-12 **College Prep:** CTE Credit **Prerequisite:** None **Fee:** \$60

Description: This course is an entry-level class providing basic principles in food science, food safety, and food preparation. It is designed to introduce students to fundamental food preparation terms, concepts, and methods in Culinary Arts; laboratory practice will support classroom instruction/learning. Essential terminology, knowledge and skills/techniques are covered with an emphasis on basic kitchen safety, sanitation, equipment maintenance, and operation procedures. There will be reading, writing, and other classroom assignments that precede lab activities. Students will learn the following skills: kitchen safety and

sanitation, how to read a recipe, measuring and mixing techniques, basic cooking techniques, kitchen equipment identification and use, cutlery skills, beginning baking, and nutrition.

Culinary Arts I

CT06

Grades: 10-12 **College Prep:** CTE Credit **Prerequisite:** Introduction to Culinary Arts **Fee:** \$60

Description: This course provides “hands-on” training for students interested in a job in the foods industry. Students obtain a Food Handlers’ card from the Coconino County Health Department and assume the responsibility for running the Eagle’s Nest Café, a licensed restaurant and bakery. Skills are developed in planning, preparing, marketing and serving meals.

Culinary Arts II

CT07

Grades: 11-12 **College Prep:** CTE Credit **Fee:** \$60

Prerequisite: Teacher recommendation and Culinary Arts I with a grade of **C** or higher

Description: This course is a continuation of skills learned in Culinary Arts I. Second-year students work as kitchen managers in planning and preparing meals in Eagles’ Nest kitchen. Students receive their Food Manager’s Card from the Coconino County Health Department or ServSafe National Certification as well as learn advanced skills in a state-of-the art kitchen. Students may compete in CCAP, FCCLA and various other culinary competitions to earn college scholarships.

Introduction to Pastry and Baking

CT20

Grades: 11-12 **College Prep:** CTE Credit **Fee:** \$60

Prerequisite: Teacher recommendation and Culinary Arts II with a grade of **C** or higher

Description: This course is an advanced baking course for students who are interested in a possible baking/pastry career or a great foundation in baking as a life skill. This is a transition class from basic kitchen baking to advanced baking concepts in a state-of-the-art culinary lab.

Culinary Arts III

CT92

Grades: 11-12 **College Prep:** CTE Credit **Fee:** \$60

Prerequisite: Teacher recommendation and Culinary Arts II with a grade of **B** or higher

Description: This class is for anyone who might be interested in owning their own business in any aspect of food or wish to focus on advancing their baking skills. Culinary skills and business skills will be taught throughout this class. Classroom facsimiles—the closest possible to running your own business. The 2017-2018 school year provided for a barista program which is a true Flagstaff High School entrepreneurship. Students are responsible for coffee creations, baking, delivery, and costing items for the program. Requires a student with initiative and self-motivation.

Culinary Competition Skills

CT24

Grades: 11-12 **College Prep:** CTE Credit **Fee:** \$60

Prerequisite: Teacher recommendation and Culinary Arts II with a grade of **B** or higher

Description: This course is designed for advanced culinary students who desire a culinary career and want to compete to earn college scholarships in these varied areas. Potential careers may include: Chef,

Hotel/Restaurant Management, Food Photographer, Food Blogger, Food Marketing, Event Planner, Nutrition, Human Resources Manager, and Food & Beverage Manager. Students learn organizational skills and advanced culinary technical skills in order to attend competitions to earn college scholarships.

EARLY CHILDHOOD EDUCATION DEVELOPMENT

Early Childhood Education / Child Development I

CT16

Grades: 9-12 **College Prep:** CTE Credit **Prerequisite:** None **Fee:** \$25

Description: This course studies early childhood development. Units include ages and stages of development, safety, health, meal planning, story-telling, art activities, and puppetry. Students will develop skills to meet the needs and abilities of young children; birth to five years of age. Observations and experiences are completed in the Eagles Crest KIDS Center, the FHS licensed child care center. Students must complete a 7-hour First Aid and CPR/AED training that will be offered in class. Once successfully completed, students will receive certification credentials and are able to spend class time volunteering in the Eagles Crest Kid's Center. Certifications offered at no cost to the student: CPR / First Aid and Food Handlers

Early Childhood Education / Child Development II

CT17

Grades: 10-12 **College Prep:** CTE Credit **Prerequisite:** Child Development I **Fee:** \$25

Description: This course is the continued study of Early Childhood Development I. Emphasis will be on preparation for the Child Development Associate (CDA) Certification. Students must have received their First Aid and CPR credentials to spend class time volunteering within the Child Care Lab. Once First Aid and CPR are successfully completed, students will be able to receive certification credentials for volunteer hours in the Eagles Crest Kid's Center. Certifications offered at no cost to the student: CPR /First Aid and Food Handlers

Early Childhood Education / Child Care Lab III

CT18

Grades: 11-12 **College Prep:** CTE Credit **Prerequisite:** Child Development II **Fee:** \$25

Description: This course will prepare students for a career working with children. Students will have hands-on opportunities working in a State of Arizona licensed child care center. Students will also be able to volunteer in the Eagle Crest KIDS Center caring for children, assisting in lessons, field trips, and recognizing the developing needs and abilities of young children. Students will be working towards credentials that will prepare them to be workforce ready upon high school graduation. Certifications offered at no cost to the student: CPR / First Aid, Food Handlers, CDA (Child Development Associate Credential), ParaProfessional Exam.

TRADE AND INDUSTRY

Automotive Technology I

CT53

Grades: 10-12 **College Prep:** CTE Credit **Prerequisite:** None **Fee:** \$40

Description: This class is vocational in nature and designed to prepare students to work in the automotive industry or a related field. Students receive instruction in safety and shop procedures. They are given instruction in basic automotive fundamentals, maintenance procedures, and repair operations. In this course

students will use common hand tools, equipment, and specialized automotive power tools and test equipment. Students will be a member of SkillsUSA.

Automotive Technology II

CT81

Grades: 10-12 **College Prep:** CTE Credit **Prerequisite:** Automotive I **Fee:** \$40

Description: Auto Mechanics II is a continuation of the Auto Mechanics I class with more emphasis on live repair work in the shop. Students will diagnose and repair cars. Students will be a member of SkillsUSA.

Automotive Technology III

CT83

Grades: 11-12 **College Prep:** CTE Credit **Prerequisite:** Automotive II **Fee:** \$40

Description: Auto Mechanics III is a continuation of Auto Mechanics II with more shop experience and self-directed application of prior knowledge. Students will be a member of SkillsUSA.

Engineering

CT80

Grades: 9-12 **College Prep:** CTE Credit **Fee:** \$30

Prerequisite: Algebra 1 with a “3 or B” or higher. Since this class uses advanced computer, math, and programming skills. Experience in these areas is encouraged to be successful in this class.

Description: Students will learn to use Solidworks Computer Aided Drafting (CAD), JAVA computer programing, Lightburn laser cutting software and Cura 3D printing software. These abilities will allow students to use 3D printers, Laser Cutters, and CNC machines to create parts from scratch. Students will also learn how to use various tools and other parts to construct and enhance our fleet of robots. Students are also encouraged to pursue projects of their own.

The Engineering Sciences program is designed to develop students’ understanding of engineering problem-solving and design practices. The program will prepare students to apply fundamental scientific and mathematical laws and principles relevant to engineering and technology. Students will learn to apply Science, Technology, Engineering, and Math (STEM) concepts to current technologies and tools as they learn about the different disciplines and opportunities within the fields of engineering. The program is designed and delivered as a coherent sequence of experiences using technical instruction, academic foundations, and experiential learning. This will enhance their skills through good communication, teamwork, leadership, and personal development.

Welding I (Dual Enrollment)

CT49

Grades: 10-12 **College Prep:** CTE Credit **Prerequisite:** None **Fee:** \$40

Description: The purpose of this course is to teach the student basic fundamentals of common welding processes. The processes covered are oxyacetylene cutting, shielding metal arc “stick” welding, gas metal arc “MIG” welding and flux cored arc welding. Students will use standard industrial welding tools, materials and equipment while learning in an applied setting. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, WLD 102. In order to earn the college credit, students must pay the reduced tuition to CCC.

Welding II (Dual Enrollment)

CT62

Grades: 11-12 **College Prep:** CTE Credit **Prerequisite:** Welding I **Fee:** \$40 and CCC Tuition

Description: This class will allow the students to further develop the skills they learned in Welding I. Students will be members of SkillsUSA. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, WLD 106. In order to earn the college credit, students must pay the reduced tuition to CCC.

Welding III

CT63

Grades: 11-12 **College Prep:** CTE Credit **Prerequisite:** Welding II **Fee:** \$40

Description: Students in Welding III will continue to develop their skills in the field of welding. Completing a certification course aligned with the American Welding Society will be incorporated into the class. S.E.N.S.E (Schools Excelling through National Skills Education) curriculum completers will test to become a certified welder. Students in this class will be SkillsUSA members.

Competitive Welding

CT68

Grades: 11-12 **College Prep:** CTE Credit **Prerequisite:** Teacher recommendation **Fee:** \$40

Description: Students in this class will be concurrently enrolled in either a Welding II or Welding III class. Students will have the opportunity to compete and participate in various welding competitions through student organizations like SkillsUSA. Competitions will be individual and team events with emphasis on simulating real world experiences found in the welding industry.

Woodworking I

CT69

Grades: 10-12 **College Prep:** CTE Credit **Prerequisite:** None **Fee:** \$40

Description: The purpose of this course is to teach the student the fundamentals of general woodworking. Students will use modern-day equipment and tools to aid in the successful completion of a core project in an applied setting of traditional woodworking.

Woodworking II (Dual Enrollment)

CT84

Grades: 11-12 **College Prep:** CTE Credit **Prerequisite:** Woodworking I **Fee:** \$40 and CCC Tuition

Description: Woodworking II is a course designed for the student to become familiar with production concepts used in modern industry while further developing their own skills and knowledge in woodworking. The student's project work will mainly consist of their dedication and involvement in creating a mock corporation, emphasizing the production of fine quality furniture products. Students will also be a member of SkillsUSA. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, CTM 115. In order to earn the college credit, students must pay the reduced tuition to CCC.

Cabinetmaking (Woods III)

CT75

Grades: 11-12 **College Prep:** CTE Credit **Prerequisite:** Woodworking II **Fee:** \$40

Description: Cabinetmaking is an opportunity to learn advanced skills in the area of cabinetmaking. Students will be able to increase their knowledge of design and construction in the field of woodworking. Students will be able to join and compete in SkillsUSA.

SPORTS MEDICINE

Sports Medicine I

CT73

Grades: 10-12 **College Prep:** CTE Credit **Prerequisite:** Health **Fee:** \$30

Description: Sports Medicine is intended for students who have an interest in Sports Medicine, a similar health care profession, or to learn how to care for athletic injuries. Topics include gross anatomy, taping and wrapping, prevention of athletic injuries, treatment of athletic injuries, CPR/ Firsts Aid Certification through Red Cross and administration of an Athletic Training program. Must have a C or better to move on to Sports Medicine II. Must have a B or better to be interviewed for the Internship course.

Sports Medicine II (Dual Enrollment)

CT74

Grades: 11-12 **College Prep:** CTE Credit **Prerequisite:** Sports Medicine I **Fee:** \$30 and CCC tuition

Description: Sports Medicine II is intended for students who have successfully completed Sports Medicine I and would like to further their education in health care. Topics include Emergency Medical Responder certification, advanced medical terminology and evaluation techniques, applying vital signs to fitness plans, application and understanding of therapeutic modalities, rehab development, crutch fitting, advanced physiology and anatomy and more. This course is also for those that may be interested in assisting in the Athletic Training room as a student aide. Must have a B or better to be interviewed for the Internship course. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, AHS 131. In order to earn the college credit, students must pay the reduced tuition to CCC.

Sports Medicine III - Internship

CT99

Grades: 11-12 **College Prep:** Elective **Fee:** \$30

Prerequisite: Sports Medicine II with a B or better to be interviewed for the Internship course.
Full year or one semester elective that is completed after school (9th hour).

Description: Sports Medicine Internship is for students that have completed Sports Medicine I and Sports Medicine II or are currently enrolled in Sports Medicine II. Due to limited space, the student must interview and be accepted in the program. This course would be intended for those that want to assist as an Athletic Training Student Aide in the FHS Athletic Training Room. Therefore, it would involve volunteer hours after school (at least 5-8 hours a week depending on the sport season).

The curriculum involves advanced practice in skills the students were introduced to in Sports Medicine I and Sports Medicine II, as well as anatomy and medical terminology study. The students would also be expected to be an active participant in the Health Occupations Student Association (HOSA) by taking a leadership role and/or by attending a state conference and taking at least one exam to compete in HOSA events.

GRAPHIC COMMUNICATION

Digital Photography I

CT127

Grades: 9-12 **College Prep:** Fine Art or CTE Credit **Prerequisite:** None **Fee:** \$30

Description: Complete your Fine Arts or CTE credit through the viewfinder of a digital camera. This course introduces students to the basic tools and processes of digital photography through DSLR camera functions, composition and photo correction. Adobe Creative Suite (Photoshop and Bridge) programs will be used to prepare students in the Photography field.

Digital Photography II

CT128

Grades: 10-12 **College Prep:** Fine Art or CTE Credit **Prerequisite:** Digital Photo I **Fee:** \$30

Description: Advanced digital camera operation and processes of digital photography including: lighting, composition, equipment, editing, and software are the focus of this course. Through weekly photo assignments (portraiture, studio lighting, black and white, nature, object/product, etc.) students will photograph, scan, edit, and print images for professional presentation. Adobe Creative Suite CS6 (Photoshop, Bridge and Lightroom) programs will be used to prepare students in the Photography field.

Digital Photography III

CT129

Grades: 11-12 **College Prep:** Fine Art or CTE Credit **Prerequisite:** Digital Photo II **Fee:** \$30

Description: This is the most advanced Digital Photography class offered at FHS. The focus of this course will be developing skills to produce larger projects both photographically and through Photoshop and other digital Software techniques. Students will learn critique skills and how to produce cohesive bodies of work. Printing and mounting techniques for gallery presentation will also be explored. The ins and outs of the Photography world will be studied to ensure that students are industry ready upon graduation. Adobe Creative Suite CS6 (Photoshop, Bridge and Lightroom) programs will be used to prepare students in the Photography field.

Graphic Design I

CT96

Grades: 9-12 **College Prep:** Fine Art or CTE Credit **Prerequisite:** None **Fee:** \$30

Description: Graphic Design I provides an exploration into the world of visual communication, digital illustration and design. Students will use Photoshop, Illustrator and other Adobe programs to make visually appealing graphics, social media reels, logos, magazine covers, digital artwork, websites, stickers and t-shirt designs informed by the fundamental elements and principles of graphic design. Students will be certified in Adobe Illustrator through the ACA Certification Exam.

Graphic Design II

CT97

Grades: 10-12 **College Prep:** Fine Art or CTE Credit **Prerequisite:** Graphic Design I **Fee:** \$30

Description: Graphic Design II is an in-depth exploration into the world of visual communication, digital illustration and design. Students will use Photoshop, Illustrator and InDesign to create graphics, layouts, logos, infographics, magazine covers, digital artwork, websites, stickers and t-shirt designs informed by the fundamental elements and principles of graphic design. Students will be certified in Adobe Photoshop through the ACA Certification Exam.

FHS Screen Printing T-Shirt Printing Internship **CT98**

Grades: 11-12 **College Prep:** Elective **Prerequisite:** Graphic Design I **Fee:** \$30

Description: This class provides a practical application of design through our school-based student-lead screen printing business, Flag High Screen Printing. The students learn to run a screen printing business where they are able to design t-shirts, stickers and much more. Students learn the ins and outs of running a team-based business that is focused on the application of skills acquired throughout previous design classes.

BUSINESS MANAGEMENT

Business I (Dual Enrollment) **CT41**

Grades: 9-12 **College Prep:** CTE Credit **Prerequisite:** None **Fee:** \$30 and CCC Tuition

Description: Students who take Business I will focus on computerized systems and the programs within Microsoft Office. Students will be able to use these programs to create business documents, such as a resume, professional emails, and use technology to maximize their productivity, efficiency, and career potential. Students will also be introduced into marketing concepts, career development, seeking employment and work skills. During this course, we will also dive into financial management skills and concepts, including budgets, insurance, financial institutions, credit & debt, and investments. Students will also learn important life skills such as buying a car, applying and paying for college, owning an apartment or house, applying for a credit card, as well as understanding how to obtain insurance and survive after high school. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, BUS 206. In order to earn the college credit, students must pay the reduced tuition to CCC.

Business II (Dual Enrollment) **CT42**

Grades: 10-12 **College Prep:** CTE Credit **Prerequisite:** Business I **Fee:** \$30 and CCC Tuition

Description: Knowing how to manage money is the key to both personal and business success and wealth. Students will be introduced to general management practices, recruiting and hiring employees, accounting, marketing and other key concepts to being a business owner. Students will also learn how businesses are capitalizing on social media trends and how to leverage social media for professional purposes. Students will get a glimpse into how the FHS website is ran and how we use social media here at Flagstaff High School. Additionally, students will be members of the Future Business Leaders of America (FBLA) program and they will attend leadership conferences and compete in either business, marketing or graphic design. This course offers an opportunity to earn dual enrollment credit for FHS and Coconino Community College, BUS 101 and BUS 105. In order to earn the college credit, students must pay the reduced tuition to CCC.

FASHION, DESIGN, AND MERCHANDISING

Fashion, Design, and Merchandising I

CT08

Grades: 9-12 **College Prep:** CTE Credit **Prerequisite:** None **Fee:** \$25

Description: This course provides learning experiences in all aspects of the fashion scene: design techniques, fashion merchandising, business communication skills, computer technology skills, and apparel construction. The program consists of a variety of projects that will challenge students, provide work-based learning experiences, and allow students to utilize their artistic abilities. Career Opportunities: Fashion Designer/Art Director/Graphic Designer/Industrial Designer/Model/Buyer/Purchasing Agent/Merchandiser and so much more!

Fashion, Design, and Merchandising II

CT125

Grades: 10-12 **College Prep:** CTE Credit **Prerequisite:** Fashion I **Fee:** \$25

Description: This course provides an in-depth look at textile production and retail. Students will begin to explore their own design and they will begin to manufacture a product line by sewing clothes for a pet, an infant, a child, an older adult, a teen or men and women. Students will merchandise clothing and accessories and they will explore career opportunities available in the industry through job shadow, merchandising products and hosting their own fashion show. Students in this course will be members of the AZ Family, Career and Community Leaders of America and they will attend leadership conferences and compete in either fashion design or merchandising.

Fashion, Design, and Merchandising III

CT130

Grades: 11-12 **College Prep:** CTE Credit **Prerequisite:** Fashion II **Fee:** \$25

Description: This course provides an opportunity for students to continue developing their skill as a clothing or accessories manufacturer and/or designer. Students in this course will learn to design for and run the embroidery machine. They will create their own embroidery logos and digital designs to be manufactured. Students will enhance their marketing skills and learn small business startup skills. Additionally, students will be members of the AZ Family, Career and Community Leaders of America and they may attend leadership conferences and compete as budgets allow.

COMPUTER SCIENCE

Introduction to Software & App Design

CT111

Grades: 9-12 **College Prep:** CTE Credit **Prerequisite:** None **Fee:** \$25

Description: Introduction to Software & App Design is an introductory computer science course. Mapped to CTSA standards, the course takes a wide lens on computer science by covering topics such as problem solving,

programming, physical computing, user centered design, and data, while inspiring students as they build their own websites, apps, animations, games, and physical computing systems. This class is available without a prerequisite to all FHS students.

Software & App Design I

CT112

Grades: 9-12 **College Prep:** CTE Credit **Fee:** \$25

Prerequisite: Into to Software & App Design or prior Computer Science experience with Teacher recommendation

Description: Software & App Design I introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in.

Software & App Design II

CT113

Grades: 10-12 **College Prep:** CTE Credit **Prerequisite:** Software & App Design I **Fee:** \$25

Description: Students will be introduced to software engineering and object-oriented design while they learn the Java programming language as the core topic in this class. The class will be project based. If students are interested in pursuing an Internship experience (DCE) the following year, a required project will be defining and coordinating their Internship arrangements.

PHYSICAL EDUCATION

High School Requirement of 0.5 credit of Physical Education and 0.5 credit of Health

FUSD requires 0.5 credit of Physical Education and 0.5 credit of Health. All students are required to take PE/Health for high school graduation. This course is the prerequisite for all other physical education elective courses.

Students who complete JROTC meet both the Physical Education and Health requirements. Students in Marching Band and Color Guard meet their 0.5 Physical Education credit but will need to make up the 0.5 credit of Health. Talk to your school counselor on your options to make up the Health credit.

Personal Fitness/Health

PE88

Grades: 9-12 **College Prep:** High School Requirement **Prerequisite:** None **Fee:** None

Description: The Personal Fitness/Health class will address how students can become healthier people and maintain physical fitness. It will present a wide array of topics related to health, first aid, physical fitness, team/individual sports and a high-quality lifestyle while at the same time, integrating team building, cooperation, and communication skills. We encourage the students to focus on how to use this information as part of their daily life to ensure a long and healthy life. Students will have both classroom sessions and activity sessions. As with all classes in the state of Arizona, Personal Fitness has standards that must be covered. Your student will be introduced to a variety of activities that will cover these standards and give them choices for lifelong physical well-being.

Recreational Sports and Activities

PE59

Grades: 10-12 **College Prep:** Elective **Prerequisite:** Personal Fitness/Health **Fee:** \$25

Description: This course will focus on indoor and outdoor activities, team sports, individual activities, team building, and sportsmanship. Some examples of units that will be taught include but not limited to: basketball, flag football, badminton, soccer, volleyball, pickleball, archery, disc golf, and a variety of other activities. Students will be taught rules and advanced strategies to promote competitive and higher levels of play. Your student will be introduced to a variety of activities that will give them choices for lifelong physical well-being.

Strength Training & Conditioning

PE64

Grades: 10-12 **College Prep:** Elective **Prerequisite:** Personal Fitness/Health **Fee:** \$25

Description: The class will be a combination of weight lifting, circuit training, body weight exercises, and band work. The students will be challenged by self-motivation and accountability. Emphasis will be placed on power, strength, speed, agility and flexibility. The class is designed for those students who want to achieve a higher level of fitness. Your student will be introduced to a variety of activities that will give them choices for lifelong physical well-being.

Basketball and Conditioning

PE89

Grades: 10-12 **College Prep:** Elective **Prerequisite:** Personal Fitness/Health **Fee:** \$25

Description: This course will focus on conditioning activities that will be basketball specific. For example; plyometrics, jump training, agility, speed, and cardiovascular and muscular endurance. In addition to conditioning, the course will focus on basketball training, small team games, half court and full court drills. This course is open to anyone and you do not have to play on the FHS basketball teams to enroll or benefit from this course. Your student will be introduced to a variety of activities that will give them choices for lifelong physical well-being.

ADDITIONAL ELECTIVES

DCE – Work Based Learning

CT115

Grades: 11-12 **College Prep:** CTE Credit **Fee:** None

Prerequisite: Concentrator/Completer in any CTE Program. Non-CTE students by approval.

Description: The Diversified Cooperative Education (DCE) is a course that utilizes classroom and workplace experience to teach and develop employability skills as found in the Arizona Professional Skills as well as practical application of technical skills acquired via a CTE program. In other words, students earn high school credit by applying the skills they learned in their CTE courses in the workforce, earning credit while being paid! Additionally, students will participate in a variety of postsecondary-related exploratory and research opportunities. Students are responsible for securing their own employment (for which release time will be granted), and providing their own transportation to the workplace. To be eligible for full credit, students must accrue a minimum of 120 hours of approved work experience and earn a “C” or better in the 60-hour professional skill building curriculum by the end of the course. This course may be repeated for credit.

Examples of what this could look like:

- **Culinary:** Cook, front of the house, grocery store, bakery, hotel/convention center, food blogger, etc.
- **Child Development:** Daycare, preschool, after school kids’ program, working in FUSD elementary schools, etc.
- **Automotive:** Auto shop, body shop, dealership, oil and lube shop, etc.
- **Welding:** Construction, fabrication shops, structural steel, any job requiring metal work
- **Woodworking:** Construction, carpenter internship, any work requiring wood work
- **Sports Medicine:** Internship with Sports Med III qualifies, work health/medicine field
- **Photography:** Photographer for a business, videographer, marketing, photojournalist, etc.
- **Graphic Design:** Web design, photo editing, advertising, etc.
- **Business:** This can be very broad and should be communicated with your Business teacher
- **Fashion:** The most common for our students is working retail store or merchandising
- **Computer Science:** This can be very broad and should be communicated with your Computer Science teacher but any type of job that involves computer science like: Web design, IT support, help desks, etc.

AP Human Geography

EL96

Grades: 9-12 **College Prep:** Elective **Prerequisite:** None **Fee:** None

Description: AP Human Geography is a college-level course which studies the interactions between physical geography, human migration, cultures and economic relationships. The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Topics include: Population, Migration, Cultural Patterns, Political Organization, Agricultural and Rural Land Use, Industrialization and Economic Development, Cities and Urban Land Use, and much more!

Yearbook Publications

EL201

Grades: 10-12 **College Prep:** Elective **Prerequisite:** Digital Photo I or Teacher recommendation **Fee:** \$30

Description: Students who enroll in yearbook publications will be committed to preparing the yearbook for plant production. Students are responsible for creating the yearbook for 1700 students here at Flagstaff High School. Advanced computer skills are taught by utilizing Jostens Yearbook Avenue, Photoshop, and InDesign. Students will be required to attend extra-curricular activities in order to obtain photos and stories needed for publications (this may be during, before, or after school). This class is considered deadline-oriented and recommended for organized students. We also offer different leadership roles such as Editor in Chief, Assistant Editor, Business Manager and many others.

Peer Buddies

EL50

Grades: 10-12 **College Prep:** Elective **Prerequisite:** Application required **Fee:** None

Description: Peer Buddies is an elective class designed to allow students on FHS's campus to take a friendship and supportive role in the special education classroom. The role of a peer buddy is to be a friend, peer model, and advocate. Throughout the year, Peer Buddies will learn about disabilities, terms, acronyms used in special education, confidentiality, and roles in the classroom. Peer buddies will participate in classroom activities, engage with peers with disabilities, and complete two research assignments. Students will need to complete the peer buddy application with two teacher recommendations and must maintain appropriate behavior in class and on campus to stay in the class. Applications can be found on the FHS website under the registration tab or picked up in the Counseling office.

J.R.O.T.C

PE80

Grades: 9-12 **College Prep:** Elective **Prerequisite:** None **Fee:** None

Description: The Army J.R.O.T.C. Program is designed to teach high school students the value of citizenship, leadership, service to the community, personal responsibility, and a sense of accomplishment, while instilling in their self-esteem, teamwork and self-discipline. Its focus is reflected in its mission statement, "To motivate your people to be better citizens." It prepares high school students for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as an American citizen. JROTC counts as a H.S. PE and Health credit. Limited spots available at each grade level. The course may be repeated for elective credit. *Students will travel to Coconino High School for the course.*

Student Leadership Council

EL65

Grades: 9-12 **College Prep:** Elective **Prerequisite:** Application required **Fee:** \$25

Description: The course is designed to develop personal leadership skills and an understanding of group processes in a democratic society. It seeks to foster in students a better understanding of themselves and their capacity for leadership; to create an understanding of the importance of leadership in a democratic society; and to prepare students to assume leadership roles in the school and community. Course outcomes: 1). Create, plan and communicate school activities, using leadership skills 2). Apply knowledge of the principles of problem solving to a given situation and justify selection in order to identify and evaluate a possible solution. The course has limited seats and the application process is important to getting into the course. Application information can be found on the FHS registration webpage.

Link Crew

EL56

Grades: 11-12 **College Prep:** Elective **Prerequisite:** Application required **Fee:** \$15

Description: Link Crew is a high school transition program that welcomes freshmen and makes them feel comfortable throughout the first year of their high school experience. Built on the belief that students can help students succeed. During this program we train mentors from your junior and senior classes to be Link Crew Leaders. As positive role models, Link Crew Leaders are mentors and student leaders who guide the freshmen to discover what it takes to be successful during the transition to high school and help facilitate freshman success. During your time as a Link Leader you will be trained in mentoring, communication, leadership, empathy, and diversity among other related concepts. Students selected are required to take both the Fall and Spring class. The course has limited seats and the application process is important to getting into the course. Application information can be found on the FHS registration webpage.

Military History

EL58

Grades: 11-12 **College Prep:** Elective **Prerequisite:** None **Fee:** \$15

Description: Military History provides students with a deeper examination of military conflicts from ancient times to the present than is usually found in a survey course. Students will study the causes and effects of conflicts. Analysis of major strategies and personalities involved in each war will be included. Through our exploration we will learn lessons that not only can be applied by warriors, but by all people.

Psychology

EL62

Grades: 11-12 **College Prep:** Elective **Prerequisite:** None **Fee:** None

Description: Psychology is intended to provide an overview of the major aspect of psychology, while providing insight into social and cultural aspects of interpersonal relationships. The course will go into concepts of mental and behavioral processes. Students will investigate various approaches and theories that explain human behavior. This course is intended to provide information about psychology as well as practical experience using the concepts learned.

Outdoor Discovery

EL351

Grades: 9-12 **College Prep:** Elective **Prerequisite:** None **Fee:** \$35

Description: Outdoor Discovery focuses on three class goals: adventure, stewardship, and career exploration. For adventure and stewardship, you will have the opportunity to work in an outdoor classroom, develop your observation and field skills, follow Leave No Trace ethics, and plan and attend service-learning field trips. For career exploration, you will engage with local experts and community partners to develop the skills to lead outdoor adventures of your own. It is highly recommended that you attend at least one field trip per semester.

Office Aide

EL60

Grades: 11-12 **College Prep:** Elective **Prerequisite:** None **Fee:** None

Description: Students will be assigned to either the counseling office, attendance office or the library. Students will learn different office procedures and will be assigned different tasks that will benefit the school. This is a high-profile position as you will interact with the public and staff. Students can only have one Office

Aid or TA per school year. **Application for Office Aide must be completed and turned into the Counseling Office to be given this course. Counselors will review your application and transcript before adding the course.**

Teacher Aide

EL61

Grades: 11-12 **College Prep:** Elective **Prerequisite:** None **Fee:** None

Description: This is a working course in which a student assists the teacher with clerical tasks. The request must be initiated by the teacher and approved by the administration. Students can only have one TA or Office Aid per school year. **Application for Teacher Aide must be completed and turned into the Counseling Office to be given this course. Counselors will review your application and transcript before adding the course.**

Approved No Hour

EL86

Grades: 12 **College Prep:** No **Fee:** None

Prerequisite: Student must be on track for graduation, application required

Description: Students who are on track for graduation may apply for a No Hour. Students have the option of one or two No Hours. Students also have the option to take the No Hour(s) during the first two periods of the school day or the last two periods of the day. If taking two No Hours the classes must be back-to-back or the first and last period of the day. Students MUST LEAVE CAMPUS during their No Hour(s). Athletes are HIGHLY ENCOURAGED to take their No Hours in the morning. **Application for No Hour(s) must be completed and turned into the Counseling Office to be given this course. Counselors will review your application and transcript before adding the course.**

ELECTIVES MENU

Course ID	Course Title	Prerequisites	Grades
Career & Technical Education			
CT00	College and Career Readiness Rotation	None	9
	Education Professions	None	9/10/11/12
CT120	Law and Public Safety	None	10/11/12
CT115	DCE-Work Based Learning	See Course Description Guide	10/11/12
CT127	Digital Photography I	None	9/10/11/12
CT128	Digital Photography II	Digital Photography I	10/11/12
CT129	Digital Photography III	Digital Photography II	11/12
CT96	Graphic Design I	None	9/10/11/12
CT97	Graphic Design II	Graphic Design I	10/11/12
CT98	Screen Printing T-Shirt Printing Internship	Graphic Design I	11/12
CT111	Introduction to Software & App Design	None	9/10/11/12
CT112	Software & App Design I	Teacher Recommendation or Intro to Software	9/10/11/12
CT113	Software & App Design II	Software & App Design I	10/11/12
CT19	Introduction to Culinary	None	9/10/11/12
CT06	Culinary Arts I	Introduction to Culinary	10/11/12
CT07	Culinary Arts II	Culinary Arts I	11/12
CT20	Introduction to Pastry and Baking	Culinary Arts II with a C or higher	11/12
CT92	Culinary Arts III	Culinary Arts II with a B or higher	11/12
CT24	Culinary Competition Skills	Culinary Arts II with a B or higher	11/12
CT16	Early Childhood Education / Child Development I	None	9/10/11/12
CT17	Early Childhood Education / Child Development II	Child Development I	10/11/12
CT18	Early Childhood Education / Child Care Lab III	Child Development II	11/12
CT53	Auto Mechanics I	None	10/11/12
CT81	Auto Mechanics II	Auto Mechanics I	10/11/12
CT83	Auto Mechanics III	Auto Mechanics II	11/12
CT80	Engineering I	Algebra 1 with a 3 or B or higher	9/10/11/12
CT69	Woodworking I	None	10/11/12
CT84	Woodworking II (Dual Enrollment)	Woodworking I	11/12
CT75	Cabinetmaking (Woodworking III)	Woodworking II	11/12
CT49	Welding I (Dual Enrollment)	None	10/11/12
CT62	Welding II (Dual Enrollment)	Welding I	11/12
CT63	Welding III	Welding II	11/12
CT68	Competitive Welding	Welding II	11/12
CT73	Sports Medicine I	Health	10/11/12
CT74	Sports Medicine II (Dual Enrollment)	Sports Medicine I	11/12
CT99	Sports Medicine III – Internship	See Course Description Guide	11/12
CT41	Business I (Dual Enrollment)	None	9/10/11/12
CT42	Business II (Dual Enrollment)	Business I	10/11/12
CT08	Fashion, Design, and Merchandising I	None	9/10/11/12
CT125	Fashion, Design, and Merchandising II	Fashion, Design, and Merchandising I	10/11/12
CT130	Fashion, Design, and Merchandising III	Fashion, Design, and Merchandising II	11/12
Fine and Performing Arts Electives			
AR50 & AR55	Art I	None	9/10/11/12
AR60 & AR65	ART II	Art I	10/11/12
AR70	AP Studio Art	Teacher Recommendation and Art II	11/12
MU60	Concert Choir (Dual Enrollment)	None	9/10/11/12
MU70	Chamber Choir – Choraliers (Dual Enrollment)	Audition Required	9/10/11/12
MU95	AP Music Theory	See Course Description Guide	10/11/12
MU50	Guitar	None	9/10/11/12
MU80 & MU85	Marching Band / Concert Band	See Course Description Guide	9/10/11/12
-	Music Performance Lab	Enrolled in Band or Color Guard	9/10/11/12
MU91	Color Guard (Marching Band)	None	9/10/11/12
MU75	Orchestra (Symphonic Orchestra – Strings)	See Course Description Guide	9/10/11/12
MU87	Piano I (Dual Enrolment)	None	9/10/11/12

MU88	Piano II	Piano I with a C or better	9/10/11/12
MU90	Jazz Band	See Course Description Guide	9/10/11/12
TH50	Theatre I	None	9/10/11/12
TH55	Theatre II	Theatre I	10/11/12
Modern Language Electives			
ML45	Spanish I	None	9/10/11/12
ML75	Spanish II	Spanish I	9/10/11/12
ML77	Spanish II (Dual Enrollment)	Spanish I with a B or higher	9/10/11/12
ML92	Spanish III	Spanish II with a C or higher	10/11/12
ML97	AP Spanish Language & Culture	Spanish II with a C or higher	11/12
ML105	Spanish for Spanish Speakers I	Teacher Recommendation	9/10/11/12
ML106	Spanish for Spanish Speakers II	Teacher Recommendation	10/11/12
ML40	Navajo I	None	9/10/11/12
ML70	Navajo II (Dual Enrollment)	Navajo I	10/11/12
Physical Education Electives			
PE80	JROTC	None	9/10/11/12
PE64	Strength Training	Personal Fitness/Health	10/11/12
PE59	Recreational Sports and Activities	Personal Fitness/Health	10/11/12
PE89	Basketball and Conditioning	Personal Fitness/Health	10/11/12
Other Electives			
EL54	Dine' History and Government	None	11/12
EL96	AP Human Geography	None	9/10/11/12
EL201	Yearbook	Teacher Recommendation or Photo I	10/11/12
EL50	Peer Buddies	Application Required	10/11/12
EL56	LINK Crew	Application Required	11/12
EL65	Student Council	Application Required	9/10/11/12
EL58	Military History	None	11/12
EL62	Psychology	None	11/12
EL351	Outdoor Discovery	None	9/10/11/12
EL60	Office Aide	Application Required	11/12
EL61	Teacher Aide	Application Required	11/12
EL86	Approved No Hour	Application Required	12
Coconino Association for Vocations, Industry, and Technology (CAVIAT)			
These courses are taken at CCC either during the last period of the day or after school hours and may extend into the late afternoon/evening.			
-	Administration of Justice: Law & Public Safety & Security	Notes	10/11/12
-	Computer Information Systems	<ul style="list-style-type: none"> See Deb Martin (dmartin@fUSD1.org) for prerequisite information Course times and meeting dates vary and may include evening and Saturday classes CAVIAT is tuition free Some programs require a fingerprint clearance card. See Deb Martin for more information Multi-year programs may be completed following high school graduation 	10/11/12
-	Business		10/11/12
-	Construction Technologies		10/11/12
-	Environmental Technologies/Alternative Energy Technology		10/11/12
-	Hospitality Management		10/11/12
-	Early Childhood Education		10/11/12
-	Veterinary Assistant		10/11/12
-	Medical Assistant Services		11/12
-	Pre-Health Careers		11/12
-	Certified Nursing Assistant		12
-	Emergency Medical Services		12
-	Assisted Living Caregiver Certification		12
-	Automotive Technology (Must be 18 years old)		12

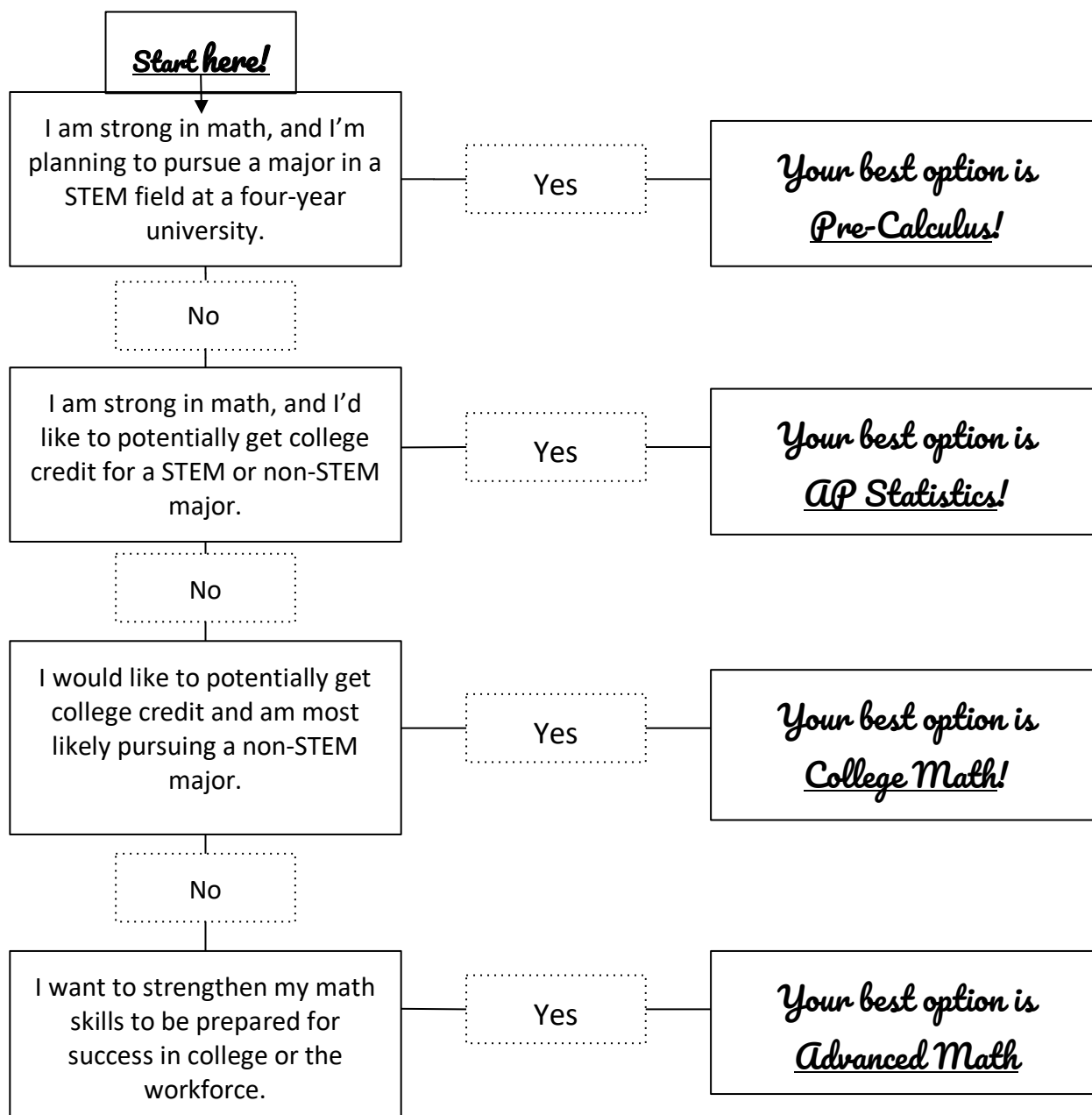
FHS FOURTH-YEAR MATH

My post-graduation plan is:

My high school grades in math so far:

Algebra 1: _____ Geometry: _____ Algebra 2: _____

Knowing my future plans and what I've done up to now, what math class should I take next year?



Math Placement Guide

AP Pre-Calculus (Dual Enrollment)

Pre-Calculus is a course to prepare students for Calculus (even business majors have to take a calculus course at most universities). Topics include: functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometry, analytic trigonometry, additional topics in trig, systems of equations and inequalities, matrices and determinants, sequences, series, conic sections, parametric equations, polar coordinates and their graphs, polar equations, graphing in three dimensions, and an introduction to limits in calculus.

Students have the option of taking this course as a Dual Enrollment (DE) course with Coconino Community College (CCC - MAT 187). STEM (science, technology, engineering, and math) and quantitative business major students (accounting, finance, etc.) will need this course to prepare them for success in Calculus.

Students taking this course should have earned a high B or A in Algebra 2 and be independent learners. Students should be prepared for a fast pace and have a history of completing all assignments on time.

AP Statistics (Dual Enrollment)

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Topics include: selecting methods for collecting and/or analyzing data for statistical inference; describing patterns, trends, associations, and relationships in data; exploring random phenomena with probability and simulation; developing an explanation or justifying a conclusion using evidence from data, definitions, or statistical inference.

Students have the option of taking this course as a Dual Enrollment (DE) course with Coconino Community College (CCC - MAT 160). Students will also have the option of taking an AP exam in May to earn 3 credit hours for college (equivalent to STA 270 at NAU). Practically every major requires a course in statistics since it is the foundation for research methods in many fields, especially the social sciences (psychology, political science, etc.), business, and environmental sciences.

Students taking this course should have earned an A or B in Algebra 2 and be prepared for extensive reading and written justifications. Students should be prepared for a fast pace and have a history of completing all assignments on time.

College Math (Dual Enrollment)

College Math (Applied Mathematics) is an introductory college-level math course (as well as math for the trades). Topics include: algebra review, introductory statistics and probability, linear and exponential models of growth and decay, financial literacy (savings, loans, taxes), applied modeling, and (trade specific math).

Students have the option of taking this course as a Dual Enrollment (DE) course with Coconino Community College (CCC - MAT 140). This course satisfies university math requirements for many non-STEM majors.

Students taking this course are NOT planning on pursuing STEM majors in their plans after high school.

Students taking this course should have earned a C or higher in Algebra 2 and be prepared for a fast paced course covering a broad range of concepts, including written responses.

Advanced Math Concepts

Advanced Math Concepts is a continuation of algebra concepts and higher order functions. Topics include: trigonometry, logarithms, matrices, and functions (including rational functions and exponential functions).

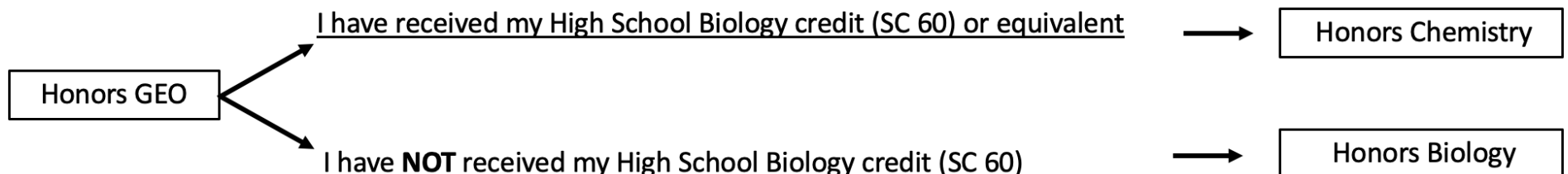
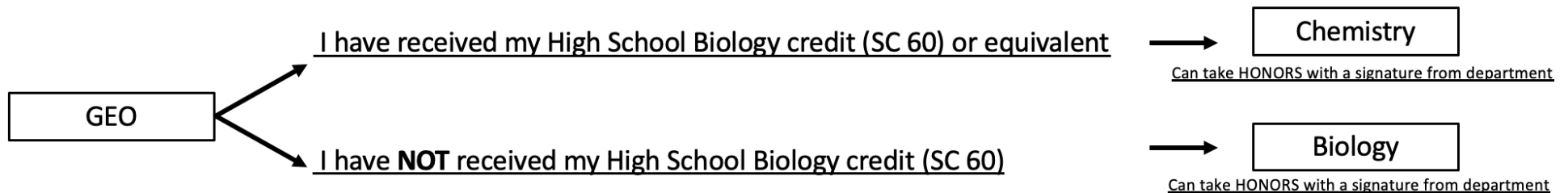
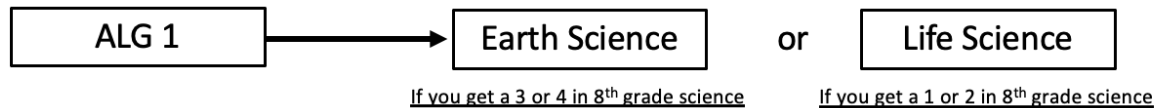
This course prepares students for college-level math and for entering the workforce after high school.

Students taking this course should have earned a D or higher in Algebra 2 and be prepared for a rigorous course.

FHS 9TH GRADE SCIENCE INITIAL PLACEMENT

Math Class you are
registering for:

Science class you should sign up for:



FHS SCIENCE TRACKS AVAILABLE

