



**COURSE CATALOG**  
**APACHE JUNCTION HIGH SCHOOL**  
**2022 - 2023**

**Apache Junction Unified School District  
Notice of Nondiscrimination**

The Apache Junction Unified School District No. 43 does not discriminate on the basis of race, color, national origin, sex (including sexual harassment), handicap or age in any of its policies, procedures, or practices in compliance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Age Discrimination Act of 1975. The nondiscrimination policy covers admission and access to, and treatment and employment in the District's programs and activities, including vocational education. A lack of English language skills shall not be a barrier to admission and participation in any education program, including vocational and special education. Inquiries regarding the equal opportunity policies or the filing of grievances, or the request of a copy of the grievance procedures covering discrimination complaints may be directed to the Title IX/Section 504 compliance officer:

Director of Special & Educational Services  
District Administrative Building  
1575 West Southern Avenue, Suite #6  
Telephone (480) 982-1110, ext. 2046

The Apache Junction Unified School District recognizes its obligation to provide overall program accessibility throughout the school for handicapped persons. Contact the Director of Special Services to obtain information as to the existence and location of services, activities, and facilities that are accessible to and usable by handicapped persons.

Inquiries regarding Federal laws and regulations concerning nondiscrimination in education or the District's compliance with those provisions may also be directed to:

Office for Civil Rights  
U S Department of Education 221 Main Street, Suite 1020  
San Francisco, CA 94105

**El Distrito Escolar Unificado de Apache Junction  
Noticia de No Discriminación**

El Distrito Escolar Unificado de Apache Junction #43 no discrimina a causa de la raza, el color, el origen nacional, el sexo (incluyendo el hostigamiento sexual), la desventaja, la edad en algunas de sus políticas, procedimientos, ni prácticas de acuerdo con el Título VI del Acto de Derechos Civiles de 1964, el Título IX de las Enmiendas Educativas de 1972, la Sección 504 del Acto de Rehabilitación de Edad de 1975, La Política de no discriminación cubre la matriculación y el acceso, el tratamiento, el empleo en los programas y las actividades escolares, incluso de a educación vocacional. La falta de habilidades con el idioma inglés no será una barrera ni a la matriculación ni a la participación en cualquier programa educativo, incluso de las educaciones vocacional y especial. Preguntas acerca de la política de las oportunidades iguales o la registración de agravios, o la solicitud de una copia de los procedimientos de agravios sobre quejas de discriminación se pueden dirigir al oficial de sumisión del Título IX, Sección 504:

Director of Special & Educational Services  
District Administrative Building  
1575 W Southern Avenue, Suite #6  
Telephone (480) 982-1110, ext 2046

El Distrito Escolar Unificado de Apache Junction reconoce su obligación de proveer el acceso al programa en total por toda la escuela para las personas con desventajas. Contacto a Director de Servicios Especiales para obtener información sobre la existencia y la localización de servicios, actividades, y facilidades que son accesibles a y que pueden usar las personas con desventajas.

Preguntas sobre las leyes y regulaciones federales acerca de no discriminación en la educación o la sumisión del distrito escolar con esas provisiones también pueden ser dirigidas a:

Office for Civil Rights  
U S Department of Education 221 Main Street, Suite 1020  
San Francisco, CA 94105



*Dear Prospector Family,*

*Welcome to Apache Junction High School (AJHS). At AJHS, we are proud of our strong link to the community and local organizations. It is due to this connection that our students receive an education based on a team approach including the student, teachers, counselors, administrators, community and family members. The campus is a central point for the town of Apache Junction, as the facilities are used for many community events. The views of the Superstition Mountains lend a true Arizona setting for theProspectors.*

*During the 2021-2022 school year, students will have a wide variety of course options. Courses at AJHS are challenging and fun while supporting deep learning, inquiry-based activities, and critical thinking skills. Our district also hosts one-to-one use of technology. Our focus continues to be on raising the level of student achievement as we prepare our students for the challenges of the 21st-century world.*

*Our school counselors, teachers, instructional coaches, and administrators worked closely to establish programs of study that support the many interests of our students. In addition to our core classes, we offer such courses as NJROTC, AVID, Strategic Reading, Introduction to Engineering, Earth and Space Science, Advanced Physical Education, Honors Spanish, Welding, Culinary, Construction and Early Childhood Education to name a few.*

*Our student activities and athletic programs continue to be award winning while supporting a healthy and active involvement in school. Through these activities, our students learn the importance of being a part of an organization through collaboration, leadership, and teamwork. At AJHS learning occurs both in and out of the classroom including field trips, concerts, competitions and events that support various displays of knowledge.*

*At AJHS we are dedicated to supporting our teachers to ensure they are prepared to meet the needs of all our learners. Therefore, we regularly offer professional development and instructional coaching to our educators. Our ultimate goal is to maintain a safe learning environment that supports the academic and social/emotional education for all of our students as we prepare them for their future.*

*Sincerely,*

*Dr. Chris Lineberry*

**WE MINE HUMAN POTENTIAL!!!**

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### **AJHS Registration Process**

Education is an important part of preparing for the future since little can be accomplished without planning and structure, it is important that you plan your high school course of study carefully to allow you the most options for a successful future.

This catalog is designed to help you in your selection of high school courses. It contains useful information regarding the courses offered at Apache Junction High School as well as guidelines to consider when making your selections. Courses are all listed; however, student demand and staff availability will determine if a specific course can or will be offered.

The following documents are required to complete the enrollment process:

- Birth certificate or valid passport
- Photocopy of complete immunization records
- Academic transcript from any high school previously attended
- Withdrawal form from last high school attended with withdrawal grades
- IEP, if necessary
- Drivers license or state-issued ID of enrolling parent/guardian
- Proof of residence (utility bill, drivers license, etc)

### **Course Credit**

A course that meets daily for the entire academic year has the potential of earning an enrolled student one (1) unit of credit. A cumulative grade of 60% or higher must be achieved in the class for credit to be awarded. One half (½) unit of credit may be earned for successfully completing a course of study that meets one period daily for a single semester.

### **Credit Earning Options**

There are several ways to earn course credit at Apache Junction High School:

- Standard courses
- Online courses
- Summer school
- EVIT
- College Coursework

Any three-credit hour, 100 level or higher college course may be considered equivalent to a 0.5 AJHS credit, provided the college course is not offered by AJHS during the school year or summer school session. Any student seeking concurrent credit must submit a Concurrent Credit Application and return it to the AJHS Counseling Department prior to registration at the college. Students must have a college transcript sent to AJHS to receive high school credit.

### **Credit Enrollment Requirements**

All freshmen, sophomores, and juniors must be enrolled in six credit-bearing classes. Seniors who have successfully acquired enough credits to meet the graduation requirements have the option of a shortened schedule. A minimum of four consecutive periods is required for those who qualify and opt for this late arrival or early dismissal plan. Students with shortened schedules must leave campus when not attending classes and are encouraged to take advantage of enrichment activities such as beginning coursework at a community college or seeking work experience.

### **Report Cards and Progress Reports**

Ongoing student progress including grades and attendance can be monitored online through StudentVue and ParentVue. Username and password information is provided by AJHS. Numerical grades represent the following quality of work:

Percentage	Description	Letter Grade
90 - 100	Excellent	A
80 - 90	Above Average	B
70 - 79	Average	C
60 - 69	Below Average	D
0 - 59	Failing	F

### Grade Point Average

Grade point average (GPA) is an overall measure of the grades the student has received in high school. At Apache Junction High School, the GPA is calculated on an unweighted 4.0 system and a weighted 5.0 system. GPA is calculated using the following point values:

Numerical Grade	Letter Grade	Regular Course	Honors Course
90 - 100	A	4	5
80 - 89	B	3	4
70 - 79	C	2	3
60 - 69	D	1	1
0 - 59	F	0	0

### Honors Courses

Honors courses are academically advanced courses. The curriculum is designed to provide academic acceleration and enrichment for the ambitious student. Students are required to engage in independent and analytical assignments and will notice an increased level of rigor. The curricula for the courses are built on the core academic curriculum. Material read in these classes may contain mature content. It is recommended that students maintain a "C" or better to continue in the honors sequence.

### Advanced Placement (AP) Classes

Advanced Placement (AP) classes are available at Apache Junction High School. AP courses prepare students to take the national Advanced Placement Examinations given in May each school year. Students may be granted college credit based on their performance on these exams. Students are not required to take an Advanced Placement course to be eligible to take the Advanced Placement exam; however, students enrolled in AP courses are expected to take the AP Exam. For more information, visit your counselor or the AP website at [www.apcentral.collegeboard.com](http://www.apcentral.collegeboard.com).

### Course Selection and Graduation Requirements

As you plan your high school career, give serious consideration to the Apache Junction Unified School District graduation requirements. A diploma will be awarded to students who:

- Pass the state-mandated Civics Test
- Complete the state-mandated Education and Career Action Plan (ECAP). An ECAP reflects a student's current plan of coursework, career aspirations, and extended learning opportunities to develop the student's individual academic and career goals. Every student in grades 9-12 shall develop an ECAP in consultation with a high school counselor and parent/guardian. The student ECAP may be revised throughout high school to ensure that the student has the opportunity to study careers of his/her choice.
- Earn 22 credits as outlined in the following chart.

Curriculum Area	Credit Requirements
English	4.0
Mathematics	4.0
Science	3.0
Social Studies	3.0
Physical Education	1.0
CTE/Fine Art	1.0
Electives	6.0
<b>Total</b>	<b>22.0</b>

- Students wishing to graduate early must have their plan approved no later than August of their junior year.

**Grade Level**

A graduation cohort is determined by the year of entrance into high school. As an example, a student entering high school in 2021 is considered a member of the 2025 cohort. The cohort year determines when a student takes state assessments, graduation requirements, and expected graduation date.

Below is a standard four-year course of study for AJHS students. Refer to the specific departments in this catalog for more information.

<b><i>Freshman</i></b> English Math Science PE Elective Elective	<b><i>Sophomore</i></b> English Math Science Social Studies Elective Elective
<b><i>Junior</i></b> English Math Science Social Studies Elective Elective	<b><i>Senior</i></b> English Math Government/Economics Elective Elective* Elective*

*A minimum of 22 credits are required for graduation.*

*\*Seniors may choose to eliminate their final two electives if on track to graduate.*

**Academic Letter**

The Academic Letter honors sophomores, juniors, and seniors who maintain a weighted cumulative GPA of 4.0 or higher. Awards are distributed each spring.

**Central Arizona College “Promise for the Future”**

Central Arizona College “Promise for the Future” program – CAC meet with the CCJH 8th grade students last year to share information about the programs offered at CAC and asked students and their parents to sign a contract for success. The contract states they must sign up during their 8<sup>th</sup> grade year, and maintain a high school GPA of 2.75, perform 20 hours of community service, and graduate from a Pinal County School; they then may receive 2 years free in-state tuition at CAC. For the current 8<sup>th</sup> grade students, the application is currently available online at <https://centralaz.edu/community/foundation/promise-for-the-future>.

### Meeting University Requirements

Since universities continuously revise their entrance requirements, it is always best to contact each university to obtain their current information. All high school applicants to Arizona state universities must take either the ACT or SAT to determine their placement in college English and Mathematics courses. Students who plan to enter Arizona State University, the University of Arizona, or Northern Arizona University are required to have the following:

<b>Curriculum Area</b>	<b>AJUSD Graduation Credit Requirements</b>	<b>In-State University Entrance Credit Requirements</b>
<b>English</b>	4.0	4.0
<b>Mathematics</b>	4.0	4.0
<b>Science</b>	3.0	3.0 <i>Must include at least one year of physical science and one year of life science</i>
<b>Social Studies</b>	3.0	2.0
<b>Physical Education</b>	1.0	0.0
<b>CTE/Fine Art</b>	1.0	1.0
<b>Electives</b>	6.0	0.0
<b>Foreign Language</b>	0.0	2.0 <i>Both credits must be the same language</i>
<b>Total</b>	<b>22.0</b>	<b>16.0</b>
<i>SAT or ACT Exam may be required. Contact the university or college of your choice for specific entrance requirements including GPA, rank, or standardized test scores.</i>		

### Transfer of Credits

Acceptance of online transfer credits from sources outside the Apache Junction Unified School District is not automatic. Students must meet with their Counselor for non-AJUSD courses already on a transcript or before concurrently enrolling in courses outside AJUSD to determine what process must be followed and to clarify whether the credit will be accepted as an elective or core credit.

Online courses from non-AJUSD accredited high schools are accepted by AJUSD as elective credit only unless a request is made for consideration as core credit (Mathematics, English, Social Studies and Science) on an AJUSD Online School Transfer Credit Form.

Upon receipt of the non-AJUSD official transcript and notification, the student may request to take a Competency Exam in each individual course in which core credit has been denied by submitting an Online School Transfer Credit Form. AJUSD shall accept the credit as a core credit for each particular course in which the student passes the Competency Exam with a score of 70% or better. If the student receives a passing grade, the letter grade shown on the non-AJUSD transcript will be used on the AJUSD transcript. Please refer to ASBA policy JFABC, Admission of Transfer Students (Academic Credit Transfer).

The Competency Exam may be taken one time only for each individual course and it is the responsibility of the student to schedule the Competency Exam with their Counselor. AJHS does not provide study guides, textbooks, or other types of assistance prior to the exam. Students have ten school days after receiving the Online School Transfer Credit Form to schedule the exam. If the student does not score a minimum of 70%, the letter grade on the non-AJUSD transcript will be added to the AJUSD transcript as elective credit only. The assessment grade will be reported to the Records Specialist for transcript posting, and will retain the original form and provide a copy to the student.

High school athletes (NCAA college-bound student-athletes) and their parents are advised to check the [ncaaclearinghouse.net](http://ncaaclearinghouse.net) website to ensure that providers outside AJUSD are NCAA approved and their course offerings are accepted by NCAA.

### **Credit Recovery**

While Apache Junction High School hopes all students achieve academic success, there are times when students need to recoup credits due to failing grades in previous semesters. AJHS offers online opportunities during the school day as a means of credit recovery. Please see your Counselor for more details.

### **Course Changes (Drop/Add)**

It is important to pre-select your classes with care; your upcoming schedule will be based upon the courses you request. Students wishing to alter their schedules may apply for change(s) by completing the online schedule change request, which can be found on the AJHS website counseling tab. Requests must be submitted within the first ten (10) school days of the semester. Be aware that no classes can be changed or dropped after this ten (10) day period.

Schedule changes will only be made for the following circumstances:

- Needs the new course in order to graduate on time.
- Is changing to a different level of the same course.
- Has mistakenly enrolled in a course for which he/she has already received credit.
- Is assigned to a special program such as Special Education.

Schedule changes will not be permitted due to teacher preference, interest level, volume of work, or for any reason except those listed above. Should difficulties arise with a particular class or teacher, students and/or parents are advised to meet with the teacher outside of class time to discuss the concern(s). If you do not feel the issues have been resolved after talking with the teacher, contact your counselor to request a formal conference.

**AJHS Fees**

We accept cash, money orders, checks, and debit/credit cards at our bookstore. You are also able to make payments online at [www.ajusd.org/webstore/ajhs](http://www.ajusd.org/webstore/ajhs).

## Course Fees

Course	Frequency	Fee
AP Biology	Per year	\$40
Ceramics I	Per year	\$60
Ceramics II	Per year	\$60
Choir - Beginning	Per year	\$0
Choir - Varsity	Per year	\$70
Choir - Honors Womens	Per year	\$60
Construction Foundations	Per year	\$25
Construction II	Per year	\$50
Culinary Foundations	Per year	\$25
Drama - Beginning	Per year	\$25
Drama - Intermediate	Per year	\$150
Drama - Advanced	Per year	\$150
Drawing and Painting I	Per year	\$50
Drawing and Painting II	Per year	\$50
Early Childhood Foundations	Per year	\$25
Guitar	Per semester	\$30

Course	Frequency	Fee
Introduction to Engineering	Per year	\$30
Marching Band	Per semester	\$75
PE - Advanced PE	Per semester	\$10
PE - Athletic Conditioning	Per year	\$20
PE - Intro to PE (t-shirt)	Per year	\$8
Stagecraft - Beginning	Per semester	\$20
Stagecraft - Advanced	Per semester	\$20
String Ensemble	Per year	\$25
Technical Theatre - Beginning	Per semester	\$20
Technical Theatre - Advanced	Per year	\$40
Video Production I	Per semester	\$20
Video Production II	Per semester	\$20
Welding Foundations	Per year	\$25
Welding II	Per year	\$50
Winter Drumline	Per semester	\$75
Winter Guard	Per semester	\$75

## Miscellaneous Fees

Student ID Card	Student ID Card	\$5
AP Exam	Advanced Placement Exam	\$94
Yearbook	Book only	\$70-\$90
Pay to Participate	Per Athletic Season	\$75
Student Activity Card	Home games only. Excludes admission to tournaments.	\$30
Family Season Pass	Home games only. Excludes admission to tournaments. Valid for 2 adults & 2 children.	\$50
Family Annual Pass	Home games only. Excludes admission to tournaments. Valid for 2 adults & 2 children.	\$150

Chromebook Insurance	Fee for each individual student's Chromebook	\$25
Student Parking Permit	Required for students who park on campus	\$50
Student Activity Fee	Varies per activity	\$5-\$150

## CAREER AND TECHNICAL EDUCATION (CTE)

### **EVI26/EVI27 Early Childhood Education Foundations**

**Credit: 1.0**

In Early Childhood Education Foundations students focus on early childhood philosophy, childhood development, career opportunities, and current issues in safety, health, nutrition, child guidance techniques, family dynamics, observation/assessment, and curriculum development. They gain hands-on experience in lab settings working with the school operated Early Childhood program. Students that successfully complete this course will be able to continue to the EVIT ECE program, which leads to the Child Development Associate (CDA) national certification.

**Duration: 1 year**

**Course Fee: \$25**

**Graduation Requirement Satisfied: CTE, Elective**

### **EVI05/EVI06 Construction Foundations**

**Credit: 1.0**

Students will be introduced to hands-on skills in various disciplines of commercial and residential construction including electrical wiring, plumbing, masonry, framing, roofing, drywall, and finish work. Students also gain an understanding of safety, the use of hand and power tools, blueprint reading, estimating, and construction operations.

**Duration: 1 year**

**Course Fee: \$25**

**Graduation Requirement Satisfied: CTE, Elective**

### **EVI13/EVI14 Construction II**

**Credit: 2.0**

Students apply Construction Technologies program standards as they prepare for construction careers. Students will be exposed to various trades within the field of construction such as plumbing, framing, roofing, drywall, and electrical. Construction management and supervision will also be studied as an employment opportunity within the construction business. This is a 2-period class.

**Duration: 1 year**

**Course Fee: \$50**

**Graduation Requirement Satisfied: CTE, Elective**

### **EVI01/EVI02 Culinary Foundations**

**Credit: 1.0**

In this foundation course, students will be introduced to the culinary arts as they apply the knowledge and skills required for food production and preparation. Students will be provided instruction in creative meal planning, food selection, and preparation. Healthy cooking principles, safety and sanitation, proper use of equipment, and nutrition will be covered while exploring culinary careers.

**Duration: 1 year**

**Course Fee: \$25**

**Graduation Requirement Satisfied: CTE, Elective**

### **EVI11/EVI12 Culinary II**

**Credit: 1.0**

This is an advanced course that builds on the knowledge and skills learned in Culinary Foundations. Students develop skills in all facets of the food service industry. Advanced meal planning and food preparation techniques are experienced. This course utilizes laboratory experiences in the exploration of American and International cuisine.

**Duration: 1 year**

**Course Fee: \$25**

**Prerequisite: Culinary I**

**Graduation Requirement Satisfied: CTE, Elective**

### **EVI17/EVI18 Graphic Design Foundations**

**Credit: 1.0**

Multimedia encompasses design and composition using typography, illustration, and images to help students land a future career in graphic design and digital photography. Students will learn to manipulate photos using Adobe Photoshop, edit and retouch photos, and set up photo shoots. They will also develop skills to produce websites and printed materials for school programs, special events, and public clients.

**Duration: 1 year**

**Graduation Requirement Satisfied: CTE, Elective**

### **EVI03/EVI04 Welding Foundations**

**Credit: 1.0**

Welding Foundations teaches basic welding skills with an emphasis on safety. Students will learn how to draw and read blueprints to estimate the cost of a project. Participants will work with Shielded Metal Arc Welding (SMAW), Oxy-Acetylene Cutting, Plasma Cutting, Soldering, and Oxy-Acetylene Welding.

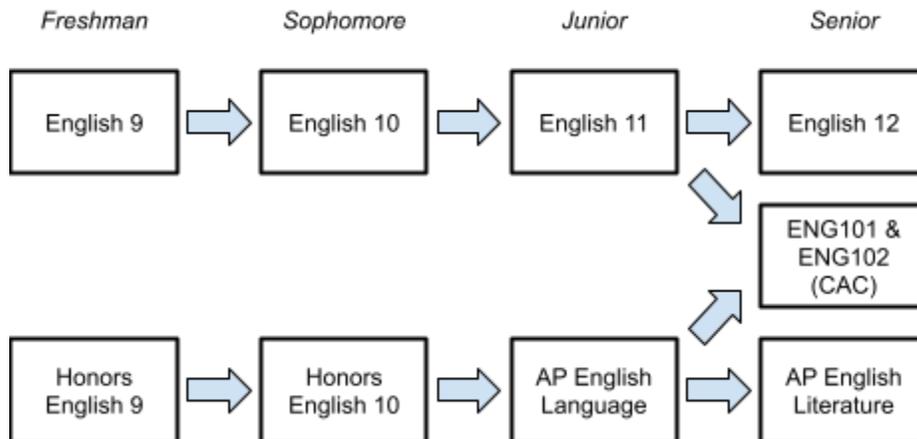
**Duration: 1 year**

**Course Fee: \$25**

**Graduation Requirement Satisfied: CTE, Elective**

**EVI15/EVI16 Welding II****Credit: 2.0**

This advanced welding class places an emphasis on workplace skills and safety. Students will practice how to draw and read blueprints to estimate the complete job. Welding I students will work on the more advanced use of shielded metal arc welding, oxy-acetylene cutting, and oxy-acetylene welding. Welding I students will be introduced to Flux Cored Arc Welding (FCAW), Tungsten Inert Gas Welding (TIGW) and Gas Metal Arc Welding (GMAW). Welding management and supervision will also be studied as fields offering additional employment opportunities. This is a 2-period class.

**Duration: 1 year****Course Fee: \$50****Graduation Requirement Satisfied: CTE, Elective****ENGLISH****ENG01/ENG02 English 9****Credit: 1.0**

English 9 builds on students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and includes the four aspects of language use: reading, writing, speaking, and listening. This course introduces and defines various genres of literature, with writing exercises linked to reading selections. Students will analyze texts for tone, mood, and purpose.

**Duration: 1 year****Graduation Requirement Satisfied: English****ENG21/ENG22 Honors English 9****Credit: 1.0**

This advanced course is designed to prepare students for the rigorous coursework they may expect in subsequent honors and Advanced Placement English courses. Reading, grammar, vocabulary, and compositional skills are emphasized. Students will have opportunities to develop critical-thinking and analytical skills as they read and write about fiction, non-fiction, poetry, and drama. Material read in this class may contain mature content. This is a rigorous course designed for the college-bound student.

**Duration: 1 year****Graduation Requirement Satisfied: English****ENG03/ENG04 English 10****Credit: 1.0**

English 10 offers a balanced focus on composition and literature. Students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension, develop skills to determine the author's intent and theme, and recognize the techniques used by the author to deliver his or her message.

**Duration: 1 year****Graduation Requirement Satisfied: English****ENG23/ENG24 Honors English 10****Credit: 1.0**

This advanced course is designed to prepare students for the rigorous coursework they may expect in subsequent honors and Advanced Placement English courses. Reading, grammar, vocabulary, and compositional skills are emphasized. Students will have opportunities to develop their critical-thinking and analytical skills as they read and write about fiction, non-fiction, poetry, and drama. Material read in this class may contain mature content. This is a rigorous course designed for the college-bound student.

**Duration: 1 year****Graduation Requirement Satisfied: English**

**ENG05/ENG06 English 11****Credit: 1.0**

English 11 focuses upon commonly known American authors and their work. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works, as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses and written compositions are required.

**Duration: 1 year****Graduation Requirement Satisfied: English****ENG32/ENG33 AP English Language****Credit: 1.0**

Following the College Board's suggested curriculum designed to parallel college-level English courses, this course exposes students to prose written in a variety of periods, disciplines, and rhetorical contexts. The course emphasizes the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes. Material read in this class may contain mature content.

**Duration: 1 year****Graduation Requirement Satisfied: English****ENG07/ENG08 English 12****Credit: 1.0**

English 12 fulfills the requirement of a fourth year of English, composition, grammar, vocabulary, research and study skills, reading and thinking skills, oral expression, and writing of forms, applications, and resumes are included. The course also includes a survey of world literature from the Greeks and Romans to the twentieth century, with a review of literary terms.

**Duration: 1 year****Graduation Requirement Satisfied: English****ENG39/ENG40 AP English Literature****Credit: 1.0**

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

**Duration: 1 year****Graduation Requirement Satisfied: English****ENG09 English 101****Credit: 0.5**

Students in this college English course will study analytical skills integral to the writing of complex arguments through the development of an original thesis, supportive ideas, and advanced research. Emphasis is on writing as a process of reflective cognition and revision. Students must take a college placement exam to qualify for this course and pay CAC's course credit fee. Students also earn 3.0 college credits.

**Duration: 1 semester****Graduation Requirement Satisfied: English****ENG10 English 102****Credit: 0.5**

This college English course will emphasize critical thinking, close reading, text analysis, and advanced research skills through the development, writing, and revision of complex arguments. Students must take a college placement exam to qualify for this course and pay CAC's course credit fee. Students also earn 3.0 college credits.

**Duration: 1 semester****Graduation Requirement Satisfied: English****SEI ENG IA/SEI E NGIB SEI English I****Credit: 1.0**

This course is designed to provide students with a foundation to English writing. Students in this course will receive direct instruction in grammar, sentence expansion and writing forms (paragraphs, essays, narratives, summarizing information, and functional text). Students will learn specific skills for pre-writing, draft composition, and editing. Students are responsible for learning the spelling of commonly used English words and language appropriate to purpose and audience. This course is for students who do not identify their home language as English, meet specified criteria based on their overall proficiency level on AZELLA, and have approval from the English Language District Coordinator.

**Duration: 1 year****Graduation Requirement Satisfied: English****SEI ENG IIA/SEI ENG IIB SEI English II****Credit: 1.0**

This course is designed to provide students with advanced instruction in aspects of English writing. Students in this course receive instruction in grammar, sentence expansion, and writing forms (paragraphs, essays, narratives, summarizing information, and functional text). Students continue to refine skills in pre-writing, draft composition, and editing using a process-writing format. Students are expected to demonstrate correct spelling of commonly used English words and language appropriate to purpose and audience. This course is for students who do not identify their home language as English, meet specified criteria based on their overall proficiency level on AZELLA, and have approval from the English Language District Coordinator.

**Duration: 1 year****Graduation Requirement Satisfied: English**

**SEI ACL A/SEI ACL B SEI Academic Lab****Credit: 0.5**

Support is provided for all content area classes to give students individualized assistance so that they have the opportunity to make progress in their academic courses. Study skills and continued language acquisition will be emphasized. This course is for students who do not identify their home language as English, meet specified criteria based on their overall proficiency level on AZELLA, and have approval from the English Language District Coordinator. This course may be repeated for credit.

**Duration: 1 semester****Graduation Requirement Satisfied: Elective****FINE ARTS****ART01 2D/3D Design****Credit: 0.5**

2D/3D Design provides students with the knowledge and opportunity to explore an art form and to create individual works of art. The language, materials, and processes of a particular art form and the design elements and principles supporting a work of art will be covered. As students become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. The study of major artists, art movements, and styles may also be included.

**Duration: 1 semester****Course Fee: \$25****Graduation Requirement Satisfied: Fine Art, Elective****ART02 Ceramics****Credit: 0.5**

Ceramics covers the same topics as 2D/3D Design, but focuses on creating three-dimensional works out of clay and ceramic material and emphasizes the characteristics of raw materials, their transformation under heat, and various methods to create and finish objects.

**Duration: 1 semester****Course Fee: \$30****Graduation Requirement Satisfied: Fine Art, Elective****ART03 Draw/Paint****Credit: 0.5**

This course continues to introduce students to materials, techniques, and attitudes in drawing and painting. Individual expression, technical skills, and knowledge of materials is emphasized. Media includes but is not limited to: watercolor, pencils, colored pencils, pastels, charcoals, washes, acrylics, and oils. Students participate in individual critiques, study different aspects of art history and complete written assignments. ART01 and ART02 or previous art experience required. This course may be repeated for credit.

**Duration: 1 semester****Course Fee: \$25****Graduation Requirement Satisfied: Fine Art, Elective****ART11/ART12 Drawing and Painting I****Credit: 1.0**

This course offers instruction in various techniques and processes. Students will use materials expressively to create a series of original art works. Painting and Drawing artists will be studied. Media to be explored may include pastel, inking, charcoal, watercolor, pencil, acrylic paints, and conte.

**Duration: 1 year****Course Fee: \$50****Graduation Requirement Satisfied: Fine Art, Elective****ART13/ART14 Drawing and Painting II****Credit: 1.0**

This course offers further instruction in various techniques and processes. Students will use materials expressively to create a series of original art works. Painting and Drawing artists will be studied. More emphasis is placed on self-motivation and originality of work at this level. Media to be explored may include pastel, inking, charcoal, watercolor, pencil, acrylic paint and conte.

**Duration: 1 year****Course Fee: \$50****Graduation Requirement Satisfied: Fine Art, Elective****ART21/ART22 Ceramics I****Credit: 1.0**

This course is designed to introduce students to basic ceramics construction techniques and their application as an art form. A variety of methods of ceramics techniques will be explored including handbuilding and throwing techniques. Students will also learn a variety of glazing and surface manipulation techniques.

**Duration: 1 year****Course Fee: \$60****Graduation Requirement Satisfied: Fine Art, Elective****ART23/ART24 Ceramics II****Credit: 1.0**

This course is designed to expand upon the basic ceramics construction techniques covered in Ceramics I. A variety of methods of intermediate pottery techniques will be explored including handbuilding and throwing techniques. Students will learn a variety of intermediate glazing and surface manipulation techniques.

**Duration: 1 year****Course Fee: \$60****Graduation Requirement Satisfied: Fine Art, Elective**

**BND09/BND10 Concert Band****Credit: 1.0**

Concert Band develops student's technique for playing brass, woodwind, and percussion instruments and covers a variety of non-specified band literature styles (concert, marching, orchestral, and modern styles). Previous musical training and an audition are required. This course may be repeated for credit.

**Duration: 1 year****Graduation Requirement Satisfied: Fine Art, Elective****BND03/BND04 Percussion Ensemble****Credit: 1.0**

This course is designed for students to further develop their performance proficiency on all percussion instruments. This class is to prepare students for involvement in performing groups (concert band, marching band, jazz band, etc.) Previous musical training and an audition are required. This course may be repeated for credit.

**Duration: 1 year****Graduation Requirement Satisfied: Fine Art, Elective****BND01 Marching Band****Credit: 0.5**

Marching Band is intended to develop students' technique for playing brass, woodwind, and percussion instruments and covers appropriate band literature styles, primarily for marching performances. Previous musical training and an audition are required. This course may be repeated for credit.

**Duration: 1 semester****Course Fee: \$150****Graduation Requirement Satisfied: Fine Art, Elective, PE requirement waived after 2 successful semesters in Marching Band****BND02/BND22 Wind Ensemble****Credit: 1.0**

Wind Ensemble is designed to promote students' technique for playing brass, woodwind, and percussion instruments and covers a variety of band literature styles, primarily for concert performances. Previous musical training and an audition are required. This course may be repeated for credit.

**Duration: 1 year****Graduation Requirement Satisfied: Fine Art, Elective****BND05/BND06 String Ensemble****Credit: 1.0**

String Ensemble is designed to develop students' abilities to play brass, woodwind, percussion, and string instruments, covering a variety of string and orchestral literature styles. Previous musical training and an audition are required. Students should provide their own instruments or make arrangements with the instructor. This course may be repeated for credit.

**Duration: 1 year****Course Fee: \$25****Graduation Requirement Satisfied: Fine Art, Elective****BND07/BND08 Jazz Band****Credit: 1.0**

This ensemble performs jazz repertoire that is challenging and varied from early jazz to swing, bebop, cool, straight ahead, and fusion. The Jazz Ensemble tours more than any other ensemble and maintains a rigorous performance schedule. Previous musical training and an audition are required. This course may be repeated for credit.

**Duration: 1 year****Graduation Requirement Satisfied: Fine Art, Elective****MUS08 Music Appreciation****Credit: 0.5**

The course is designed to help students explore the world of music and to develop an understanding of the importance of music in their lives. This course may be repeated for credit.

**Duration: 1 semester****Graduation Requirement Satisfied: Fine Art, Elective****BND11/BND12 Guitar****Credit: 1.0**

This course introduces students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. This course may also include more advanced guitar-playing techniques. This course may be repeated for credit.

**Duration: 1 year****Course Fee: \$30****Graduation Requirement Satisfied: Fine Art, Elective****MUS11/MUS12 Beginning Choir****Credit: 1.0**

This course provides the beginning music student the opportunity to learn the fundamentals of reading music and singing in an ensemble. The basics of score reading, rhythms, sight reading, and vocal training will be emphasized. Uniforms or special concert attire may be required. This course may be repeated for credit.

**Duration: 1 year****Course Fee: \$60****Graduation Requirement Satisfied: Fine Art, Elective**

**MUS13/MUS14 Intermediate Choir****Credit: 1.0**

Intermediate Choir is designed for students with varying vocal talents and skills. Healthy vocal techniques will be developed. Students will learn to interpret the poetry of music while they learn solo and group performance skills. In addition, the students will receive basic training in rhythm and pitch, sight-reading, and music theory fundamentals connected to choral score reading. An audition will determine appropriate placement. This course may be repeated for credit.

**Duration: 1 year****Course Fee: \$60****Graduation Requirement Satisfied: Fine Art, Elective****MUS15/MUS16 Varsity Choir****Credit: 1.0**

Varsity Choir provides vocalists with the opportunity to sing a variety of choral literature styles. Coed participants will develop vocal techniques needed to sing in parts. An audition will determine appropriate placement. This course may be repeated for credit.

**Duration: 1 year****Course Fee: \$70****Graduation Requirement Satisfied: Fine Art, Elective****MUS05/MUS06 Women's Honors Choir****Credit: 1.0**

Women's Choir provides vocalists with the opportunity to sing a variety of choral literature styles. Female participants will develop vocal techniques needed to sing in parts. An audition will determine appropriate placement. This course may be repeated for credit.

**Duration: 1 year****Course Fee: \$70****Graduation Requirement Satisfied: Fine Art, Elective****MUS09/MUS10 Concert Choir****Credit: 1.0**

Concert Choir provides vocalists with the opportunity to sing a variety of choral literature styles. Coed participants will develop vocal techniques needed to sing in parts. An audition will determine appropriate placement. This course may be repeated for credit.

**Duration: 1 year****Course Fee: \$70****Graduation Requirement Satisfied: Fine Art, Elective****MUS01/MUS02 Mixed Chorus/Cantaremos****Credit: 1.0**

Cantaremos (or Mixed Choir) is a class designed for students with varying vocal talents and skills. Healthy vocal techniques will be developed. Students will learn to interpret the poetry of music while they learn solo and group performance skills. In addition, the students will receive basic training in rhythm and pitch, sight-reading, and music theory fundamentals connected to choral score reading. An audition will determine appropriate placement. This course may be repeated for credit.

**Duration: 1 year****Course Fee: \$70****Graduation Requirement Satisfied: Fine Art, Elective****MUS03 Introduction to Piano****Credit: 0.5**

Introduction to Piano introduces students to the fundamentals of music and basic keyboard techniques such as playing scales, chords, and melodic lines. This course may also include more advanced keyboard techniques. This course may be repeated for credit.

**Duration: 1 semester****Course Fee: \$20****Graduation Requirement Satisfied: Fine Art, Elective****THR01/THR02 Beginning Drama****Credit: 1.0**

Beginning Drama is intended to introduce students to all aspects of theatrical production. The course concentrates on introducing students to acting and performance skills. As students advance, improving performance technique will be emphasized; refined skills will increase the likelihood of participating in public productions. In addition, exposure to different types of theatrical techniques and traditions will be provided.

**Duration: 1 year****Course Fee: \$25****Graduation Requirement Satisfied: Fine Art, Elective****THR03/THR04 Intermediate Drama****Credit: 1.0**

Intermediate Drama is intended to promote students' experience and skill development in one or more aspects of theatrical production. The course concentrates on acting and performance skills. As students advance, improving performance technique will be emphasized; refined skills will increase the likelihood of participating in public productions. In addition, exposure to different types of theatrical techniques and traditions will be provided.

**Duration: 1 year****Course Fee: \$150****Graduation Requirement Satisfied: Fine Art, Elective****THR05/THR06 Advanced Drama****Credit: 1.0**

Advanced Drama focuses on the study and performance of drama including musical theatre. This course reviews a wide range of scripted materials, such as plays, screen plays, teleplays, readers' theatre scripts, dramatic criticism, creation of original dramatic works, and the role of dramatic arts in society. In addition, students will work collaboratively on performances. This course may be repeated for credit.

**Duration: 1 year****Course Fee: \$150****Graduation Requirement Satisfied: Fine Art, Elective**

**THR07 Stagecraft Credit: 0.5**  
Stagecraft instructs students on the complete operation of the Performing Arts Center (PAC), including building sets, lighting and sound techniques, and the operation of equipment; after school and evening hours to assist in actual productions are required.  
**Duration: 1 semester Course Fee: \$20**  
**Graduation Requirement Satisfied: Fine Art, Elective**

**THR09 Advanced Stagecraft Credit: 0.5**  
This course is for the continuing Stagecraft student. Advanced students will take an active role in leading beginning Stagecraft students through class projects, designing lights and sound for Performing Arts Center (PAC) productions, and will be required to assist and supervise beginners during performances in the PAC; after school and evening hours are required. This course may be repeated for credit.  
**Duration: 1 semester Course Fee: \$20**  
**Graduation Requirement Satisfied: Fine Art, Elective**

**THR11/THR12 Technical Theatre Credit: 1.0**  
Students taking Technical Theatre will be introduced to the backstage world of the theatre: set construction, lighting, sound, props, costumes, make-up, stage management, and the artistic aspects of design and production. Students learn by doing. Some out of class time is required to prepare for school productions, dress rehearsals, and performances. Students are required to work on the crew for the main Drama production each semester.  
**Duration: 1 year Course Fee: \$20**  
**Graduation Requirement Satisfied: Fine Art, Elective**

**THR13/THR14 Advanced Technical Theatre Credit: 1.0**  
Advanced Technical Theatre students will take an active role in mentoring beginning Technical Theatre students through class projects, which involve scenery design, costuming, make-up, props, lighting, and sound for Drama productions. They will be required to assist and supervise beginners during performances; after school and evening hours are required. Students are required to work on the crew for the main Drama production each semester. This course may be repeated for credit.  
**Duration: 1 year Course Fee: \$40**  
**Graduation Requirement Satisfied: Fine Art, Elective**

**THR15 Film Credit: 0.5**  
This course stresses critical analysis of the various film genres, production of film, and performance skills as they relate to film. Topics include a historical overview of the field, technical terminology, and critical viewing of classic and contemporary films. Students may also study major filmmakers, cinematographers, and their films and learn about film, television, and video and their relationships to drama and theater.  
**Duration: 1 semester Course Fee: \$20**  
**Graduation Requirement Satisfied: Fine Art, Elective**

**ELC09 Video Production I Credit: 0.5**  
This course will enable students to experience all stages of basic video production including storyboards, script writing, filming and camera techniques, audio, and editing techniques in post-production. Some projects may air on the district's Educational Television CableChannel.  
**Duration: 1 semester Course Fee: \$20**  
**Graduation Requirement Satisfied: Fine Art, Elective**

**ELC13 Video Production II Credit: 0.5**  
This course further develops concepts, ideas, and techniques covered in Video Production I. More emphasis is placed on post-production techniques and the operation of the television studio. Students may be required to attend some after school activities that require videotaping school functions for Educational Television broadcasts. This course may be repeated for credit.  
**Duration: 1 semester Course Fee: \$20**  
**Graduation Requirement Satisfied: Fine Art, Elective**

**TBT20 TV Broadcast Technology Credit: 0.5**  
This course prepares students to produce and distribute film & television presentations while rotating through different roles such as director, floor manager, audio technician, camera operator, teleprompter, script writer, and on-screen talent to learn all aspects of production. Students will also edit news stories and opening sequences on non-linear computer systems. This course may be repeated for credit.  
**Duration: 1 semester**  
**Graduation Requirement Satisfied: Fine Art, Elective**

## FOREIGN LANGUAGE

### **FOR01/FOR02 Spanish I**

**Credit: 1.0**

Spanish I emphasizes basic grammar, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective**

### **FOR03/FOR04 Honors Spanish I**

**Credit: 1.0**

Honors Spanish I, students will focus on basic vocabulary and literacy skills with additional vocabulary supplementing the general Spanish 1 curriculum. In addition to learning supplemental vocabulary, students will also learn basic and intermediate grammar concepts. Students are expected to listen, speak, read, and write in Spanish and will strive to develop a novice-mid to novice high proficiency and literacy in Spanish. In order to appreciate the language, the curriculum also focuses on Spanish-speaking countries and cultures and makes comparisons and connections to student backgrounds and experiences.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective**

### **FOR11/FOR12 Spanish II**

**Credit: 1.0**

The communication skills developed in Spanish I are reinforced and expanded in this second year course. Students' speaking and writing ability will be emphasized. Grammar and vocabulary will build on the knowledge gained in first-year Spanish. The two past tenses are studied. Cultural aspects of the Spanish speaking world will be continually stressed.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective**

### **FOR15/FOR16 Spanish III**

**Credit: 1.0**

The Spanish III course focuses on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective**

### **FOR05/FOR06 French I**

**Credit: 1.0**

This course introduces students to the basic communication skills: speaking, reading, writing, and listening. Students also will be introduced to culture and history..

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective**

### **FOR13/FOR14 French II**

**Credit: 1.0**

The second year course emphasizes conversation, grammatical construction, writing, reading, listening and a more in-depth study of culture.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective**

### **FOR31/FOR32 German I**

**Credit: 1.0**

This course introduces students to the basic communication skills: speaking, reading, writing, and listening. Students also will be introduced to culture and history..

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective**

### **FOR33/FOR34 German II**

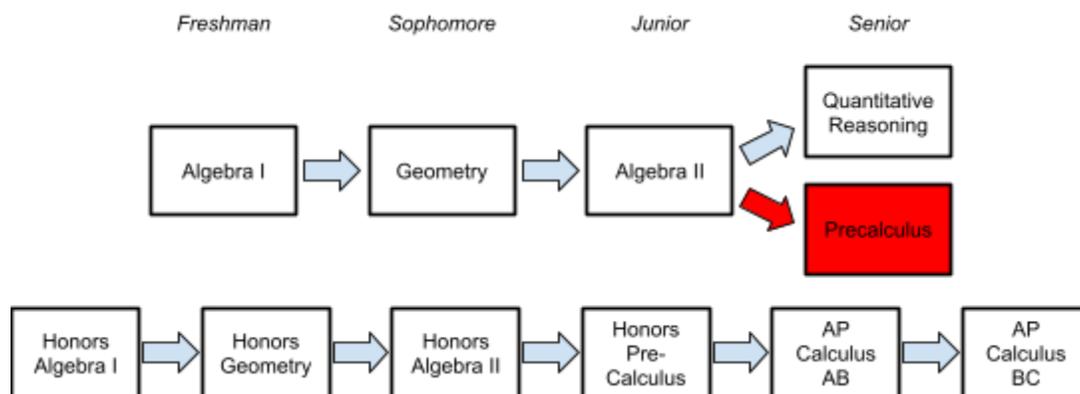
**Credit: 1.0**

The second year course emphasizes conversation, grammatical construction, writing, reading, listening and a more in-depth study of culture.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective**

# MATHEMATICS



## **MAT01/MAT02 Algebra I**

**Credit: 1.0**

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

**Duration: 1 year**

**Graduation Requirement Satisfied: Mathematics**

## **MAT21/MAT22 Honors Algebra I**

**Credit: 1.0**

Honors Algebra I covers the same content as standard Algebra I concepts are taught at a deeper level and will emphasize content application. Students must be able to recall and apply the concepts covered in middle school math with minimal review.

**Duration: 1 year**

**Graduation Requirement Satisfied: Mathematics**

## **MAT03/MAT04 Geometry**

**Credit: 1.0**

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

**Duration: 1 year**

**Graduation Requirement Satisfied: Mathematics**

## **MAT23/MAT24 Honors Geometry**

**Credit: 1.0**

Honors Geometry covers the same content as standard Geometry. Concepts are taught at a deeper level and will emphasize content application with an emphasis on Geometric proofs.

**Duration: 1 year**

**Graduation Requirement Satisfied: Mathematics**

## **MAT05/MAT06 Algebra II**

**Credit: 1.0**

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

**Duration: 1 year**

**Graduation Requirement Satisfied: Mathematics**

## **MAT25/MAT26 Honors Algebra II**

**Credit: 1.0**

Honors Algebra II covers the same content as standard Algebra II. Concepts are taught at a deeper level and will emphasize content application. The course also introduces students to Trigonometry which is covered in Honors Pre-Calculus.

**Duration: 1 year**

**Graduation Requirement Satisfied: Mathematics**

**MAT07/MAT08 Algebra III****Credit: 1.0**

This course examines practical applications of mathematics with topics in personal finance and measurement. It combines previously acquired knowledge in linear and nonlinear equations in meaningful ways and encourages students to analyze their world through mathematical modeling. Specific topics include income tax, investments, making purchases using credit, and practical geometry.

**Duration: 1 year****Graduation Requirement Satisfied: Mathematics****MAT11/MAT12 Quantitative Reasoning****Credit: 1.0**

This course will enrich a student's prior learning in Algebra I, Geometry, and Algebra II. It is a math course designed for high school seniors who need another math course, but may not be interested in moving on to Honors Precalculus as their 4th math credit. In this course, students will learn about problem solving, critical thinking, number theory, consumer mathematics, financial management, measurement, probability, statistics, mathematical systems, set theory, logic, and graph theory. Students will learn how these topics connect to previous Algebra and Geometry courses while using real-world data and applications.

**Duration: 1 year****Graduation Requirement Satisfied: Mathematics****MAT13/MAT14 Pre-Calculus****Credit: 1.0**

Pre-Calculus is a course taken after Algebra II and combines the study of trigonometry, elementary functions, analytic geometry, and math analysis topics as preparation for calculus. Topics include the study of complex numbers; polynomial, logarithmic, exponential, rational, trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

**Duration: 1 year****Graduation Requirement Satisfied: Mathematics****MAT27/MAT28 Honors Pre-Calculus****Credit: 1.0**

Honors Pre-Calculus covers the same content as Pre-Calculus. Concepts are taught at a deeper level and will emphasize the content application in preparation for AP Calculus.

**Duration: 1 year****Graduation Requirement Satisfied: Mathematics****MAT29/MAT30 Introduction to Calculus****Credit: 1.0**

The material covered in this course includes limits, derivatives, integrals and differential equations and their applications. Completion of this course qualifies a student to take Advanced Placement (AP) Calculus AB Exam.

**Duration: 1 year****Graduation Requirement Satisfied: Mathematics****MAT31/MAT32 AP Calculus AB****Credit: 1.0**

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

**Duration: 1 year****Graduation Requirement Satisfied: Mathematics****MAT33/MAT34 AP Calculus BC****Credit: 1.0**

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus BC provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications, and also requires additional knowledge of the theoretical tools of calculus.

**Duration: 1 year****Graduation Requirement Satisfied: Mathematics**

## NAVAL SCIENCE (JROTC)

The program goal of the Naval Junior Reserve Officer Training Corps is to provide an opportunity for secondary school students to learn about the basic elements and requirements for national security and their personal obligations as American citizens to contribute toward national security. The basic objectives include the promotion of patriotism, development of informed and responsible citizens, promotion of habits of orderliness and precision, development of respect for constituted authority, development of a high degree of personal honor, self-reliance, individual discipline, and leadership. The Naval Science Curriculum is a four-year program. It consists of a minimum of 100 class periods per year of formal classroom training supplemented by a minimum of 80 hours of laboratories, orientation visits, field trips, and other activities to enhance classroom studies. All NJROTC classes offer dual enrollment for college credit through UCCS.

### **NSI01/NSI02 Naval Science I**

**Credit: 1.0**

This course is to introduce students to the precepts of citizenship, the elements of leadership, and the value of scholarship in attaining life goals. This course is also designed to engender a sound appreciation for the heritage and traditions of America, with recognition that the role of sea power will be important in America's future, and to develop in each cadet a growing sense of pride in his/her organization, associations, and self. These elements are pursued at a fundamental level. Dual enrollment provides 2.0 college credits through UCCS.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective, PE requirement waived after 2 successful semesters in JROTC**

### **NSI03/NSI04 Naval Science II**

**Credit: 1.0**

This course is to introduce students to the precepts of science and history as they relate to America. Sea Power US History will be taught with an emphasis on sea power and its effect on the American progress from colony to world power. The sciences of astronomy, oceanography, and meteorology will be taught as they relate to the Navy and America's position as a world sea power. The elements of leadership will be included through the skill level required for small group management.

Dual enrollment provides 2.0 college credits through UCCS.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective, PE requirement waived after 2 successful semesters in JROTC**

### **NSI05/NSI06 Naval Science III**

**Credit: 1.0**

Heavy emphasis is placed on leadership, organization, and planning. The academic portion of the course deals with astronomy, meteorology, electronics, data processing, vectors and relative motion, leadership, navigation and basic theory of flight. Continued emphasis is placed on citizenship, current events and career planning. Dual enrollment provides 2.0 college credits through UCCS.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective, PE requirement waived after 2 successful semesters in JROTC**

### **NSI07/NSI08 Naval Science IV**

**Credit: 1.0**

Practical leadership, organization and planning are emphasized in this course. Students are placed in charge of lower classes of cadet officers. Their responsibilities are similar to those of junior officers in the Navy. In addition to assisting the Naval Science instructor in the regular conduct of classes, cadets act as drill instructors, plan, organize and conduct NJROTC extracurricular activities. They also plan, prepare and present lessons in certain academic areas and evaluate cadets' morale, behavior and performance in particular classes.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective, PE requirement waived after 2 successful semesters in JROTC**

### **NSI09/NSI10 Drill and Ceremonies**

**Credit: 1.0**

Drill and Ceremonies is an intermediate and advanced level course with particular attention on marching style and formations, body coordination and mechanics. This is a Naval Science curriculum emphasizing armed and unarmed drill as well as Color Guard and other ceremonial functions. Dual enrollment provides 2.0 college credits through UCCS.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective, PE requirement waived after 2 successful semesters in JROTC**

## PHYSICAL EDUCATION

The physical education staff at AJHS is dedicated to providing the best possible physical education experience for our students. We stress participation and effort more than athletic skill. Students with minimal athletic ability can still receive excellent grades by participating and demonstrating good effort. Physical Education clothes will be required.

### **PED18 Health and Wellness Credit: 0.5**

This course addresses health and wellness topics and issues relevant to high school students. Students will acquire knowledge and skills necessary to maintain lifelong good health and to make informed choices and accept personal responsibility for those choices. The units covered in this course include personal health (nutrition and fitness, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues.

**Duration: 1 semester**

**Graduation Requirement Satisfied: Health**

### **PED07 Introduction to Physical Education Credit: 0.5**

This course includes various types of health-related and skill-related physical activities including running the mile one time each week, strength training and flexibility. The physical conditioning will include weight training practice, technique, and program. Students will participate in individual and team sports and team games to promote skill development, sportsmanship, good health, and the value of physical exercise. Grades will be based on participation, dressing out, and the ability to meet the individual class expectations. The evaluation will also include written assignments (writing rubrics), reading activities, and unit tests. Physical difficulty level is moderate. May be repeated for credit.

**Duration: 1 semester**

**Graduation Requirement Satisfied: Physical Education**

**Course Fee: \$8 (t-shirt)**

### **PED20 Advanced Physical Education Credit: 0.5**

This course is designed to enhance the student's knowledge of competitive team sports and recreational sports that can be played for life. Students will participate and be evaluated in individual and team sports/games to promote skills development, sportsmanship, good health, and the value of physical exercise. Grades will be based on participation, dressing out, unit tests and assessments. Physical difficulty level is moderate to high. May be repeated for credit.

**Duration: 1 semester**

**Graduation Requirement Satisfied: Physical Education**

**Course Fee: \$10**

### **PED20 Advanced PE Credit: 0.5**

Course helps students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body position. Anatomy and conditioning is also covered. Physical difficulty level is moderate to high. May be repeated for credit.

**Duration: 1 semester**

**Graduation Requirement Satisfied: Physical Education**

**Course Fee: \$10**

### **PED12/PED13 Athletic Conditioning Credit: 0.5**

Athletic Conditioning is designed for athletes who participate in extracurricular sports. This class focuses on developing skills and strategies that will increase students' strengths and improve athletic performance. Participants will design and implement a weight-training program in accordance with team and coaching guidelines following accepted strength and training concepts. Course requirements include attendance, dressing out and participation. Physical difficulty level is very high. May be repeated for credit.

**Duration: 1 year**

**Graduation Requirement Satisfied: Physical Education**

**Course Fee: \$20**

### **PED16/PED17 Adaptive Physical Education Credit: 1.0**

This beginning level class is open to any student with a documented medical restriction which prevents participation in other physical education courses but which allows participation in a modified program. The course is designed to develop positive attitudes toward fitness and recreation and to promote involvement in lifelong sports and recreation. Activities are based on the individual needs of the student. Physical difficulty level is low to moderate. May be repeated for credit.

**Duration: 1 year**

**Graduation Requirement Satisfied: Physical Education**

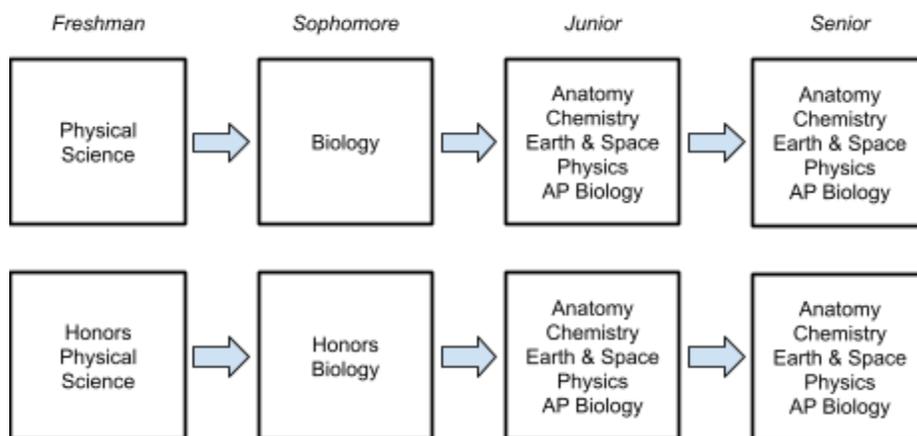
### **PED03/PED04 Dance Credit: 1.0**

Dance is a contemporary art form concerned with the communication of ideas or feelings through movement. This class is designed to introduce the basic fundamentals of dance technique, strength, flexibility, coordination, and endurance. Units include jazz, hip hop, ballet, modern, and tap. Other units may include improvisation, choreography, and dance history.

**Duration: 1 year**

**Graduation Requirement Satisfied: Physical Education**

## SCIENCE



*All AJHS science courses meet laboratory science requirement for university/college admissions.*

### **SCI01/SCI02     Physical Science**

**Credit: 1.0**

Physical Science is a course that will explore the physical world through evaluation of Cross-cutting Concepts utilizing Science and Engineering Practices to investigate the natural laws governing the physical world. Topics will include concepts from the Essential Physics and Essential Chemistry standards.

**Duration: 1 year**

**Graduation Requirement Satisfied: Physical Science**

### **SCI21/SCI22     Honors Physical Science**

**Credit: 1.0**

Honors Physical Science covers the same content as standard Physical Science with standards covered at a deeper level with emphasis on content application.

**Duration: 1 year**

**Graduation Requirement Satisfied: Physical Science**

### **SCI03/SCI04     Biology**

**Credit: 1.0**

Biology is designed to provide information regarding the fundamental concepts of life and life processes. Cross-cutting Concepts and Science and Engineering Practices will be used to investigate the web of life, human population and environmental effects, diversity of organisms and their relationships, functional systems, reproduction, genetics, and biological evolution.

**Duration: 1 year**

**Graduation Requirement Satisfied: Life Science**

### **SCI23/SCI24     Honors Biology**

**Credit: 1.0**

This course is designed as an exploratory biology course with the express purpose of exposing outstanding students to scientific concepts and principles in the area of living organisms. An in-depth study of traditional biology topics will be supplemented with research projects and open-ended labs.

**Duration: 1 year**

**Graduation Requirement Satisfied: Life Science**

### **SCI39/SCI40     AP Biology**

**Credit: 1.0**

This course will cover topics typically found in a first-year college biology course and advance the student's understanding of concepts normally covered in high school biology. Topics include evolution, cellular processes-energy and communication, genetics, information transfer, ecology, and interactions. It provides a solid preparation for the AP Biology Exam. This course is designed to help students develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains.

**Duration: 1 year**

**Course Fee: \$40**

**Graduation Requirement Satisfied: Life Science**

### **SCI05/SCI06     Earth and Space Science**

**Credit: 1.0**

The Earth and Space Science course focuses on the study of space, geologic structures and forces, the waters on our planet, and the atmospheric forces that shape our world. Students will explore the earth's spheres including the geosphere, hydrosphere, cryosphere, atmosphere, and the cycles of the earth such as the water and carbon cycle. Through Cross-cutting Concepts and Science and Engineering Practices, students will learn about geologic time, space exploration, the solar system, and the universe.

**Duration: 1 year**

**Graduation Requirement Satisfied: Physical Science**

**SCI07/SCI08 Chemistry****Credit: 1.0**

Chemistry students study the composition, properties, and reactions of organic and inorganic substances. This course examines the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; atomic structure; and nuclear reactions utilizing chemical formulas and equations. Cross-cutting Concepts and Science and Engineering Practices will be emphasized.

**Duration: 1 year****Graduation Requirement Satisfied: Physical Science****SCI09/SCI10 Anatomy and Physiology****Credit: 1.0**

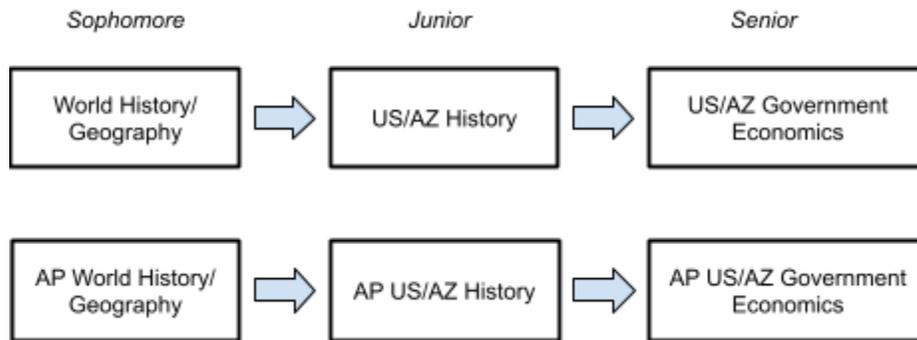
Anatomy and Physiology presents an in depth study of the human body In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, and explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous).

**Duration: 1 year****Graduation Requirement Satisfied: Life Science****SCI11/SCI12 Physics****Credit: 1.0**

Students will study the concepts and laws of physics through efforts involving problem solving, experimentation, design techniques and real world application. This Physics course involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The examination of sound, light, and magnetic and electric phenomena will also be included. Crosscutting Concepts and Science and Engineering Practices will be emphasized.

**Duration: 1 year****Graduation Requirement Satisfied: Physical Science**

## SOCIAL STUDIES



### **SOC01/SOC02 World History/Geography**

**Credit: 1.0**

World history from ancient civilizations to modern times is studied. The course prepares students to compare and contrast past cultures and civilizations and to identify how these civilizations have contributed to modern cultures and have influenced their lives. An understanding of geography is integrated into the course.

**Duration: 1 year**

**Graduation Requirement Satisfied: Social Studies**

### **SOC21/SOC22 AP World History/Geography**

**Credit: 1.0**

Following the College Board's suggested curriculum designed to parallel college-level World History courses, AP World History courses examine world history from 8000 BCE to the present with the aim of helping students develop a greater understanding of the evolution of global processes and contracts and how different human societies have interacted. These courses highlight the nature of changes in an international context and explore their causes and continuity.

**Duration: 1 year**

**Graduation Requirement Satisfied: Social Studies**

### **SOC03/SOC04 US/AZ History**

**Credit: 1.0**

Development of our state and nation from the earliest inhabitants to the present day is covered. An understanding of the nation's cultural, political and economic growth is emphasized. The first semester addresses the Colonial Period to the Civil War. The second semester covers the period from the Reconstruction through present day. A survey of Arizona history and government is incorporated into the second semester.

**Duration: 1 year**

**Graduation Requirement Satisfied: Social Studies**

### **SOC31/SOC32 AP US/AZ History**

**Credit: 1.0**

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

**Duration: 1 year**

**Graduation Requirement Satisfied: Social Studies**

### **SOC05 US/AZ Government**

**Credit: 0.5**

Students acquire basic knowledge and appreciation of the purpose and operation of American and Arizona governments. Emphasis is on preparing students to function more effectively as citizens of a democratic society. The primary content of study is the federal system and its underlying principles as they relate to national, state and local levels. Constitutional principles, the concepts of rights and responsibilities, and the role of political parties and interest groups are presented.

**Duration: 1 semester**

**Graduation Requirement Satisfied: Government**

### **SOC41/SOC42 AP US/AZ Government**

**Credit: 1.0**

AP Government courses prepare students for the AP exams in both US Government and Politics and Comparative Government and Politics Course content includes the topics covered in US/Arizona Government. Students acquire basic knowledge and appreciation of the purpose and operation of American and Arizona governments. Emphasis is on preparing students to function more effectively as citizens of a democratic society. The primary content of study is the federal system and its underlying principles as they relate to national, state and local levels Constitutional principles, the concepts of rights and responsibilities, and the role of political parties and interest groups are presented.

**Duration: 1 year**

**Graduation Requirement Satisfied: Government**

**SOC06            Economics**

**Credit: 1.0**

This course is designed to provide an overview of economics to include financial literacy. Emphasis is placed on understanding the ways in which individuals and organizations make decisions to allocate resources and the consideration of costs and benefits associated with making those decisions. Topics include: microeconomics, macroeconomics, personal finance, international economics, and comparative economics. The curriculum covers historical developments, the impacts of trade and the distribution of income and wealth in all types of economies.

***Duration: 1 semester***

***Graduation Requirement Satisfied: Economics***

## MISCELLANEOUS ELECTIVES

### **ELC01/ELC02 Introduction to Fire Science Credit: 1.0**

In this foundation course, students will gain skills through hands-on experiences. Topics will include live fire training, search and rescue techniques, high rise tower drills, and the use/operations of fire equipment used by local academies.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective**

### **ELC03 Speech and Debate Credit: 0.5**

Speech and Debate is an introductory course that covers a variety of styles of public speaking and formal debate. Students will become familiar with these styles through instruction research and practice.

**Duration: 1 semester**

**Graduation Requirement Satisfied: Elective**

### **ELC08 Current Events Credit: 0.5**

This course enables students to study political, economic, and social issues facing the world. The focus of the course is on current issues, examine selected issues throughout the 20th century, and look at historical causes or possible solutions. Course may be repeated for credit.

**Duration: 1 semester**

**Graduation Requirement Satisfied: Elective**

### **ELC10 Criminal Justice Credit: 0.5**

This course examines the history and philosophy of law as part of the U S society. The major substantive areas of both criminal and civil law, such as constitutional rights, torts, contracts, property, family law, and equity will be addressed.

**Duration: 1 semester**

**Graduation Requirement Satisfied: Elective**

### **ELC11/ELC12 Principles of Leadership (Student Council) Credit: 1.0**

Students develop leadership skills and apply fundamentals of government to governing the student body. Counsel members discuss common concerns, make decisions, and address school-related problems. All students are involved in organizing school activities and fund-raising efforts. Attendance at after-school events may be required.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective**

### **ELC15/ELC16 Yearbook Credit: 1.0**

This course provides students with the knowledge and skills necessary to produce the yearbook. Students may gain experience in several components (writing, editing, layout, production and so on) or may focus on a signal aspect while producing the publication. This course may be repeated for credit.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective**

### **ELC17/ELC18 AVID (Advancement Via Individual Determination) Credit: 1.0**

AVID is a school-wide transformation effort focused on leadership, systems, instruction, and culture, and is designed to increase the number of students who enroll in and succeed in higher education. AVID is an elective courses that offers activities that enable students to learn organizational and study skills, enhance their critical thinking skills, receive academic assistance as necessary and be motivated to aspire toward a college education. High school AVID students receive support in the college/university application process including essay writing, financial aid, and scholarship applications.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective**

### **ELC21 Marketing Exploration Credit: 0.5**

The course is geared for students with an interest in marketing, sales, or small business operation. Using the principles of marketing students will explore the opportunities available in retail, wholesale, advertising, and other occupational fields.

**Duration: 1 semester**

**Graduation Requirement Satisfied: Elective**

### **ELC22 Journalism Credit: 0.5**

This course emphasizes writing style and technique as well as production values and organization. Journalism courses introduce students to the concepts of newsworthiness and press responsibility; develop students' skills in writing and editing stories, headlines, and captions; and teach students the principles of production design, layout, and printing.

**Duration: 1 semester**

**Graduation Requirement Satisfied: Elective**

- ELC24 Strategic Reading Credit: 0.5**  
This course is designed as an intervention to support students who may struggle with reading in the high school content areas. Strategic Reading has a time management focus, offering strategies for note-taking or for understanding and evaluating the important points of a variety of texts. The course will focus instruction on effective strategies such as identifying text structure and will aid in comprehension of content area reading. This course may be repeated for credit.  
**Duration: 1 semester**  
**Graduation Requirement Satisfied: Elective**
- ELC26/ELC27 Introduction to Engineering Credit: 1.0**  
This course will focus on the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling to help them design solutions to solve proposed problems, document their work and communicate solutions to peers and members of the professional community.  
**Duration: 1 year** **Course Fee: \$30**  
**Graduation Requirement Satisfied: Elective**
- ELC32/ELC33 Computer Programming Credit: 1.0**  
This course introduces students to programming using industry-based language. Students will gain a strong understanding of object-oriented programming and enhance their critical thinking, collaboration, and real-world problem solving skills as they learn to design, code, and debug programming applications. No prior programming experience is required.  
**Duration: 1 year**  
**Graduation Requirement Satisfied: Elective**
- ELC41/ELC42 CompuPower: Leadership & Technology Credit: 1.0**  
CompuPower is a course for rising sophomores that uses technology as a vehicle to foster student leadership through the investigation and promotion of students' assets/interests. Students will engage with a wide variety of technologies, which will enhance their academic, career, and technological capabilities, in order to promote positive social change within their community. Each quarter will focus on an essential question that students answer through tools such as: online photo/audio/video capture and editing, web design, graphic design, cloud-based document management, project planning and productivity, communication and collaboration, research and digital literacy, and basic coding. CompuPower students enrolled in this class earn CTE credit while engaging in unique ways to learn through field trips, one on one meetings with industry leaders and a free 4-day college experience hosted at Arizona State University to engage students in what a career in STEM could look like. You do not have to be an expert in technology or science to do well in the class.  
**Duration: 1 year**  
**Graduation Requirement Satisfied: CTE, Elective**
- ELC35 Career Exploration Program Credit: 0.5**  
This program provides students an opportunity to earn elective credit while working in a paid position. There are no regular classes to attend; however, career activity assignments may be required to be completed in addition to working on the job. Students will be assigned a teacher coordinator and the employer must complete a satisfactory evaluation form. Students may earn 0.5 credit per semester by completing 128 hours worked. A maximum of 1.0 credit hours may be earned through CEP toward a student's graduation requirement. Students will be issued a Pass/Fail mark upon completion. A passing grade carries no value for GPA calculation.  
**Duration: 1 semester**  
**Graduation Requirement Satisfied: Elective**
- AID01 Student Assistant Credit: 0.5**  
Students will be assigned to the front office and serve as an office assistant performing a variety of duties. Students will be issued a Pass/Fail mark upon completion. A passing grade carries no value for GPA calculation.  
**Duration: 1 semester**  
**Graduation Requirement Satisfied: Elective**
- MIS01/MIS02 Release Time Credit: 0.0**  
Seniors may be granted release time if they are on track for graduation.  
**Duration: 1 year**

## SPECIAL EDUCATION

### **ELC04/ELC05 Academic Lab**

**Credit: 1.0**

Students who would benefit from a structured setting to assist with development of academic, social, or behavioral skills enroll in this class. Students learn important study skills such as organization, time management, and teamwork. Support is provided for all content area classes to give students individualized assistance so that they have the opportunity to make progress in the general education curriculum. Course may be repeated for credit.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective**

### **ELC06/ELC07 School to Work**

**Credit: 1.0**

This course focuses on job skill training at AJHS and the surrounding area. Job placement is based on the student's needs, taking into account the student's preferences and interests. Course may be repeated for credit.

**Duration: 1 year**

**Graduation Requirement Satisfied: Elective**

### **ENG51/ENG52 LS English 9**

**Credit: 1.0**

English 9 builds upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and includes the four aspects of language use: reading, writing, speaking, and listening. This course introduces and defines various genres of literature, with writing exercises linked to reading selections.

**Duration: 1 year**

**Graduation Requirement Satisfied: English**

### **ENG53/ENG54 LS English 10**

**Credit: 1.0**

English 10 offers a balanced focus on composition and literature. Students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

**Duration: 1 year**

**Graduation Requirement Satisfied: English**

### **ENG35/ENG36 LS English 11**

**Credit: 1.0**

English 11 focuses upon commonly known American authors and their work. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses and written compositions are required.

**Duration: 1 year**

**Graduation Requirement Satisfied: English**

### **ENG37/ENG38 LS English 12**

**Credit: 1.0**

English 12 blends composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature while continuing to develop their language skills. Students are required to write multi-paragraph essays and research papers.

**Duration: 1 year**

**Graduation Requirement Satisfied: English**

### **MAT51/MAT52 LS Algebra I**

**Credit: 1.0**

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

**Duration: 1 year**

**Graduation Requirement Satisfied: Mathematics**

### **MAT53/MAT54 LS Geometry**

**Credit: 1.0**

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

**Duration: 1 year**

**Graduation Requirement Satisfied: Mathematics**

### **MAT55/MAT56 LS Algebra II**

**Credit: 1.0**

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

**Duration: 1 year**

**Graduation Requirement Satisfied: Mathematics**

**MAT57/MAT58 LS Financial Math** **Credit: 1.0**

This course examines practical applications of mathematics with topics in personal finance and measurement. It combines previously acquired knowledge in linear and non-linear equations in meaningful ways and encourages students to analyze their world through mathematical modeling. Specific topics include income tax, investments, making purchases using credit, and practical geometry.

**Duration: 1 year**

**Graduation Requirement Satisfied: Mathematics**

**PED18 LS Health and Wellness** **Credit: 0.5**

This course addresses health and wellness topics and issues relevant to high school students. Students will acquire knowledge and skills necessary to maintain lifelong good health and to make informed choices and accept personal responsibility for those choices. The units covered in this course include personal health (nutrition and fitness, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues.

**Duration: 1 semester**

**Graduation Requirement Satisfied: Health**

**SCI31/SCI32 LS Physical Science** **Credit: 1.0**

Physical Science is a course that will explore the physical world through evaluation of Cross-cutting Concepts utilizing Science and Engineering Practices to investigate the natural laws governing the physical world. Topics will include concepts from the Essential Physics and Essential Chemistry standards.

**Duration: 1 year**

**Graduation Requirement Satisfied: Physical Science**

**SCI33/SCI34 LS Biology** **Credit: 1.0**

Biology is designed to provide information regarding the fundamental concepts of life and life processes. Topics include: the web of life, human population and environmental effects, diversity of organisms and their relationships, functional systems, reproduction, genetics, and evolution.

**Duration: 1 year**

**Graduation Requirement Satisfied: Life Science**

**SCI35/SCI36 LS Earth and Space Science** **Credit: 1.0**

The Earth and Space Science course focuses on the study of space, geologic structures and forces, the waters on our planet, and the atmospheric forces that shape our world. Students will explore the earth's spheres including the geosphere, hydrosphere, cryosphere, atmosphere, and the cycles of the earth such as the water and carbon cycle. Through Cross-cutting Concepts and Science and Engineering Practices, students will learn about geologic time, space exploration, the solar system, and the universe.

**Duration: 1 year**

**Graduation Requirement Satisfied: Physical Science**

**SOC51/SOC52 LS World History/Geography** **Credit: 1.0**

World history from ancient civilizations to modern times is studied. The course prepares students to compare and contrast past cultures and civilizations and to identify how these civilizations have contributed to modern cultures and have influenced their lives. An understanding of geography is integrated into the course.

**Duration: 1 year**

**Graduation Requirement Satisfied: Social Studies**

**SOC53/SOC54 LS US/AZ History** **Credit: 1.0**

Development of our state and nation from the earliest inhabitants to the present day is covered. An understanding of the nation's cultural, political and economic growth is emphasized. The first semester addresses the Colonial Period to the Civil War. The second semester covers the period from the Reconstruction through present day. A survey of Arizona history and government is incorporated into the second semester.

**Duration: 1 year**

**Graduation Requirement Satisfied: Social Studies**

**SOC55 LS US/AZ Government** **Credit: 0.5**

Students acquire basic knowledge and appreciation of the purpose and operation of the American and Arizona governments. Emphasis is on preparing students to function more effectively as citizens of a democratic society. The primary content of study is the federal system and its underlying principles as they relate to national, state and local levels. Constitutional principles, the concepts of rights and responsibilities, and the role of political parties and interest groups are presented.

**Duration: 1 semester**

**Graduation Requirement Satisfied: Social Studies**

**SOC56 LS Economics** **Credit: 0.5**

This course is designed to provide a basic understanding of the relationship between economics, social, and political issues. Emphasis is placed on the philosophy, development and operation of our free enterprise systems and its influence on the individual and society. Topics include: microeconomics, macroeconomics, international economics, comparative economics, and personal finance.

**Duration: 1 semester**

**Graduation Requirement Satisfied: Social Studies**

