

COLORADO RIVER UNION HIGH SCHOOL DISTRICT

Course Description Catalog

Grades 9-12

2024-2025



Achievement For All

COLORADO RIVER UNION HIGH SCHOOL DISTRICT
Course Description Catalog
Grades 9-12
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If there are any conflicts between language in the document and school board policy, school board policy shall supersede that language

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Course Catalog

This catalog lists the high school courses offered in Colorado River Union High School District. Students need to carefully consider the information in this catalog so they can make informed decisions about their course of study while attending a District high school. It is important that students make thoughtful course selections during the spring pre-registration period because course offerings and teacher assignments are based upon what students select during the pre-registration.

Counselors are available to assist students with course selections and to answer questions about their schedules.

Please note the following:

It is important to review graduation requirements before making course decisions.

Universities, colleges, and vocational schools have entrance requirements that may exceed high school graduation requirements. Some courses have prerequisite requirements. Students must complete the prerequisites before enrolling in these classes.

This catalog lists courses available at all the high schools in Colorado River Union High School District (CRUHSD) unless noted in the course description. Although a course is listed, it will not be offered unless a sufficient number of students register for the class.

Students enrolled in AP courses are required to take an end of course exam, failure to do so will result in loss of the AP designation on the transcript. A student who withdraws from a year-long advanced course (AP), at any time, will have their grade reassigned to the unweighted scale.

IN ANY CIRCUMSTANCE WHERE A CONFLICT EXISTS BETWEEN THE LANGUAGE IN THIS CATALOG AND SCHOOL BOARD POLICY, THE SCHOOL BOARD POLICY SHALL PREVAIL.

Enrollment, Dual & Concurrent Enrollment, Transfer of credit, AOI

Enrollment and Concurrent Enrollment

In addition to board policy Policy 5-102 and 5-102. A, Enrollment Requirements, a student must present the CRUHSD school with a properly executed withdrawal from another institution if they previously attended another school in this state.

Per ARS 15-901.01 The Colorado River Union High School District defines "Concurrent coursework and Enrollment" only as courses at a community college, under the jurisdiction of a community college district in this state or at a university under the jurisdiction of the Arizona board of regents in the required or elective subjects that satisfy high school graduation requirements pursuant to section 15-701.01.

College Concurrent Enrollment

Only pre approved courses may be accepted from college for CRUHSD high school credit. This approval must be done through the high school principal or their designee. Only courses level 100 or above may be transferred. Students must provide official transcripts from the college to receive credit. .

College Dual Enrollment

Dual Enrollment credits are offered for specific classes. These courses are taught at the high school by teachers with college certification and students will earn both high school and college credit. Pre- approval to enter a dual enrollment class is required.

The following are guidelines for transfer to high school credits:

High School credit is usually earned when a student regularly attends class and satisfactorily completes the requirements of a CRUHSD course. Courses that meet daily for a semester represent 0.5 credit. Those that meet daily for an entire school year represent 1.0 credit. It is necessary to standardize other ways by which a student may earn high school credits and satisfy graduation requirements. Honors courses completed in another district must correlate with the rigor of CRUHSD Honors courses in order for weighted credit to be awarded.

A transfer credit may or may not

- Count toward the number of credits required for graduation
- Fulfill a subject area graduation requirement
- Be used to calculate grade point average
- Be weighted or not be weighted for high school purposes, but not be weighted for college admission
- Meet the entrance requirements for Arizona Universities

The Following guidelines may be followed when a student registers without completing the previous semester:

- If the student is out of school less than 10 days (excluding Holidays) administer CRUHSD final exams for like courses and calculate the transfer grade with the final exam grade.
- If the student is out of school more than 10 days (excluding Holidays) , administer CRUHSD final exams for like courses and post the test out grade.
- Out of state transfer students could take a course for grade improvement

No core credit transfers automatically. All transfer credits are subject to review by the school Principal or their designee, regardless of the sending institution. Transferring core courses must be provided by an accredited school (NCA or AdvancedEd). CRUHSD may accept HomeSchool and Religious coursework after review by the site Principal.

Arizona Online Instruction / High School Course Credit

Students who take an AOI course not pre-approved by a CRUHSD counselor or Principal and receive credit for courses through the AOI organization will have those credits accepted as elective credits only unless a test - out is taken and passed successfully. For core credit, the grade on the test - out exam will be reflected on the CRUHSD transcript. A student may elect to maintain the elective credit and the grade on the AOI transcript will be reflected on the CRUHSD transcript. Any other out of state course credit must be approved by the school Principal or their designee. A maximum of (3) credits (over a student's 4 years) from a non - CRUHSD school or external AOI organization.

Students who transfer in from an AOI school mid - semester may be enrolled in CRUHSD courses, however any courses taken will be on an audit basis for the remainder of the semester. Full credit may be awarded at the end of the semester if attendance and academic expectations have been met.

Transfer students who plan to graduate from a CRUHSD school will be held responsible for CRUHSD graduation requirements. All coursework completed outside CRUHSD will be evaluated to determine if credit will be awarded. The acceptance of credits from other schools is based upon a variety of factors, such as the grades earned in the sending schools, the number of days or hours the courses met, the alignment of course content between the sending schools and the receiving CRUHSD school, and the regional accreditation status of the sending schools. It is advisable that students have transferring credits evaluated prior to registering. CRUHSD reserves the right to require entering students to take placement tests to determine the most appropriate placement or to demonstrate minimum competency for core credit transfer and grade.

Course Credits

One unit of credit is granted to students who receive a passing grade in a course that meets for one period during the entire academic year. One-half unit of credit is granted to students who receive a passing grade in a one-semester course. Each course meets for one semester and students who successfully pass will receive one-half credit for each semester of enrollment.

Freshmen, sophomores, and juniors are required to take six courses. Seniors may enroll in a minimum of four courses if they are on track to meet graduation requirements. Seniors need to review their credits with a counselor to ensure that all graduation requirements are being met.

Education and Career Action Plan

On February 25, 2008 the Arizona State Board of Education approved Education and Career Action Plans (ECAP) for all Arizona students grades 9-12 (R7-2-302.05). Schools shall complete for every student in grades 9-12 an Arizona Education and Career Action Plan. An ECAP reflects a student's current plan of coursework, career aspirations, and extended learning opportunities in order to develop the student's individual academic and career goals.

Program Planning

All students, in consultation with their families, need to develop a four-year high school plan of study in order to prepare for college, vocational or technical studies, or the job market. To assist with this planning, review the chart below. It lists the course requirements for high school graduation.

In addition to these requirements, students are required to pass the state mandated Arizona State Civics Exam with a 70% or higher and Students will receive CPR training with an added, hands on portion.

Special Education students are required to complete the course of study as prescribed in their Individual Education Plan (IEP) and transition plan.

Curriculum Area	CRUHS Minimum Graduation Requirements	Arizona University Entrance Requirements	Types of Classes Recommended for University Bound Students
English	4 credits	4 credits	American Literature Composition English Literature World Literature
Math	4 credits	4 credits	Algebra I & II Calculus Geometry Precalculus Trigonometry
Laboratory Science	3 credits	3-4 credits	Biology Chemistry Physics Thinking Science
Social Studies	3 credits	2 credits	Civics Geography U.S. Government World Cultures World History
Career and Technical Education/Fine Arts	1 credit	2 credits	Art Dance Drama Music

Foreign Language	0 credit	2 credits Two years of the same language	French German Japanese Spanish
Physical Education and Health	1 credit	0 credit	
Required Courses	16 credits	18 credits	
Elective Courses	6 credits	4 credits	
Total Required Credits	22 credits	21-22 credits	

Sequence for English Courses

Honors/ Advanced Track	Freshman Year (9th Grade)	Sophomore Year (10th Grade)	Junior Year (11th Grade)	Senior Year (12th Grade)
	Honors English 9	Honors English 10	Honors English 11	Honors English 12
	Public Speaking (Elective)	Public Speaking (Elective)	DE English 101 (Fall)	DE English 137 (Fall)
	Debate (Elective)	Debate (Elective)	DE English 102 (Spring)	DE English 234 (Spring)
	Creative Writing (Elective)	Creative Writing (Elective)	Public Speaking (Elective)	Public Speaking (Elective)
	Mythology (Elective)	Mythology (Elective)	Debate (Elective)	Debate (Elective)
			Creative Writing (Elective)	Creative Writing (Elective)
			Mythology (Elective)	Mythology (Elective)

General/ Conventional Track	Freshman Year (9th Grade)	Sophomore Year (10th Grade)	Junior Year (11th Grade)	Senior Year (12th Grade)
	English 9	English 10	English 11	English 12
	Public Speaking (Elective)	Public Speaking (Elective)	Public Speaking (Elective)	Public Speaking (Elective)
	Debate (Elective)	Debate (Elective)	Debate (Elective)	Debate (Elective)

Sequence for Math Courses

Honors Advanced Track	Freshman Year (9th Grade)	Sophomore Year (10th Grade)	Junior Year (11th Grade)	Senior Year (12th Grade)
	Honors Algebra 1	Honors Geometry	Honors Algebra 2	Advanced Algebra & Trigonometry
	Honors Geometry	Honors Algebra 2	Advanced Algebra and Trigonometry	DE MAT 151 College Algebra (Fall)
			DE MAT 142 College Math (Fall)	DE MAT 181 Plane Trigonometry (Spring)
			DE MAT 151 College Algebra (Spring)	DE MAT 142 College Math (Fall)
			DE MAT 211 Intro to Statistics (Spring)	DE MAT 211 Intro to Statistics (Spring)

General/ Conventional Track	Freshman Year (9th Grade)	Sophomore Year (10th Grade)	Junior Year (11th Grade)	Senior Year (12th Grade)
	Algebra 1	Geometry	Algebra II	Statistics
		Algebra II	Statistics	CTE Requirement
			Financial Algebra	DE MAT 142 College Math (Fall)
				DE MAT 211 Intro to Statistics (Spring)

				Financial Algebra
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Sequence for Science Courses

Honors/ Advanced Track	Freshman Year (9th Grade)	Sophomore Year (10th Grade)	Junior Year (11th Grade)	Senior Year (12th Grade)
	Honors/Pre AP Environmental Science	Honors Physical Science	Honors/Pre AP-Biology	Honors Chemistry
			DE BIO 181 Biology (Fall)	Honors Physics
			DE BIO 182 Biology (Spring)	DE BIO 181 Biology (Fall)
			AP Biology	DE BIO 182 Biology (Spring)
				AP Biology
				Anatomy and Physiology
				DE GLG 101 DE Physical Geology (Fall)
				DE GLG 110 Environmental Geology and Natural Disasters (Spring)
				Biology 2

Sequence for Science Courses (cont.)

General/ Conventional Track	Freshman Year (9th Grade)	Sophomore Year (10th Grade)	Junior Year (11th Grade)	Senior Year (12th Grade)
	Environmental Science	Physical Science	Biology	Chemistry
				Physics
				Anatomy and Physiology
				Biology 2

Sequence for Social Studies Courses

Honors/ Advanced Track	Freshman Year (9th Grade)	Sophomore Year (10th Grade)	Junior Year (11th Grade)	Senior Year (12th Grade)
	None	Honors World History	AP US and AZ History	DE US Government (1 Semester)
			DE US and AZ History	Free Enterprise/Economics (1 Semester)

General/ Conventional Track	Freshman Year (9th Grade)	Sophomore Year (10th Grade)	Junior Year (11th Grade)	Senior Year (12th Grade)
	None	World History	US and AZ History	US Government (1 Semester)
				Free Enterprise/Economics (1 Semester)

Course Credits Required by Diploma Type

Courses	Standard Diploma	CTE Diploma	Scholars Diploma	AP Capstone	Hardship / Appeal Diploma
<i>English</i>	4 credits	4 credits	4 credits	4 credits	4 credits
<i>Math</i>	4 credits	4 credits	4 credits	4 credits	4 credits
<i>Science</i>	3 credits	3 credits	3 credits	4 credits	3 credits
<i>Social Studies</i>	3 credits	3 credits	3 credits	3 credits	3 credits
<i>Foreign Language</i>	0 credits	0 credits	2 credits	2 credits	0 credits
<i>Fine Arts or CTE</i>	1 credit	4 credits	1 credit	1 credit	1 credit
<i>Physical Education</i>	1 credit	1 credit	1 credit	1 credit	1 credit
<i>Electives</i>	6 credits	4 credits	5 credits	4 credits	5 credits
<i>Freshman Success Course</i>	1 credit	1 credit	1 credit	1 credit	1 credit
GPA	No minimum requirement	2.5 Minimum	3.5 Minimum	3.5 Minimum	N/A

CRUHSD Diploma Options (Beginning with class of 2027)

AP Courses in lieu of Gen Ed courses	No requirement	No requirement	2 AP or DE credits required	6 AP credits required	No Requirement
Total Credits	23 credits	24 credits	24 credits	24 credits	22 Credits

**Hardship Appeal Diploma- 22 credits (class of 2027 and beyond) with documentation presented to a hearing panel that will consist of the Principal, a teacher, and a counselor. Students may not apply for the Hardship appeal until the fall of their Senior year and must do so, no later than February 1st unless approved by the Principal.*

Arizona Academic Scholars

Arizona State Scholars are high school students who have completed the Scholars Course of Study, a specific sequence of academic courses in math, science, language arts, and social studies. The Arizona Academic Scholars philosophy is based on the belief that it is better to pass an academically challenging course than to get a higher grade in an easier course. Arizona Academic Scholars receive special recognition for their academic achievements during high school and upon graduation. The course of study is as follows:

COURSES	YEARS
English	4
Mathematics	4
Science	3
Social Studies	3
Language other than English (2 years of the same language)	2

To qualify as an Arizona Scholar, students must have earned a C or better in the above classes and meet all other CRUHSD graduation requirements. See your school counselor for further details.

Cross-Credit Courses

The following list of courses may be used to substitute for credit in other areas. A more detailed description of each course is provided within the catalog. Courses that may be used or applied toward the physical education requirement, if the Fine Arts requirement is already met: Dance, Color/Winter Guard, Marching Band and JROTC.

Advanced Math Students in 7th and 8th Grade

Students are eligible to receive math credit for courses Algebra I or higher starting in grade 7. However, all students must complete a minimum of four math courses for high school credit while enrolled in grade 9 or later in order to meet CRUHSD graduation requirements. The 8th Grade Algebra 1 class will be accepted as an elective credit if the student passed the class with a D or higher. Students who have taken Algebra 1 in 8th grade or before, may be required to pass an exam before credit is awarded. Students who passed Algebra 1 in 8th grade with a grade of C or higher, will be enrolled into an Honors Algebra 1 class. Parents and students, who think that they have the requisite skills may choose to take an Algebra 1 exam to test out of the Honors Algebra 1 class and receive a full math credit for Algebra 1. Students will need to pass this test with a 70% to receive Algebra 1 credit and to get into Geometry or Algebra II. Students will need to take this test before the 3rd week of the semester.

Admission to Colleges and Universities

Admission requirements to colleges and universities vary greatly. Students should review the catalog of the college or university they are interested in attending in order to become familiar with entrance requirements. Many college catalogs are available in the counselor's office and the career center.

Applicants to Arizona universities must meet the following general requirements: For unconditional admission, students must rank in the upper 25 percent of their high school graduating class or have an overall minimum grade point average of 3.0 on a 4.0 scale, or have a minimum score of 22 on the ACT or a minimum score of 1040 on the SAT, and complete the course requirements.

For conditional admission, a student must rank in the upper 50 percent of their high school graduating class, have an overall minimum grade point average of 3.0 on a 4.0 scale. A student may have a deficiency in any two subjects under coursework requirements.

NCAA Eligibility: All prospective student athletes who intend to participate in Division I or Division II Athletics as freshmen in college must register and be certified by the NCAA Eligibility Center. See your counselor for details and registration procedures.

Out-of-state schools have additional requirements and differ considerably. It is suggested that the student send for an out-of-state catalog to become familiar with specific requirements.

Dual Enrollment and Concurrent Enrollment Transfer of Credit

Students who are taking dual enrollment or concurrent enrollment classes may have the ability to transfer back credits to their high school towards graduation. Students may transfer college English, Math, Social Studies, Science, CTE or Foreign Language credits if the following criteria are met:

- The course is not offered at the high school
- The course would fulfill a graduation requirement
- The college course has a 100 level or higher designation
- All underclassmen must remain enrolled in 6 credit bearing classes and core content

Students who have transfer credits back to the high school must provide an official transcript to the school. The grade from the transcript will be entered into the high school course history. Alpha grades are recorded on the transcript but do not impact overall GPA. College coursework is not considered a “weighted” or “honors” class.

Explanation of Grades (Beginning with class of 2027 and beyond) Non-Weighted Classes

All courses taught for credit receive a letter grade or a pass/fail option. The final examination may not count for more than 20 percent of the final grade. Grade point values and the percentage used to determine each grade are listed below.

Percentage	Letter Grade	Grade Point Value	Honors/AP Grade Point Value
90-100	A	4.0	5.0
80-89	B	3.0	4.0
70-79	C	2.0	3.0
60-69	D	1.0	2.0

P/F Pass/Fail (option only available for student aide)	I = Incomplete (maximum length of time to complete a course is 10 days into the next semester) If not completed the incomplete	W = Withdrawn W/P = withdrawn with a passing grade (not calculated in GPA) W/F = withdrawn with a failing grade (calculated as an "F")	AU = Audit (student did not meet course attendance requirements).
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	turns to "F"		
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Weighted Classes

Weighted grades are assigned to courses that are accelerated and more challenging. A 5.0 grade-point value is possible because of the academic rigor and higher expectations in the work required for that course. The grade-point values for these grades are: A=5.0, B=4.0, C=3.0, D=1.0, F=0. Weighted courses are listed with Honors, Pre-AP, AP (Advanced Placement), designations in their titles. Students are required to sit through the entire course and take the corresponding AP exam to earn the weighted grade. Grade point average (GPA) for transferring students is recomputed in order to align the transferring classes with the courses offered at Colorado River Union District high schools. Students transferring among CRUHSD high schools will receive weighted grades only for those classes that align to the receiving school's AP/Honors classes.

A student who withdraws from a year-long advanced course (AP), at any time, will have their grade reassigned to the unweighted scale.

Pass/Fail Option

The pass/fail option is only available for student aides.

GPA & Class Rank (Class of 2027 & beyond)

Grade Point Averages (GPA) and Class Rank will be calculated upon the completion of the 1st and 2nd semester after grades have been posted. Seniors will be ranked and have their GPAs calculated after their finals are recorded in their 8th semester. This result will be used to determine the weighted and unweighted GPAs. Seventh semester weighted GPA will determine the Valedictorian and Salutatorian for the graduating class.

Students Registering After the 20th Day of a Semester (class of 2027 & beyond) If a student registers in a CRUHSD School after the 20th day of the semester and has not attended any school during the past 20 school days, the student may be registered and have the opportunity to earn credit if missed work is made up according to the requirements of the classroom teachers.

Grades When Students Withdraws from School/Courses (class of 2027 & beyond)

If a student withdraws from school to enter another school, the transcript will reflect the grades earned at the date of withdrawal. Students requesting to withdraw from a course while remaining enrolled in CRUHSD, must receive administrative approval. Freshmen, sophomores and juniors are expected to enroll in a minimum of (6) courses.

Seniors, who are on track for graduation must be enrolled in a minimum of four classes for

the first semester and at least five courses in the 2nd semester to be eligible to graduate.

Seniors who would like to request an early release schedule must apply with their counselor and are required to obtain a credit check and administrative approval. Late start is not permitted. Approved withdrawals from courses will be posted on the student's transcript according to the following timeline:

- Schedule changes within the first ten (10) days of the semester will not be reflected on the transcript. No schedule changes will occur after the first 10 days of the semester.
- Withdrawals from the 11th day to the end of the quarter in each semester will be posted with a "W".
- Withdrawals between the quarter of the semester to twenty (20) days prior to the end of the semester will be posted as "W/P" or "W/F."
- No withdrawals are permitted within the last twenty (20) days of the semester.

Transfer of Credits from Other Schools Outside CRUHSD (class of 2027 & beyond)

Acceptance of transfer credits from sources outside the Colorado River Union High School District is not automatic. Coursework completed outside the District will be evaluated to determine whether or not credit will be awarded based on how closely the courses align with the District's curriculum, the school's accreditation status, and alignment with Arizona Academic Standards. Courses taken outside the district may be subject to End of Course Assessments to determine placement and final grade that will be transferred. Honors courses taken in another district must correlate with CRUHSD honors courses in order for weighted credit to be awarded. CRUHSD reserves the right to require entering students to take placement tests to determine appropriate placement and minimum competency for core credit transfer.

Transfer students who plan to graduate from a CRUHSD high school will be held responsible for CRUHSD graduation requirements. In addition, students must earn at least two (2) credits from one of the District high schools, and be enrolled in the school granting the diploma for at least one full semester the semester of graduation.

Computer-Based/Distance Learning Programs Outside CRUHSD (class of 2027 & beyond)

The district will accept the transfer of credits from schools/districts other than Colorado River Union High School District to meet the district's high school graduation requirements as follows:

- The same course or a similar course is offered in the CRUHSD curriculum.
- Religious study courses and courses such as study hall may not be accepted for transfer credit.
- Courses are accepted as elective credit only, unless a request is made by the parent/student within 10 days following receipt of a transfer

credit evaluation form to test for consideration of "core" credit. Students may request to take an end of course/semester exam in core courses required for graduation (mathematics, language arts, reading, social studies, science and world languages). Students with credits from an online institution will be given a "prescriptive test" to demonstrate minimum competency (60%) core credit may be granted. Students who do not demonstrate minimum competency will be required to complete the core credit.

Attendance Requirements

Since regular attendance is a key to academic success, students need to be in attendance daily. School attendance is the responsibility of the student and their family.

- There are two types of absences: excused and unexcused.
- Each unexcused absence will result in teacher and/or administrator action, or both.
- A student should attend 90 percent of class sessions to receive credit. Failure to meet this standard may lead to withholding of credit. Cases involving prolonged illness or unusual circumstances will be reviewed by the school administration.
- Release time is given only with permission of a parent or guardian.
- Teachers are responsible for recording daily attendance or tardiness.
- Tardies will be dealt with according to the district policy.

Please review the attendance procedures and policies listed in the student handbook for additional information.

Correspondence Courses and Distance Learning Courses

Distance learning courses may be accepted toward the graduation requirements from providers outside Colorado River Union High School District. Students should consult with their counselor before enrolling in courses outside the Colorado River Union High School District to ensure that the credit will transfer.

Credit Advancement

.5 Credit advancement is available via the district alternative learning platform if there is a license available.

Classes Taken a Second Time or Repeated for a Better Grade Repeating classes to improve a grade must be pre-approved by the administrator that oversees curriculum. When a 9-12 grade core class is taken a second time and credit has already been earned, both classes and grades will be listed on the official transcript. The original course will remain the one that GPA is calculated from and when a course is repeated it will not be considered in GPA recalculation.

Credit Recovery

Repeating a class when a student has initially failed the course is considered credit recovery. If available on the site, the student may have the option to repeat this in an online format. Any credit awarded is achieved when the student completed the online equivalent of the course they failed prior.

Advanced Placement Courses: A Deposit of \$20.00 for the exam will be collected at registration for all Advanced Placement (AP) courses available at all CRUHSD high schools. AP courses prepare students to take the Advanced Placement examinations given in late spring of each school year. Students may be granted college credit on the basis of how well they perform on these tests. Information regarding AP courses and examinations are available from the counseling offices of each high school or online at <https://ap.collegeboard.org/>. Students are not required to take an AP course to be eligible to take an advanced placement examination; however, students enrolled in AP courses are expected to take the AP exam. AP/Honors classes are not available to homebound students.

A student who withdraws from a year-long advanced course (AP), at any time, will have their grade reassigned to the unweighted scale.

Dual credit from a college or university course may be granted if prior approval has been received. See school administration for specific information. Dual credit courses require the payment of tuition to the cooperating community college which may be covered by the Intergovernmental Agreement unless the student earns a grade below an 80% in the course. Dual enrollment credit is earned when the course is taken at a high school in Colorado River Union High School District. The courses must be approved by the Principal in charge of curriculum.

AP Capstone Program

AP Capstone™ is a College Board program that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. It cultivates curious, independent, and collaborative scholars and prepares them to make logical, evidence-based decisions.

AP Capstone comprises two AP courses — **AP Seminar** and **AP Research** — and is designed to complement and enhance the discipline-specific study in other AP courses. Participating schools can use the AP Capstone program to provide unique research opportunities for current AP students, or to expand access to AP by encouraging students to master the argument-based writing skills that the AP Capstone program develops.

Career and Technical Education (CTE)

Career and technical education covers a variety of challenging fields in diverse subject areas which are constantly evolving due to the changing global economy. Some of the career areas that students may enter through career and technical education include: **Industrial and Emerging Tech** (automotive technicians, carpenters, Digital Photography, Digital Printing, Film and TV, Fire Science, Graphic Design, law and public safety, Software and App Design, Welding technologies); **Business and Marketing** (Business Management, Software and App Design); **Family and Consumer Sciences** (Culinary arts, Early Childhood, Education Professions); **Health Occupations** (Nursing, Sports Medicine, Medical Assisting Services, Pharmacy Support Services); **Education and Training** (Early Childhood, Education Professions). CTE consists of 2-year programs in order to be a completer in the program a student must complete 2 full years and pass the Technical Skills Assessment. Program Level 3 and 4 students need to complete an application to be accepted into those program levels.

CTE prepares young adults for a wide range of careers. These careers may require varying levels of education – from high school and postsecondary certificates to two- and four-year college degrees. Career and technical education is offered at CRUHSD Schools through on campus programs. Through CTE, students are encouraged to participate in Career & Technical Student Organizations (CTSO's). CRUHSD CTSOs include Future Business Leaders of America (FBLA), SkillsUSA, HOSA (Health Occupations Students of America) and FCCLA (Family Career & Community Leaders of America).

Internships

Senior students who have completed a CTE Program Sequence may be offered opportunities for internships related to their CTE Programs while in high school through CTE. Check with your counselor for CTE program instructor contact information or contact the CTE Director, Scarlett Vargas @ scvargas@crsk12.org for more information and to see if you are eligible.

Instructional Time Model

Instructional Time Model (ITM) is used to meet instructional hour requirements through things like remote instruction, project-based learning, mastery-based learning, weekend courses, and evening courses. Instructional times and schedules may be staggered for students and courses or other instructional time options may be offered on the weekends or in the evenings to allow students to not attend or complete school days or instructional time at the same time. CRUHSD Instructional Time Model was developed to meet our student needs.

Western Arizona Vocational Education (WAVE)

Colorado River Union High School District partners with the **Western Arizona Vocational Education**; however, WAVE is a separate school district apart from the Colorado River Union High School District. Counselors at CRUHSD high schools can provide detailed information on entrance requirements and program specifications.

Mohave Community College & CRUHSD CTE

Mohave Community College has a partnership with CRUHSD CTE. Students are bused over to Mohave Community College in the morning four days a week to take CTE Programs while at the same time earning concurrent enrollment credit. CTE pays for most expenses including tuition, books, and uniforms for students who are in the WAVE Program. **NOTE, WAVE pays for the tuition on students who earn a passing grade and complete the semester. Any student dropping the college class(es) before the end of the semester and/or failing the class(es) will be responsible for paying back the tuition to WAVE. Failing grades can impact future financial aid and/or scholarship opportunities at the college, so the student must take the WAVE CTE classes seriously.** While not at MCC, the student will report to home room teachers to work on their MCC work.

CRUHSD COURSE DESCRIPTIONS

Please note that not all courses will be offered every semester.

Freshman Success (class of 2027 & beyond)

Freshman Success Course - MI_133 & MI_134

Grade 9

Full year, 1 credit

Prerequisites: None

Freshman success introduces students to a variety of career fields, critical thinking skills, keyboarding, professionalism, effective and professional communication, teamwork, collaboration, work ready data, math, and reading. These skills will be reached through the completion of the basic soft skills applications. Youscience career connections and CRUHSD high school success criteria curriculum. This course is designed to assist students envision a future that is productive, achievable, and stimulating. It also assists the students in recognizing the value of education while motivating them to challenge themselves and strive for higher achievement. By the end of the course, students will understand the career planning process, become career-focused, develop a personalized 4-year plan and possess the skills, aptitudes, and attitudes needed to successfully transition into high school, post-secondary education and/or training, the workforce, and adulthood. Also, students will develop some technology skills that will help them be successful within their four high school years and beyond. All freshmen starting with the class of 2027 are required to pass this course for graduation.

English Courses and Related Electives

English 9 A & B – ENG_330 & ENG_333

Grade 9

Full year, 1 credit

Prerequisites: None

This course emphasizes writing skills, literature, and vocabulary. Writing activities give students practice in organizing and developing narrative, cause and effect, and compare and contrast compositions, literary reviews and research papers. Mastery of the writing process is expected. In addition, students study short stories, novels, poetry, and a Shakespearean play.

***Honors English 9 A & B – ENG_346 & ENG_347**

Grade 9

Full year, 1 credit

Prerequisites: Instructor approval

This curriculum is designed to develop advanced language, literature and analysis skills. Emphasis is placed on mastering grammatical concepts, improving writing, and using literature as a basis for writing. Students at this level are expected to display higher level thinking skills and advanced analytic skills in both reading and writing.

***Honors/Pre AP English-One 9 A & B - ENG_633 & ENG_634**

Grade 9

Full year, 1 credit

Prerequisite: Instructor approval

The Pre-AP English areas of focus are vertically aligned to the practices embedded in high school and college English courses, including AP. This gives students multiple opportunities to prioritize and strengthen key literacy skills throughout their course of study. Reading closely: Students read closely and analyze a range of complex literary and informational texts. Valuing evidence: Students evaluate textual evidence and incorporate it effectively in writing and speaking. Noticing language choices: Students understand how writers and speakers use specific words and sentences to move the thoughts, emotions, and actions of readers and listeners.

English 10 A & B – ENG_320-ENG_321

Grade 10

Full year, 1 credit

Prerequisites: English 9

This course emphasizes organizing, developing, editing and revising compositions. Literature studies introduce literary terminology, critical and analytical reading and appreciation of literature.

***Honors/Pre AP English-Two 10 A & B - ENG_635 & ENG_636**

Grade 10

Full year, 1 credit

Prerequisite: 70 % or greater in Pre AP/Honors English 9 and/or teacher recommendation

The Pre-AP English areas of focus are vertically aligned to the practices embedded in high school and college English courses, including AP. This gives students multiple opportunities to prioritize and strengthen key literacy skills throughout their course of study. Reading closely: Students read closely and analyze a range of complex literary and informational texts. Valuing evidence: Students evaluate textual evidence and incorporate it effectively in writing and speaking. Noticing language choices:

Students understand how writers and speakers use specific words and sentences to move the thoughts, emotions, and actions of readers and listeners.

English 11 A & B – ENG_326 & ENG_327

Grade 11

Full year, 1 credit

Prerequisites: English 10

English 11 offers an integrated program of writing and literature, focusing on the study of American Literature and persuasive/argumentative writing. Students will also write a compare and contrast composition, research paper, narrative, and a literary analysis.

***AP English Language & Composition 11 A & B – ENG_360 & ENG_361**

Grade 11 or 12

Full year, 1 credit

Prerequisites: 70% or greater in Pre AP/Honors English 10

This course is designed to prepare students for the Advanced Placement English Language and Composition Exam. It is also a first-year preparation course for the higher-level AP exam. This rigorous and challenging course focuses on language analysis, literary analysis and advanced composition. This college-level course entails a good deal of independent reading and writing, including argumentative writing and research. It is recommended that students who take this course have above average listening, reading, writing, and computer skills. Please note that this class uses a college-level reading list, which is available from the instructor upon request.

***Honors English 11 A & B – ENG_344 & ENG_345**

Grade: 11

Full year, 1 credit

Prerequisites: 70 % or greater in Honors English 10 and Honors 9 This course explores a detailed studies approach to works written in English in which students examine a variety of genres and themes. Skills focus upon close reading techniques, language affects, written literary analysis and oral commentary. Literary pieces include global classics as well as works written by modern ethnic Americans. Instruction and assignments prepare students for ACT and SAT exams: individual oral commentary and individual oral presentation.

English 12 A & B – ENG_328 & ENG_329

Grade 12

Full year, 1 credit

Prerequisites: English 11

Senior English is a year-long course that integrates writing for a variety of purposes and audiences with literature study. Writing includes a focus on “real world” skills, including expository, communication, research and analysis. Universal themes in literature are explored in a variety of fiction, non-fiction, poetry and drama selections. Readings from a broad variety of authors (western civilization, world and British literature, multicultural literature, mythology, science fiction and fantasy literature) is analyzed., development of critical thinking, and writing for the argumentative/persuasive, research, and narrative genres. Academic resume writing is taught.

AP English Literature and Composition A & B – ENG_360 & ENG_361

Grade 11 or 12

Full year, 1 credit

Prerequisites: AP English 11

This is a college-level course designed to prepare students for the Advanced Placement English Literature exam. It is also the second-year preparation course for the AP exam. Both analytical and creative writing are accentuated, preparing students for the rigors of college composition by honing their abilities to write clearly, cogently, and stylistically. Entering students should have above average listening, reading, writing, time management, and organizational skills. Please note that this class uses a college-level reading list, which is available from the instructor upon request. Students will also critique two major novels and a play.

***Honors English 12 A & B – ENG_371 & ENG_372**

Grade: 12

Full year, 1 credit

Prerequisites: 70% or greater in Honors English 11

The focus of this course is an examination of classical works from world literature and American drama. Through a variety of literary genres, students will examine international works for themes, cultural influences, and the human experience. Literary analysis, social criticism and comparative analysis will also be emphasized. Students will practice written commentary on both examined and unexamined pieces, preparing them for ACT and SAT exams: two comparative studies of 1000-1500 words, a written commentary on an unseen text, and a written response to a series of curriculum-specific questions and individual oral commentary and a written response.

***DE ENG 101 English Composition I A – ENG_627**

Grade: 12

1 Semester, .5 credit

Prerequisites: Meet College Requirements/ See Counselor

English 101 introduces the fundamentals of academic reading and writing by focusing on development of critical reading skills and rhetorical writing skills useful in various academic and professional writing situations. Students will develop an effective writing process and express ideas in response to relevant issues and conversations. 3 College Credits earned upon successful completion of this course.

***DE ENG 102 English Composition II B – ENG_628**

Grade: 12

1 Semester, .5 credit

Prerequisites: Meet College Requirements/ See Counselor

English 102 continues the development of academic reading and writing with an emphasis on effective research skills and persuasive writing strategies. Students will learn to identify claims and evidence and to design rhetorically sound arguments supported by credible sources, logic, and/or reasoning. 3 College Credits earned upon successful completion of this course.

***DE ENG 137 Introduction to Literature A – ENG_629**

Grade: 12

1 Semester, .5 credit

Prerequisites: ENG 101

Introductory course in imaginative literature designed to provide students the skills necessary for understanding, appreciating, and analyzing works of fiction, poetry, and drama. 3 College Credits earned upon successful completion of this course.

***DE ENG 234 English Literature II B – ENG_630**

Grade: 12

1 Semester, .5 credit

Prerequisites: ENG 101

A general survey of English literature from the mid-eighteenth century to the late twentieth century. Includes representative readings from the Romantic, Victorian, Modern, and Postmodern periods. 3 College Credits earned upon successful completion of this course.

Creative Writing A & B – ENG_631 & ENG_632

Grades 10-12

Full year, 1 elective credit

Prerequisites: None

This course is for students who are interested in developing their creative writing skills. They will have an opportunity to investigate their ideas and opinions about the world and to express them in powerful, effective language. Students read and write poems, plays, short stories, and autobiographies to discover the characteristics of literary forms. May be repeated for elective credit.

Yearbook Staff A & B – CTE_679 & CTE_678

Grades 10-12

Full year, 1 elective credit

Prerequisites: Instructor approval

Members of this class will produce the school yearbook. This will include all planning, writing, photography, and page design for the book, as well as supervising its distribution. Students should have a background in writing, photography, computers, and graphic design. There is after school, evening and weekend work. May be repeated for credit.

***DE COM 100 Introduction to Communication A & B – ENG_626**

Grade: 10, 11, 12

Prerequisites: Meet College Requirements/See Counselor Multiple measures discussion, or appropriate score on placement exam, or completion of PCS 021 and TRE 089 with an 'S'

Introduces the theory and practice of human communication as it occurs in intrapersonal, interpersonal, small group, large group, mass media, and new technologies, as well as organizational and intercultural contexts. 3 College Credits earned upon successful completion of this course.

ENGLISH LANGUAGE LEARNERS

Arizona laws have established guidelines for English Language Learner (ELL) programs. The following courses meet those guidelines.

SEI English Language Arts & Writing - ENG_622-ENG_625

Grades 9-12

Full year, 1 English Credit

Prerequisite: Identification as a Pre-Emergent, Emergent, or Basic English Learner by assessment using the Arizona English Language Learner Assessment (AZELLA) scores.

This course will focus on the development of writing skills based on the Arizona English Language Proficiency Standards, the Arizona English Language Standards, and the Florence Unified School District Language Standards. Students will receive one class period of daily intensive English writing instruction designed to prepare them for success in a school where the curriculum is delivered in English.

SEI English Reading - ENG_618-ENG_621

Grades: 9, 10, 11, 12

Full year, 1 elective credit

Prerequisite: Identification as a Pre-Emergent, Emergent, or Basic English Learner by assessment using the Arizona English Language Learner Assessment (AZELLA) scores.

This course will focus on the development of reading comprehension based on the Arizona English Language Proficiency Standards, the Arizona English Language Standards, and the Arizona Language Standards. Students will receive one class period of daily intensive English reading instruction designed to prepare them for success in a school where the curriculum is delivered in English.

SEI English Grammar & Conventions A & B - ENG_624 & ENG_625

Grades 9- 12

Full year, 1 elective credit

Prerequisite: Identification as a Pre-Emergent, Emergent, or Basic English Learner by assessment using the Arizona English Language Learner Assessment (AZELLA) scores.

This course will focus on the development of grammar skills based on the Arizona English Language Proficiency Standards, the Arizona English Language Standards, and the Gilbert Language Standards. Students will receive one class period of daily intensive English grammar instruction designed to prepare them for success in a school where the curriculum is delivered in English.

SEI Speaking, Listening, Reading & Vocabulary -ENG_620 & ENG_621

Grades 9-12

Full year, 1 elective credit

Prerequisite: Identification as a Pre-Emergent, Emergent, or Basic English Learner by assessment using the Arizona English Language Learner Assessment (AZELLA) scores.

This course will focus on the development of listening and speaking skills for English Language Learners. This course is designed to prepare students for success in school and the ability to comprehend English.

Mathematics Courses

Algebra I A & B – MATH_604 & MATH_605

Grades 9-12

Full year, 1 credit

Prerequisites: Math 8

This course is the foundation for high school mathematics courses. It is the bridge from the concrete to the abstract study of mathematics. Topics include simplifying expressions, evaluating and solving equations and inequalities, and graphing linear and quadratic functions and relations. Real world applications are presented within the course content and a function's approach is emphasized. Algebra topics focus on the concept of representing and analyzing mathematical situations and structures using algebraic representations. Structure and logic focus on algorithms and algorithmic thinking and the concept of using reasoning to solve mathematical problems in contextual situations.

Financial Algebra A & B – MATH_600 & MATH_601

Grades 9-12

Full year, 1 credit

Prerequisites: None

Financial Algebra is a semester course for upperclassmen, and the course is designed to develop a strong foundation in logical thinking and problem solving that will enable students to make informed decisions regarding matters of money and finance in their daily lives. This course furthers the development of functions, which include linear, exponential, piece-wise, quadratics, and step functions. Other topics studied include measures of center and spread, graphical representations of data, principles of finance economics, amortization, supply and demand, revenue and profit functions, loans, compound interest and continuous interest, credit card debt, car ownership, and budgets.

***Honors/Pre AP-Algebra I A & B - MATH_669 & MATH_670**

Grade 9

Full year, 1 credit

Prerequisites: Math 8 -85% or higher and 8th teacher approval

While the Pre-AP Algebra 1 framework is organized into four core units of study, the content is grounded in four big ideas, which are cross-cutting concepts that build conceptual understanding and spiral throughout the course. Since these ideas cut across units, they serve as the underlying foundation for the enduring understandings, key concepts, and learning objectives that make up the focus of each unit. A deep and productive understanding of the concepts presented in Pre-AP Algebra 1 relies on these four big ideas: Patterns of Change: Families of functions are uniquely defined by their patterns of change. Linear functions have a constant rate of change, quadratic functions have a linear rate of change, and exponential functions have a constant multiplicative rate of change. Representations: Functions and equations can be represented graphically, numerically (in tables), algebraically (with symbols), or verbally (in words). Algebraic forms of functions and equations can be purposefully manipulated into equivalent forms to reveal certain aspects of the function/equation. Modeling with Functions: Functions can be used to model real-world phenomena. A function derived from a real-world context can be manipulated free of its context, but the solution must be translated back in order to interpret its meaning in context. Solutions: A solution to an equation or inequality is a value or set of values that makes the equation or inequality true. Solutions can be found by applying rules of algebra to symbolic expressions, examining a graph of the equation or inequality, or testing numerical values.

Geometry A & B – MATH_614 & MATH_615

Grades 9-12

Full year, 1 credit

Prerequisites: Algebra I

This course integrates Algebra with the skills and concepts of Geometry. It is a comprehensive course featuring coverage of geometric terms and processes, logic and problem solving. This course includes topics such as parallel lines and planes, congruent triangles, inequalities and quadrilaterals. Emphasis is placed upon reasoning and problem-solving skills gained through study of similarity, areas, volumes, circles, and coordinate geometry. Geometric properties will be used to analyze the attributes and properties of two and three-dimensional shapes and develop mathematical arguments about their relationships. Students will learn to use logic, reasoning and mathematical proofs to evaluate situations and select problem-solving strategies.

***Honors Geometry A & B – MATH_624 & MATH_625**

Grade 9-10

Full year, 1 credit

Prerequisites: Algebra I (8th grade) grade of A or B or Honors Algebra I Honors Geometry is designed to explore topics in an organized, logical way, with an emphasis on proof. Students will cover the regular curriculum in greater depth and detail. Topics will include: inductive and deductive reasoning, points, lines, planes, angles, 2 and 3 dimensional geometric figures, transformations, relationships in triangles, triangle congruence proofs, similarity, and right-triangle trigonometry.

***Honors/Pre AP-Geometry with Statistics A & B - MATH_673 & MATH_674**

Grade 9—10

Full year, 1 Credit

Prerequisite: Algebra I (8th grade) grade of A or B in Honors Algebra 1, and/or teacher recommendation

While the Pre-AP Geometry with Statistics framework is organized into four core units of study, the content is grounded in three big ideas, which are cross-cutting concepts that build conceptual understanding and spiral throughout the course. Since these ideas cut across units, they serve as the underlying foundation for the enduring understandings, key concepts, and learning objectives that make up the focus of each unit. A deep and productive understanding in Pre-AP Geometry with Statistics relies on these three big ideas: Measurement:

Measurement provides relatable real-world applications in one, two, and three dimensions.

Transformation: An understanding how data distributions are affected by transformations enhances the connections between probability and statistics. Comparison and Composition: Throughout mathematics, new and more complex concepts are understood in terms of simpler, previously explored concepts. In geometry, this mode of thinking allows for the deconstruction of two- and three-dimensional shapes for further investigation. This interpretation relies on the recognition that complex objects are composed of, and can be compared to, simpler objects. For statistics, this means using measures of center and spread to characterize complex data distributions.

Algebra II A & B – MATH_606 & MATH_607

Grades 9-12

Full year, 1 credit

Prerequisites: Geometry

This course expands on the topics of Algebra I and provides further development of the concept of a function. Topics include relations, functions, equations and inequalities, conic sections, polynomials, algebraic fractions, logarithmic and exponential functions, sequences and series and counting principles and probability.

***Honors Algebra II A & B – MATH_622 & MATH_623**

Grades 9-12

Full year, 1 credit

Prerequisites: Honors Geometry and/or teacher recommendation This course is an accelerated course that is designed for students who have demonstrated a high level of ability in previous math courses. Students will move at a faster pace and examine topics in greater detail than in Algebra II. Students will model and solve real-life situations dealing with such topics as probability, statistics, algebraic functions, geometry, and trigonometry.

***Honors/Pre AP-Algebra II A & B - MATH_671 & MATH_672**

Grades 9-11

Full year, 1 credit

Prerequisite: Pre AP-Geometry with statistics and/or teacher recommendation While the Pre-AP Algebra 2 framework is organized into four core units of study, the content is grounded in three big ideas, which are cross-cutting concepts that build conceptual understanding and spiral throughout the course. Since these ideas cut across units, they serve as the underlying foundation for the enduring understandings, key concepts, and learning objectives that make up the focus of each unit. A deep and productive understanding in Pre-AP Algebra 2 relies on these three big ideas: Function: Studying patterns through the lens of a function model provides insights that lead to reasoned predictions and sound decision making. Operations with Functions: A thorough understanding of how to use function operations to construct more complex and nuanced function models is critical to the success of the mathematical modeling process. Inverse Functions: Solving an equation often relies on undoing an operation with its inverse operation. Some of the functions covered in the course, such as exponential and logarithmic functions, are inverses of each other.

Financial Math A & B – MATH_675 & MATH_676

Grade 12

Full year, 1 credit

Prerequisites: None

This course introduces the student to the concepts, tools, and applications of personal finance and investments. This course concentrates on the fundamentals and underlying principles of personal finance. Building on the 15 axioms of personal finance, this course will help the student develop an intuitive understanding not only of the process of financial planning, but also the logic that drives it.

Quantitative Reasoning with Trigonometry A & B - MATH_677 & MATH_678

Grade 11-12

Full year, 1 credit

Prerequisites: Algebra II

This course is designed to prepare students for College Algebra. Students will study trigonometry and Algebra II in depth. Application of mathematics to the physical world is stressed. Students will master algebraic methods and properties. Students will analyze and interpret the behavior and nature of functions. The types of functions will include: polynomial, rational, exponential, logarithmic, absolute value, and piecewise. Other topics may include: systems of equations, matrices, combinations, permutations, sequences, series, conics, and data analysis with a focus on modeling and solving real-world problems. This course fulfills the state requirement of fourth year of math with Algebra II as a prerequisite.

Statistics – MATH_635

Grade 11-12

Full year, 1 credit

Prerequisite: Algebra II

This course introduces the student to the fundamental concepts and methods of statistics with emphasis on interpretation of statistical arguments. Topics include an introduction to design of experiments, data analysis, correlation and regression, concepts of probability theory, sampling errors, confidence intervals, and hypothesis tests.

***AP Statistics A & B – MATH_683 & MATH_684**

Grade 11-12

Full year, 1 credit

Prerequisites: Honors Algebra II

Students are introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes. 1. Exploring data, describing patterns and departures from patterns. 2. Sampling and experimentation, planning and conducting a study. 3. Anticipating patterns, exploring random phenomena using probability and simulation. 4. Statistical inference, estimating population parameters and testing hypotheses. It is expected that students will take the AP exam in May.

***Honors Pre-Calculus A & B – MATH_663 & MATH_664**

Grades 9-12

Full year, 1 credit

Prerequisites: Honors Algebra II

This is a rigorous honors course equivalent to college algebra and trigonometry at the university. This course prepares students for AP Calculus. Using algebraic manipulation, graphing and application, the following topics will be emphasized: functions, mathematical modeling, exponential and logarithmic equations, discrete mathematics and trigonometry.

***AP Calculus AB A & B – MATH_650 & MATH_651**

Grades 9-12

Full year, 1 credit

Prerequisites: Honors Pre-Calculus

This is the rigorous mathematics course equivalent to a first semester calculus class at a university. This course prepares students to sit for the AP examinations where a semester of college credit in calculus may be earned. Topics emphasized are differential and integral calculus.

***AP Calculus BC A & B – MATH_679 & MATH_680**

Grades 9-12

Full year, 1 credit

Prerequisites: Honors Pre-Calculus and AP Calculus AB

This is the rigorous mathematics course equivalent to a second semester calculus class at a university. This course prepares students to sit for the AP examinations where a semester of college credit in calculus may be earned. Topics emphasized are differential and integral calculus.

Math Studies A & B – MATH_681 & MATH_682

Grades 11-12

Full year, 1 credit

Prerequisite: Calculus

Designed for the student whose main interests lie outside the field of mathematics. Topics covered include algebra, probability, statistics and geometry.

***DE MAT 142 College Mathematics - MATH_638**

Grades 11-12

1 semester, .5 Credit

Prerequisite: College requirements/See Counselor

College Mathematics applies practical knowledge of college-level mathematics to real-life problems. Topics include critical thinking, proportional reasoning, linear and exponential growth and decay, geometry, personal finance, probability, and statistics, with an emphasis on understanding concepts and their applications. College Math is recommended for students majoring in the liberal arts, elementary education, and the social sciences whose major does not require College Algebra or

Precalculus. 3 College Credits earned upon successful completion of this course.

***DE MAT 151 College Algebra – MATH_612**

Grades 11-12

1 semester, .5 Credit

Prerequisite: College requirements/See Counselor

College Algebra is the study and analysis of elementary functions, equations and inequalities, (polynomial, exponential, logarithmic), conic sections, systems of equations and matrices, and sequences and series, with an emphasis on problem solving and multiple representations. 4 College Credits earned upon successful completion of this course.

***DE MAT 181 Plane Trigonometry– MATH_181**

Grades 11-12

1 semester, .5 Credit

Prerequisite: C or better in MAT 151

A study of the trigonometric functions and their graphs and inverses, trigonometric identities, and the applications of these functions to right and oblique triangles, vectors, complex numbers, and polar and parametric equations. 3 College Credits earned upon successful completion of this course.

***DE MAT 211 Introductory Statistics-MATH_658**

Grades 11-12

1 semester, .5 Credit

Prerequisite: C or better in MAT 142 or MAT 151

Investigates the basic concepts and techniques of descriptive and inferential statistics, including summaries and displays of data, measures of central tendency, variation and dispersion, probability and probability distributions, estimates and sample sizes, hypothesis testing, correlation, regression and statistical decision-making using critical thinking skills. 3 College Credits earned upon successful completion of this course.

Fine & Performing Arts

Drama I A & B – FA_415 & FA_416

Grades 9-12

Full year, 1 elective credit

Prerequisites: None

An introduction to the theatre. Students become acquainted with the history of the theatre and various significant plays. Areas of technical production such as make-up, lighting, costuming and set design are studied.

Drama II A & B – FA_417 & FA_418

Grades 9-12

Full year, 1 elective credit

Prerequisites: None

This course builds on Drama I by providing students with opportunities for learning the basic techniques and skills of dramatic and comic performance. This course brings together the elements of body movement, voice and interpretation in the theatrical setting.

Theater Production A & B – FA_456 & FA_457

Grades 9-12

Full year, 1 elective credit

Prerequisites: None

This is a beginning course for the student interested in acting and the theater, but has little or no acting experience. Activities and projects will introduce the concepts of pantomime, voice production, improvisation, presentation and production skills as well as duo acting scenes. The student must expect to perform before the class as well as a general audience. The class requires one to two performances held after school and evenings.

Theater Production C - FA_505

Grades 11-12

1 semester, .5 elective credit

Prerequisites: Theater Arts II Offers students the opportunity to learn about Theater on the global scale. Students will learn about theater practices that go beyond traditional American theater such as Greek Theater, Commedia dell'Arte, Kabuki, etc. (This list may change; the traditions discussed in class will vary based upon the current productions.) This class will focus heavily on theater production, and as such, students will be expected to not only perform on stage in front of an audience, but also take on responsibility for lights, sound, stage design, costuming, makeup, etc. depending upon their individual areas of interest. Theater I & II, as well as teacher approval, are prerequisites for the class.

***Pre AP-Visual and Performing Arts A & B - FA_506 & FA_507**

Grades 9-11

Full Year, 1 credit

Prerequisites: None

The Pre-AP Arts areas of focus are vertically aligned to the practices embedded in high school and college arts courses, including AP. This gives students multiple opportunities to prioritize and strengthen these disciplinary skills throughout their course of study. Analysis and interpretation: Students observe, investigate, and discuss a limited number of anchor works, which are works of art central to the themes and content of a particular module, and relate these examples to their own creative work. Peer-to-peer dialogue: Students engage in structured conversations with peers to share ideas, respond to and offer advice on works in progress, critique final works, and discuss next steps. Experimentation: Students generate and consider a range of options for both the technical and expressive content of their work and make purposeful decisions about which options to incorporate in the work. Reflective writing: Students communicate and clarify ideas in writing throughout the creative process: as a component of research and idea generation, in describing works in progress, and in reflecting on final works.

Stagecraft A & B – FA_508 & FA_509

Grades 9-12

Full Year, 1 credit

Prerequisites: None

The class involves the student in the complex backstage workings of set construction, lighting, costuming, publicity and the other crews that operate a play production. The class requires the student to be a responsible member of a production team. Stagecraft will require the student to participate in theater activities after school, evenings and weekends. Returning students will be offered advanced level design projects. May be repeated for credit.

Marching Band A– FA_431

Grades 9-12

Full year, 1 credit

Prerequisites: Audition for instructor/summer band camp

The marching band is a service organization to the students, school and community. Students will perform as musicians at athletic events, parades, assemblies and marching band festivals throughout the fall semester. Morning rehearsals, one extra sectional period per week, one evening rehearsal per week, evening performances and weekend festivals may be required for all students. Please consult the instructor's syllabus for the practice schedule. If the student successfully completes 1 semester of marching band, one half credit of PE will be waived. May be repeated for credit.

Concert Band B–FA_412

Grades 9-12

1 semester, .5 credit

Prerequisites: Audition for instructor unless transferring in from marching band This is a learning and performing group. Emphasis will be on basic musicianship including technique, musical style and appropriate literature. This class will perform many times throughout the school year. Participation in performances and festivals is required. May be repeated for credit.

Jazz Band A & B – FA_510 & FA_511

Grades 10-12

Full year, 1 credit

Prerequisites: Audition for instructor

Jazz Band provides students the opportunity to study and perform music of the "Big Bands" from the 1920's to the present. The emphasis in this group is to perform the different styles of music (swing, rock, blues, popular) with understanding. Students will also learn to improvise their own solos with good technique and understanding. Participation in all performances and festivals is required. May be repeated for credit.

Orchestra A & B – FA_488 & FA_489

Grades 9-12

Full year, 1 credit

Prerequisites: Audition for instructor

This class is for intermediate and beginning players of violin, viola, cello or double bass. Students receive instruction directed toward independent musicianship and will rehearse music for concerts and festivals. Attendance at rehearsals, concerts and music festivals is required. May be repeated for credit.

Color/Winter Guard A & B – FA_460 & FA_461

Grades 9-12

Full year, 1 credit

Prerequisites: Audition for instructor

The guard is an auxiliary unit that performs with the marching band at all football games, parades and band festivals. May be repeated for credit.

Guitar A & B - FA_498 & FA_499

Grades 9-12

Full year, 1 credit

Prerequisites: None

This class is for students with little to no experience on the guitar. This class will cover basic technique, reading music, playing chords and melodies, playing duets and trios, and influential guitarists in the last 100 years. Guitars are provided for classroom use.

Guitar B - FA_499

Grades 9-12

1 semester, .5 credit

Prerequisites: Guitar I

This class will continue to build on the techniques learned in Guitar I. Students will focus on music theory, scales, transpositions, and compositions.

Piano I A & B - FA_444 & FA_445

Grades 9-12

Full Year, 1.0 credit

Prerequisites: None

This course is designed for the student with limited or no experience playing the piano. Students will learn basic sight-reading skills, basic piano playing and musical vocabulary.

Piano II A & B - FA_462 & FA_463

Grades 9-12

Full Year, 1.0 credit

Prerequisites: Piano I A & B

This course provides group piano instruction with an emphasis on developing intermediate performing techniques. Students focus on appropriate notation, chords, and harmonization for this skill level. Musical study includes popular, folk and classical music.

Piano III A & B - FA_474 & FA_475

Grades 9-12

Full Year, 1.0 credit

Prerequisites: Piano II A & B

Piano III is an intermediate-level course focusing on musical proficiency and expression. It covers technical mastery, including major and minor scales and arpeggios played hands together for precision. Students explore major and minor triads, inversions, and the I-IV-I-V7-I chord progression in specific keys. The course emphasizes harmonization, encouraging students to play familiar melodies by ear using primary chords. Improvisation is encouraged, with a focus on creating melodies over chord progressions and lead sheets, especially in blues. Sight-reading skills are honed through assigned excerpts. Students showcase artistic expression through a diverse solo repertoire from the course text, fostering a well-rounded musical proficiency. Piano III integrates technique, theory, creativity, and performance for an enriching learning experience.

Piano IV A & B - FA_500 & FA_501

Grades 9-12

Full Year, 1.0 credit

Prerequisites: Piano III A & B

Piano IV is an advanced course dedicated to the refinement of music literacy through the comprehensive study of fundamental piano skills. Students will delve into the intricacies of technique, honing their proficiency in playing and expression. The curriculum places a strong emphasis on sight-reading, allowing participants to enhance their ability to read and interpret music fluently. Repertoire exploration encompasses a wide range of musical styles, providing students with a diverse set of pieces to master. Theory, harmonization, transposition, and score-reading are integrated seamlessly, fostering a deep understanding of musical structures and enhancing overall musicianship. The course also delves into the art of improvisation, empowering students to create musical expressions spontaneously. Ensemble activities further enrich the learning experience, promoting collaborative musical exploration. Piano IV aims to cultivate advanced musicianship by combining essential technical skills with a profound understanding of music theory and expression.

Mixed Choir A & B – FA_464 & FA_465

Grades 9-12

Full year, 1 credit

Prerequisites: None

Open to all treble voices. This class will focus on basic principles of musicianship and vocal training and a variety of all music. This ensemble will present concerts and potentially participate in festivals. Maybe repeated for credit.

Concert Choir Intermediate Mixed Ensemble A & B – FA_413 & FA_414 Grades 9-12

Full year, 1 credit *Prerequisite: Audition for Instructor*

This is a learning and performing group. Emphasis will be on teaching more proficient musical literacy, vocal technique, appropriate performance practices, basics of movement while singing and introducing a variety of choral literature. This class will perform many times throughout the year. Participation in performances and festivals is required. May be repeated for credit.

Mystic Rhythm Show Choir A & B – FA_512 & FA_513

Grades 9-12

Full year, 1 credit

Prerequisites: Audition for Instructor

This is an advanced performing group with a rigorous performance schedule. The emphasis of the course will be on continual development of musical literacy, advanced elements of vocal technique, appropriate performance practices for contemporary choral music, vocal health, as well as vocal anatomy and to develop the musician's ability to perform advanced high school or pre-collegiate materials. This class will perform many times throughout the school year. Participation in performances and festivals is required. May be repeated for credit.

Rhapsody Advanced Women's Choir A & B– FA_448 & FA_449

Grades 9-12

Full year, 1 credit

Prerequisites: Audition for Instructor

This is an advanced performing group. The emphasis of the course will be on continual development

of musical literacy, appropriate vocal technique for Treble voices, appropriate performance practices for large variety of classical choral music, vocal health, as well as vocal anatomy, and to develop the musician's ability to perform advanced high school or pre-collegiate materials. This class will perform many times throughout the year. Participation in performances and festivals is required. May be repeated for credit.

Music Academy, A & B

Semester, .5 credit

Prerequisites: None

This course is designed to help/encourage young musicians to prepare for the high school music (band or choir) experience. Students would need to choose a track, Instrumental or vocal, to follow, to prepare them for taking those classes in high school. They will study the following things: Music Theory, Proper singing and playing techniques, breath control, stage performances, High School expectations. Can be repeated for credit.

Beginning Dance, A & B – FA_ & FA_515

Grades 9-12

Full year, 1 credit

Prerequisites: None

This is recommended for students with little or no dance experience. It offers instruction in beginning dance technique (ballet, modern and jazz), choreography and dance production. Dance credit may be applied to fine arts, PE, or elective credit. May be repeated for credit.

Intermediate Dance A & B – FA_516 & FA_517

Grades 10-12

Full year, 1 credit

Prerequisites: Beginning Dance or Instructor Approval

An introduction to fundamental dance techniques styles of jazz, contemporary, lyrical, ballet, and some schools may include hip hop. Included is an emphasis on proper alignment, core strength, and stretching to increase flexibility. Dance production, basic anatomy, vocabulary and dance history are also introduced. Students will have an opportunity to participate in a dance performance. May be repeated for credit.

Musical Theatre A & B -- FA_484 & FA_485

Grades 9-12

Full Year, 1 credit

Prerequisites: None

This class is an introduction to the art form of musical theater. Students will take an in-depth look at the history of American Musical Theatre including styles, variety of shows, and subgenres of musical theater. Students will learn basic practices of auditions, resumes, stage presence, and basics of vocal technique. The student is required to attend all Mohave High School drama productions.

Performance Dance & Choreography A & B – FA_518 & FA_519

Grades 11- 12

Full year, 1 credit

Prerequisites: Beginning Dance or Intermediate Dance

This class is designed for students interested in advanced technique, performance, production,

choreography and creative thinking skills. This class will give students the opportunity to expand on their prior dance knowledge and incorporate their own perspectives and creative ideas. Students will be encouraged to enhance their creative thinking skills and push themselves beyond their current abilities. Participation in dance concerts is required. Dance credit may be applied to fine arts, PE or elective credit. May be repeated for credit.

Art I A & B – FA_402 & FA_403

Grades 9-12

Full year, 1 credit

Prerequisites: None

This is an introductory course designed to help students in producing artwork. Areas such as drawing, painting, and ceramics may be explored. This is a good preparatory class for other art classes.

Art II A & B – FA_466 & FA_467

Grades 9-12

Full year, 1 credit

Prerequisites: Art I

Students will continue to build on the basic skills developed in Art I. Students will study more advanced techniques in painting and various areas.

Art III A & B – FA_468 & FA_469

Grades 9-12

Full year, 1 credit

Prerequisites: Art II

Students will continue to build on skills developed in Art II. Students will do projects and keep a sketchbook.

Art IV A & B – FA_486 & FA_487

Grades 9-12

Full year, 1 credit

Prerequisites: Art III

Students will continue to build on skills developed in Art III. A digital portfolio of student's work will be produced.

Art Design A & B - FA_520 & FA_521

Grades 9-12

Full year, 1 credit

Prerequisites: Art I

This course is a broad introduction to the many fields within the design profession. Students will complete research and design projects related to User Experience, Industrial Design, Transportation Design, Interior Design, Human Factors & Ergonomics and Visual Design. The Studio experience will include sketching, rendering, research, presenting, testing, model building, and basic prototyping.

Ceramics I - FA_406

Grades 9-12

1 semester, .5 credit

Prerequisites: None

Students will explore the nature of clay and glazes, hand forming methods, throwing on the potter's

wheel, decorative processes and glaze applications.

Ceramics II - FA_408

Grades 10-12

1 semester, .5 credit

Prerequisites: Ceramics 1

This class is an extension of Ceramics I. Students will continue to explore the nature of clay and glazes, hand forming methods, throwing on the potter's wheel, decorative processes and glaze applications.

Intro to Painting I- FA_438

Grades 9-12

1 semester, .5 credit

Prerequisites: None

The purpose of this course is to acquaint the student with the various painting techniques and media employed by artists. The process of mixing color, color theory, building and preparation of the canvas and Art History will be discussed. Students will explore both the traditional and contemporary approaches in painting involving; still life, landscape, and imaginative works in acrylic and watercolor.

Beginning Drawing I - FA_421

Grades 9-12

1 semester, .5 credit

Prerequisites: None

Students will learn drawing techniques using line, shading and perspective. Projects will include drawing with charcoal, graphite and pastels on various types of paper. Class time will be spent learning and improving skills and researching art techniques. It is required that students keep a sketchbook and do short research papers.

Drawing II A & B - FA_423 & FA_424

Grades 9-12

1 semester, .5 credit

Prerequisites: Drawing 1 or teacher permission

Drawing II is designed to offer students targeted experiences with various drawing media, aiming to enhance perceptual skills through studio set-ups. The course focuses on fostering original problem-solving in the realm of drawing, encouraging students to develop mature and innovative ideas. Emphasis is placed on cultivating a deep understanding of composition, promoting the creation of artwork that is both original and thoughtfully executed. Drawing II seeks to provide students with the tools and concepts necessary to elevate their drawing abilities, emphasizing both technical proficiency and creative expression.

Drawing III A & B - FA_425 & FA_426

Grades 9-12

1 semester, .5 credit

Prerequisites: Drawing 1 and 2, Art 1 and 2 or Teacher permission

This course will provide students with additional opportunities to progress their drawing skills. The students will work independently alongside Drawing I & II students. Students will create 5 original compositions using your choice of media that challenges your skills and interests. Students will also create work for their portfolio in preparation for college art programs.

***AP Studio Art A & B – FA_522 & FA_523**

Grades 10-12

Full year, 1 credit

Prerequisites: Art 1-IV or Art I & Art II and Teacher Interview

This course has been developed for students who wish to complete a portfolio in Studio Art: Drawing or Studio Art: 2D Design. The portfolio will meet all the standards set by the College Board and will give the students a completed portfolio for the possibility of college credit. Through direct instruction and exploration, students will produce quality artworks. Students will create artwork that addresses the three sections of the portfolio: Breadth, Concentration, and Quality. Students will cultivate their own personal artwork and ideas. This course gives the students the opportunity to develop mastery in concept, composition, and execution of drawing. Students will understand that art making is an ongoing process that uses informed and critical decision making to determine outcomes to problems. Students will be expected to develop a comprehensive portfolio, ongoing sketchbook, and be expected to complete homework drawings that will have an issue in art making addressed. Students will complete these homework assignments and address the issues in their own way. During this course each student will meet with the teacher on a regular basis to talk about the student's work to ensure they are growing in their artistic ability and will be able to recognize their growth and the growth of their peers.

World Languages

German I A & B -- FLA_516 & FLA_517

Grades 9-12

Full year, 1 credit

This course is an introduction to the language and culture of the German descent. In German I, high school students focus on fundamental aspects of German grammar, including verb conjugation and adjective agreement. The course emphasizes essential language skills, such as listening, speaking, reading, and writing, primarily in the present tense. The goal is to develop correct oral and written expressions, as well as enhance aural comprehension.

Spanish 1 A & B - FLA_500 & FLA_501

Grades 9-12

Full year, 1 credit

Prerequisites: None

This course is an introduction to the language and culture of the Hispanic world. In Spanish 1 the student learns vocabulary and grammar through listening, speaking, reading and writing. Emphasis is on listening and reading comprehension and simple conversational skills through role-playing, skits and other interactive methods. **This class is not designed for native speakers.**

Spanish 2 A & B- FLA_502 & FLA_503

Grades 9-12

Full year, 1 credit

Prerequisites: Spanish 1 or equivalent study

This course is a continuation of Spanish 1. In Spanish 2 students will receive more practice in listening, speaking, reading and writing skills. New vocabulary and grammar are presented. The students will improve writing skills through simple compositions. They will continue to explore the culture of the Hispanic world. **This class is not designed for native speakers.**

Spanish For Native and Heritage Speakers A & B- FLA_510 & FLA_511

Grades 9-12

Full year, 1 credit

Prerequisites: Spanish 2 or equivalent study

This course is designed to improve students' skills acquired in the first two years of language study. In Spanish 3 emphasis will be on practical conversation, reading and discussion of short stories and compositions. Authentic literature will be introduced and discussed. An in-depth study of the 21 Spanish speaking countries pertaining to their history, art, poetry, literature, music, cultures, and traditions. The focus will be on speaking, writing, and reading fluently in Spanish. This will be achieved through exposure in Spanish short stories, poetry, analyzing art pieces, writing essays, and researching traditions/cultures. **Native Speakers may take this course.**

Spanish III A & B - FLA_504 & FLA_505

Grades 9-12

Full year, 1 credit

Prerequisite: Spanish II or equivalent study, and teacher recommendation This course is designed to improve students' skills acquired in the first two years of language study. In Honors Spanish 3 emphasis will be on practical conversation, reading and discussion of short stories and composition.

Spanish IV A & B - FLA_520 & FLA_521

Grades 10-12

Full year, 1 credit

Prerequisites: Passing grade in Spanish 3

This course is designed for both native speakers and students who have completed Spanish Level 3. The students read, discuss, and write about various genres of Hispanic literature, focusing on improving reading comprehension, critical thinking, and analytical skills. The course includes cultural, historical, sociological, and literary insights into the Spanish-speaking world. The course is conducted entirely in Spanish.

***AP Spanish Language and Culture A & B – FLA_522 & FLA_523**

Grades 10-12

Full year, 1 credit

Prerequisites: Spanish 3 or equivalent study or instructor approval This course is designed to refine, perfect and enhance language skills: listening, speaking, reading, and writing. It emphasizes active communication in Spanish and broadens the student's understanding of Hispanic culture. There is a strong focus on applying language to real-life situations. The AP Spanish Language and Culture course strives to promote both fluency and accuracy.

***AP Spanish Literature and Culture A & B - FLA_524 & FLA_525**

Grades 11-12

Full year, 1 credit

Prerequisites: Spanish Language and Culture or equivalent study or instructor approval AP Spanish Literature and Culture course revisions support the formal study of a representative body of literature, written in Spanish. Students have varied opportunities to develop proficiency in Spanish across a range of skills and to reflect on the many voices and cultures of the Spanish speaking world.

Health & Physical Education

PE9/Health A & B - PE_704 & PE_705

Grades 9-12

Full year, 1 credit

Prerequisites: None

This course offers students a basic foundation in physical education by exposing them to a variety of individual and team sports. A strong emphasis on lifetime sports is stressed. May be repeated for credit.

Athletic PE A & B - PE_702 & PE_703

Grades 9-12

Full year, 1 credit

Prerequisites: None

This is a coed class course and offers students a basic foundation in physical education by exposing them to a variety of individual and team sports. A strong emphasis on lifetime sports is stressed. May be repeated for credit.

Weight Training A - PE_714

Grades 9-12

1 semester, .5 credit

Prerequisites: Physical Education or Instructor Approval

This class is open to all students who have taken one year of physical education. The class concentrates on major gains in bench presses, squats, power cleans, pull-ups and sit-ups. Students are required to do some running. Objectives are strength gain and total body conditioning. This course may be repeated for credit.

Weight Training B - PE_715

Grades 9-12

1 semester, .5 credit

Prerequisites: Physical Education or Instructor Approval

This class is open to all students who have taken one year of physical education. The class concentrates on major gains in bench presses, squats, power cleans, pull-ups and sit-ups. Students are required to do some running. Objectives are strength gain and total body conditioning. This course may be repeated for credit.

Athletics Weights A & B - PE_712 & PE_713

Grades 9-12

Full year, 1 credit

Prerequisites: Physical Education or Instructor Approval

Prerequisites: Member of a sports team

This course is recommended but **not** required for athletes participating on an official school team. Students enrolled in the course receive PE credit. Enrollment will be opened if a student makes a school team after the official registration date. This course may be repeated for credit.

Health Studies - PE_902

Grades 9-12 1 semester, .5 credit *Prerequisite: None*

This course is designed to help students become aware of how good health habits can be a means of improving the quality of their lives. This class, based on Arizona Comprehensive Health Standards, will

cover such topics as sex ed, hygiene, eating healthy, communicable diseases, the negative impacts of drugs, alcohol, and other narcotics, wellness, safety, self-esteem, and decision-making.

Unified Sports & Partner Physical Education – PE_905

Grade 11-12

Full year, 1 Elective credit PE

Prerequisites: All students must complete appropriate medical and consent forms

This course is based on the Special Olympics Unified Sports Program. Unified Sports combines students served in a specialized program and students in general education for sports training and competition. Unified Sports creates unique teammate bonds through sports experiences along with consistent opportunities to socialize, problem solve, and adapt to a variety of situations. These experiences create a culture of inclusion and foster understanding among students of all abilities. Sports included are basketball, flag football, floor hockey, soccer, volleyball, and others. Students will have the opportunity to compete in Special Olympics Area and State Games. This course may be repeated for credit. This course is taught by both a general education teacher and a special education teacher.

Lifetime Sports A & B – PE_710 & PE_711

Grade 11-12

Full year, 1 credit

Prerequisites: Physical Education

Lifetime Sports in high school is a course centered around physical fitness and acquiring lifelong skills for engaging in team sports. Students will actively participate in various sports, gaining essential knowledge to be both informed participants and spectators. The emphasis is on fostering a well-rounded understanding of sports for lifelong enjoyment and health.

Athletic Conditioning A & B – PE_717 & PE_718

Grade 11-12

Full year, 1 credit

Prerequisites: Physical Education

Athletic Conditioning in high school is a course dedicated to educating students and enhancing their fitness levels through a comprehensive approach. The curriculum includes resistance training, cardio-respiratory endurance exercises, dynamic flexibility movements, and nutritional information. The goal is to equip students with the knowledge and skills needed to cultivate a positive, lifelong attitude toward physical activity.

Co-ed Weights A & B – PE_721 & PE_722

Grade 11-12

Full year, 1 credit

Prerequisites: Physical Education

Co-Ed Weights is a course tailored for students seeking physical fitness through weight training. The curriculum focuses on personalized weight lifting programs, accommodating individual needs. The course incorporates group stretching sessions, covers nutrition in relation to physical fitness, and includes elements of cardiovascular fitness. This comprehensive approach aims to support students in achieving their fitness goals through a well-rounded program.

Science

Environmental Science A & B -SCI_831 & SCI_832

Grade 9**Full year, 1 credit***Prerequisite: None*

Environmental Science is a course that will cover the major divisions of Science; Astronomy & Space Science, Geology, Meteorology, Physical Sciences and Environmental Science. Students will be studying the processes and forces that have shaped our universe and continue to shape the planet we live on. Students will also learn and participate in laboratory experiences to determine how the human race has influenced various earth processes, how we utilize vital resources to build our economy, as well as how the earth can impact us and how we can minimize the impact earth forces have on us.

Honors/Pre AP-Environmental Science A & B- SCI_858 & SCI_859*Grade 9, 10****Full year, 1 credit***Prerequisites: Instructor approval*

Environmental Science is a course that will cover the major divisions of Science; Astronomy & Space Science, Geology, Meteorology, Physical Sciences and Environmental Science. Students will be studying the processes and forces that have shaped our universe and continue to shape the planet we live on. Students will also learn and participate in laboratory experiences as well as Project Based learning experiences to determine how the human race has influenced various earth processes, how we utilize vital resources to build our economy, as well as how the earth can impact us and how we can minimize the impact earth forces have on us.

Physical Science A & B - SCI_820 & SCI_821**Grade 10, 11****Full year, 1 credit***Prerequisite: None*

This class is designed to investigate basic principles associated with Chemistry and Physics and how they may relate to other areas of Science. Concepts learned in this course develop basic foundational knowledge of the laws of chemistry and physics. This can be an inquiry-based class where students participate in labs and project-based learning opportunities.

Honors Physical Science A & B - SCI_862 & SCI_863*Grade 10, 11****Full year, 1 credit***Prerequisite: Instructor Approval*

This inquiry-based course is designed to investigate chemistry, physics, biology, and earth-space concepts in order to develop students' analytical skills and problem-solving techniques. Concepts explored in the course develop foundational knowledge that ensures success in subsequent high school science classes. Emphasis is based on laboratories in which the student is an active participant in the formation of the lab.

Biology I A & B - SCI_802 & SCI_803**Grade 10, 11****Full year, 1 credit***Prerequisite: None*

This is a lab-oriented course designed to study the major areas of life and living things. Additionally, cell structure, functions and processes, genetics, classification, and ecology will be covered. Emphasis will be on the major integrating themes of biology.

Biology II A & B- SCI_824 & SCI_825

Grades 11-12

Full Year, 1 credit

Prerequisite: Biology

Biology II studies biological diversity at a large scale. Investigations include classification/ taxonomy, ecology, evolution and diversity in the form and function of organisms in the Animal, Plant, Eubacteria, Archaeobacteria, Protist, and Fungi Kingdoms of life. Lab experiences are heavily focused on microscopy, specimen collection/classification/growth, and animal/plant dissections.

***Honors/PRE-AP-Biology A & B - SCI_872 & SCI_873**

Grade 10, 11

Full year, 1 credit

Prerequisite: Concurrent enrollment in Geometry and Instructor Approval

The Pre-AP science areas of focus are vertically aligned to the science practices embedded in high school and college courses, including Advanced Placement®. This gives students multiple opportunities to think and work like scientists as they develop and strengthen these disciplinary reasoning skills throughout their education in the sciences: Emphasis on analytical reading and writing: Students engage in analytical reading and writing to gain, retain, and apply scientific knowledge and to carry out scientific argumentation. Strategic use of mathematics: Students use mathematics strategically in order to understand and express quantitative aspects of biology, to record and interpret experimental data, and to solve problems. Attention to modeling: Students go beyond labeling diagrams to creating, revising, and using models to explain key patterns, interactions, and relationships in biological systems.

***DE BIO 181 General Biology with Lab- SCI_837**

Grades 11-12

1 Semester, .5 Credit

Prerequisites: See College Requirements/See Counselor

This is the first of a two-course sequence designed for science majors. This course provides a broad overview of life on earth today and how life has changed over time. The course content focuses on the basic mechanisms of life, cell structure and function, biochemistry, metabolism, energetics, genetics, and evolution. The laboratory experiences are designed to complement and reinforce these concepts. 4 College Credits earned upon successful completion of this course.

***DE BIO 182 General Biology with Lab- SCI_838**

Grades 11-12

1 Semester, .5 Credit

Prerequisites: BIO 181

Covers the current classification, structure, and life-history of organisms. The structure and function of human organ systems will also be examined in detail. Additionally, the evolutionary forces and ecological stimuli for patterns of adaptation will also be examined. Laboratory experiences will provide students with an appreciation and knowledge of the tremendous diversity seen in the living world. 4 College Credits earned upon successful completion of this course.

***DE BIO 201 Anatomy and Physiology with Lab- SCI_808**

Grades 11-12

1 Semester, .5 Credit

Prerequisites: BIO 181 or BIO 160

Study of the structure and function of the human body using a systemic approach with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. Topics include: homeostasis; cytology; histology; and the integumentary, skeletal, muscular, nervous systems and special senses. 4 College Credits earned upon successful completion of this course.

***DE BIO 202 Anatomy and Physiology with Lab- SCI_809**

Grades 11-12

1 Semester, .5 Credit

Prerequisites: BIO 181 or BIO 160

Continuing study of human anatomy and physiology using a body system approach, with emphasis on the interrelationships between form and function at the gross and microscopic levels of the organization. The topics covered include: the endocrine system; the cardiovascular system; the lymphatic system and immunity; the respiratory system; the gastrointestinal system; the urinary system; and the reproductive system. 4 College Credits earned upon successful completion of this course.

***AP Biology I A & B - SCI_866 & SCI_867**

Grades 11-12

Full year, 1 credit

Prerequisites: Chemistry

This second-year course includes topics covered in a college introductory biology course for majors and provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Students completing this course will be eligible to take the AP exam. It is strongly recommended that the student complete Pre AP-Biology before enrolling in this class.

***Biology 2-Forensic Lab Science - SCI_805**

Grades 11-12

1 Semester, .5 credit

Prerequisites: Biology I

Students will work in a laboratory setting with high quality laboratory equipment. They will participate in mock crime scenes that will require them to collect evidence and process it in the lab. They will be required to maintain a laboratory notebook, write papers, and complete numerous projects throughout the year. Included course topics include introduction to forensics, crime scenes, the roles of forensic pathologists, anthropologists, and entomologists. They will analyze various forms of evidence including DNA, fibers, cells, tool marks, impressions, and fingerprints.

***DE ENV 101 Environmental Science with Lab A & B- SCI_829 & SCI_830**

Grades 11-12

Full year, 1 credit

Prerequisites: See College Requirements/See Counselor

An introductory course that examines human influence on the environment. Basic ecological concepts are explored and major environmental problems including population growth, pollution, resource overuse, ecological degradation and the loss of biodiversity are evaluated for causes and solutions. The relationship between society, politics and the environment are also examined. 4 College Credits earned upon successful completion of this course.

Chemistry A & B - SCI_806 & SCI_807**Grades 11-12****Full year, 1 credit***Prerequisites: Completion of Geometry and Biology*

This is a lab-oriented course emphasizing elements, compounds and mixtures as found in nature. Chemical reactions, basic problems in chemistry and equations are studied in depth.

AP Chemistry A & B-SCI_841 & SCI_842*Grades 11-12****Full year, 1 credit***Prerequisites: Algebra II and Chemistry or Honors Chemistry,*

This is a second-year college level course designed to aid in meeting the minimum requirement for the AP exam. The study of atomic structure, the periodic system, chemical bonding, kinetic theory, equilibrium and descriptive chemistry provides the student with the necessary knowledge to take the AP exam. It is strongly recommended that students complete Honors Chemistry before taking this class.

Chemistry II A & B - SCI_874 & SCI_875**Grades 11-12****Full year, 1 credit***Prerequisites: Chemistry Higher Level*

This is a second-year course. The study of atomic structure, the periodic system, chemical bonding, kinetic theory, and equilibrium. It is strongly recommended that students complete Honors Chemistry before taking this class.

Physics A & B - SCI_822 & SCI_823**Full year, 1 credit****Grades 11-12 Full year, 1 credit** *Prerequisites: Biology, Chemistry and concurrent**enrollment in Algebra II* This is a lab-oriented course that studies energy in its many forms. Topics include mechanics, electricity, waves, and light. Strong math skills are highly recommended.***AP Physics A A & B - SCI_870 & SCI_871****Grades 11-12****Full year, 1 credit***Prerequisites: Biology, Chemistry and concurrent enrollment in Algebra II*

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound.

AP Physics B A & B- SCI_876 & SCI_877*Grades 11-12****Full year, 1 credit***Prerequisites: Pre-Calculus*

This is a second-year course that includes a review of general physics, rotational motion, thermodynamics, mathematical properties of waves, electronic circuits and quantum physics. Design and analysis of laboratory experiments are emphasized. It is equivalent to an introductory college-level course and will prepare the student to take the AP exam. Concurrent enrollment credit may be available through Embry Riddle University, tuition costs apply.

***AP Physics C A & B - Electricity & Magnetism - SCI_878 & SCI_879**

Grades 11-12

Full year, 1 credit

Prerequisites: AP Physics C mechanics & Calculus AB

This course applies both differential and integral calculus and builds upon the AP Physics C mechanics course by providing instruction in Electrostatics, conductors, capacitors, dielectrics, circuits, magnetism and electromagnetism. Students will sit for the College Board AP Physics C Electricity & Magnetism Exam. Concurrent enrollment credit may be available through Embry Riddle University, tuition costs apply.

***DE AST 101 Introduction to Astronomy with Lab- SCI_864**

Grades 11-12

1 Semester, .5 Credit

Prerequisites: See College Requirements/See Counselor

An introduction to astronomical processes, theories and features in the universe. Techniques and tools of the astronomer and the astrophysicist are included. Topics covered include concepts in: dynamics of motion, properties of light, astronomical techniques for observation, solar system components, stellar and planetary formation, evolution and classification of stars, star clusters and nebula, galaxy structure and formation, chemistry, structure and origin of the universe. Laboratory work is included to provide observational examples of the above topics and to learn techniques of data gathering and interpretation. 4 College Credits earned upon successful completion of this course.

Anatomy and Physiology A & B -SCI_800 & SCI_801

Grades 11-12

Full year, 1 credit

Prerequisites: Biology and Chemistry

This course is a study of the basics of human anatomy and physiology including anatomical terminology, basic biochemistry, cells and tissues, and the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic/immune, respiratory, digestive, urinary, and reproductive systems.

***AP Environmental Science A & B - SCI_880 & SCI_881**

Grades: 11-12

Full Year, 1 credit

Prerequisites: Chemistry or instructor approval

This course presents scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for solving or preventing them. Students are expected to take the AP Exam at the end of the course.

Biotechnology - MI_012

Grades 11-12

Full Year, 1 Credit

Prerequisite: Concurrent Biology or completed Biology

This course is designed to provide students with the understanding of DNA, gene editing, infectious

disease research, medical technology research, molecular teaching, ELISA testing, and micro pipetting.

***Honors Biotechnology I A & B – SCI_882 & SCI_883**

Grades 11-12

Full Year, 1 Credit

Prerequisite: Honors Biology

This course is designed to provide students with the knowledge and understanding of biotechnology, as well as its uses and influence in society. The course will examine the information, the application, and the ethics of a number of technologies. These may include cellular (cloning, stem cells, antibodies), genetic (gene splicing, genomics, electrophoresis), environmental (remote sensing, biohazard remediation), and agricultural topics. It should also prepare students for pursuit of lab technician training or higher educational opportunities in this field.

***Honors Biotechnology II A & B – SCI_884 & SCI_885**

Grades 12

Full Year, 1 Credit

Prerequisite: Honors Biotechnology I

This course is designed as a continuation of the Biotechnology Program. Students will be introduced to the scientific concepts and advanced laboratory research techniques currently used in the field of biotechnology. Areas of study include proteomics, plant biotechnology (tissue culturing), synthesizing DNA and PCR, human genetics disease, pharmaceutical biotechnology, DNA sequencing and Genomes. NOTE: This is a weighted course.

Sports, Exercise & Health Science A & B - SCI_886 & SCI_887

Grades 11-12

Full Year, 1 credit

Prerequisite: Biology

Sports, Exercise and Health Science is an experimental science combining academic study with practical and investigation skills. The course is an applied science in which students will study components of biology and physical science within the context of sports, exercise and health. It is a good preparation course for those students who are interested in sports fitness. The course will incorporate components of anatomy and physiology, biomechanics, psychology and nutrition. Practical investigations will include both laboratory and field settings. Students will work with other lab science classes (Biology and Chemistry) on the mandatory Group 4 Project.

***DE GLG 101 Physical Geology with lab A & B- SCI_810 & SCI_811**

Grades 11-12

Full year, 1 credit

Prerequisites: See College Requirements/See Counselor

An introduction to geologic processes on and within the Earth. Topics covered include concepts in minerals and rocks, tectonic processes, weathering and erosion, sedimentation, structural deformation, landscape development, and groundwater. Laboratory work and additional field trips are included to provide observational examples of the above topics and to learn geologic field techniques of data gathering. 4 College Credits earned upon successful completion of this course.

***DE GLG 110 Environmental Geology- SCI_852**

Grades 11-12

1 Semester, .5 credit

Prerequisites: See College Requirements/See Counselor

This course acquaints students with the use and importance of geological studies as they apply to the interactions between people and the earth. Includes geological processes and hazards such as floods, earthquakes, and landslides and meteorological processes and hazards such as major storms, hurricanes and tornadoes. 4 College Credits earned upon successful completion of this course.

Social Studies

World History and Geography A & B - SS_999 & SS_1000

Grade 9-10

Full year, 1 credit

Prerequisite: None

This course covers world history and geography from early civilization to the present. Critical thinking, study skills, problem solving, teamwork, and the integration of all forms of technology will be encouraged. This course also includes historical interpretation, primary source review, and analysis skills.

***Honors/ Pre AP-World History and Geography A & B - SS_1003 & SS_1004**

Grade 9-10

Full year, 1 credit

Prerequisite: Instructor Approval

The Pre-AP World History and Geography areas of focus prioritize the skills fundamental to the study of history and geography in high school, Advanced Placement®, and beyond. This gives students multiple opportunities to think and work like historians and geographers as they develop and strengthen these disciplinary reasoning skills throughout their education in history and the social sciences. Evaluating evidence: Students acquire knowledge by evaluating evidence from a wide range of primary and secondary sources. Explaining historical and geographic relationships: Students explain relationships among events and people by marshaling evidence for causation, comparison, and continuity and change over time. Incorporating evidence: Students demonstrate command of quantitative, qualitative, and spatial data by effectively incorporating them into written and oral arguments.

***AP World History A & B - SS_928 & SS_929**

Grades 10-12

Full year, 1 credit

Prerequisites: Honors or Pre AP-World History and Geography

This is a college level course. The purpose is to develop a greater understanding of the evolution of global processes and contacts in different types of human societies. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence.

***US/Arizona History A & B - SS_918 & SS_919**

Grades 11-12

Full year, 1 credit

Prerequisites: World History and Geography

The course will cover American history from the American Revolution, the founding of the United

States to the present. Emphasis in the second semester will be the 20th century era, and specifically from World War I to the present. Students will study U.S. foreign policy, and the many political and social movements that shaped American culture. Problem solving, critical thinking, writing, research, geographic skills, cooperative learning activities, and the integration of technology is encouraged. Arizona history, specifically regarding western migration movements, including the Louisiana Purchase, Mexican War, the birth of the state, the Depression, new migration to the state, and Arizona's role in world war II is emphasized in this course.

***AP US/Arizona History A & B– SS_994 & SS_995**

Grades 11

Full year, 1 credit

Prerequisites: Pre AP-World History and Geography

This is a college level course designed to provide analytic skills and factual knowledge necessary to deal critically with the problems and interpretations of American history. Emphasis will be on discussion of key events in our history as seen by different historians. Arizona history, specifically regarding western migration movements, including the Louisiana Purchase, Mexican War, the birth of the state, the Depression, new migration to the state, and Arizona's role in world war II is emphasized in this course. Students completing this course will be prepared to take the AP exam.

Honors United States History A & B - SS_1005 & SS_1006

Grade 10

Full year, 1 credit

Prerequisite: Honors World History 9 and/or teacher recommendation In the Honors United States History course, students collect, describe, and analyze data; test hypotheses regarding historical events in United States history, and learn how to interpret increasingly complex information, including original source material. Emphasis will be on discussion of key events in our nation's history as seen by different historians. As such, this course helps students to recognize that content and methodology can be debatable and controversial, and to recognize the value of practicing the tolerance of uncertainty.

History of the Americas I A & B - SS_1007 & SS_1008

Grades 11

Full year, 1 credit

Prerequisites: Successful completion of AP US History

A course designed to provide analytic skills and factual knowledge necessary to deal critically with the problems and interpretations of American History. Emphasis will be on discussion of key events in our history as seen by different historians. Students will begin an in-depth study of the United States, Canada and Latin America from the 1850's to the 1970's.

History of the Americas II A & B - SS_1009 & SS_1010

Grades: 12

Full year, 1 credit

Prerequisites: Successful completion of History of the Americas I This is the second year of a comparative course which will integrate the history of the United States and the histories of Canada and Latin America as well. It is designed to promote an awareness and understanding of countries in the Western Hemisphere and development of cognitive habits. Students are introduced to the Americas through a comparative multi-regional analysis of cultural, political, social and economic issues. The senior year will continue to center on an analysis of the Western Hemisphere in the 20th century with additional emphasis on the causes, effects and consequences of war, the rise of single

party states and the Cold War.

Free Enterprise/Economics - SS_910

Grades 12

1 semester, .5 credit

Prerequisite: None

The students will develop economic reasoning skills in order to apply basic economic concepts, assess problems, and make choices. Students will also have an opportunity to evaluate the choices of others as consumers, workers, and citizens participating in local, national, and global economics.

DE HIS 131 History of the United States A & B -SS_904 & SS_905

Grade 11

Full year, 1 credit

Prerequisite: See College Requirements/See Counselor

Contains a survey of the political, economic, and cultural history of the United States with emphasis placed on historical events, people and movements that impacted American society. 3 College Credits earned upon successful completion of this course.

DE POS 120 American National Government - SS_998

Grade 11

1 Semester, .5 credit

Prerequisite: See College Requirements/See Counselor

This course surveys the United States Constitution, The Federalist Papers, political parties and elections, interest groups, Congress, the President and bureaucracy, courts, civil rights and liberties, and an overview of government policies. This course satisfies the United States Constitution requirement for Arizona teacher certification. 3 College Credits earned upon successful completion of this course.

US/AZ Government and Constitution - SS_916

Grade 12

1 semester, .5 credit

Prerequisite: None

This civics course consists of a study of the federal and state governments and their constitutions. The purpose is to instill a basic knowledge and appreciation of our representative form of government and its development. It will enable the students to think in terms of the national levels of government, paying attention to related current events. Students will acquire knowledge of the responsibility as a citizen to the community, state and nation. The ultimate goal is to help students realize the significance of our American heritage and democracy.

***AP US/AZ Government and Constitution A & B - SS_994 & SS_995**

Grade 12

Full year, 1 credit

Prerequisite: Instructor Approval/ See Counselor

This course is for highly motivated students who plan to take the AP government exam or who need an academic challenge. The course is a study of the structures and philosophies of government, the American political system, civil rights, and public opinion.

***AP Macroeconomics – SS_1011**

Grade: 12

1 semester: .5 credit

Prerequisites: Instructor Approval/ See Counselor

In this course, students will study the principles of economics that apply to the functions of both consumers and producers within the overall economics systems. It includes the study of the role of government in our economic system. This course is designed to prepare students for the AP examination.

Psychology - SS_914

Grades 10-12

1 semester, .5 elective credit

Prerequisite: None

This course provides the student with an understanding of the fundamentals of psychology in the following areas: methods, approaches, history of psychology, biological basis of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology, personality testing and individual differences, abnormal psychology, treatment of psychological disorders and social psychology.

***DE PSY 101 Introduction to Psychology-SS_902**

Grade 11, 12

1 Semester, .5 credit

Prerequisite: See College Requirements/See Counselor

An introduction to the field of psychology, dealing with such topics as the scientific method in psychology, a survey of the different fields of psychology, heredity and environment, intelligence, emotions, motivation, the brain and nervous system, learning and memory processes, and social psychology. 3 College Credits earned upon successful completion of this course.

***AP Psychology A & B - SS_1012 & SS_1013**

Grade 11-12

Full year, 1 elective credit

Prerequisites: Chemistry completed or concurrent enrollment

This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

Sociology - SS_915

Grades 10-12

1 semester, .5 credit

Prerequisite: None

This course offers materials essential to understanding ourselves and the complexities of today's society. Includes understanding basic social units, social institutions, social norms and social changes, each of which are relevant in our present society. The study of sociology requires that students and teachers alike study various aspects of society from a non-biased point of view.

Africana Studies- SS_1014

Grades 9-12

1 semester, .5 elective credit

Prerequisite: None

This course is an overview course of African Studies. A historical review of the role Africans has played in the Caribbean, Latin America and throughout the world will be reviewed. The impact of African

history on topics such as political science, religion, sociology, psychology, art & music and science & technology will be discussed.

Careers in Criminal Justice - MI_011

Grade 10-12

1 semester, .5 credit

Prerequisite: None

This is an elective course designed to bring a basic understanding of the concepts, processes, and institutions of the criminal justice system. The class provides an overview of the study of the U.S. Constitution, the state government of Arizona, and political philosophies, nationally and worldwide. This course focuses on the criminal justice system and all of its ramifications and the careers found herein.

Misinformation and Conspiracy Theories - MI_138

Grades 11-12

1 semester, .5 elective credit

Prerequisites: None

This course is designed to allow student investigation and analysis into some of the more prominent conspiracy theories, determine the truths and myths of these theories, diagnose why these theories are easily embraced by the public, and develop an understanding on how to measure and respond to false beliefs about politics and public policies.

***AP Human Geography - MI_139**

Grade 10-12

1 semester, .5 elective credit

Prerequisites: Instructor approval

Human Geography will introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students will employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Students will study at least one of the following regions in depth: Africa, Americas, Europe, Asia, and Australia. This course will prepare students to take the AP Human Geography test.

***AP Seminar – MI_140**

Grade 10-12

1 semester, .5 elective credit

Prerequisite: See Counselor

Part of AP Capstone Diploma Program year one of a two-year program

Prerequisites: B or better in Honors English & Honors World History, application packet, panel interview and administrative approval.

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using the inquiry framework, students practice reading and analyzing articles, research studies and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts. Also, they will experience artistic works and performances. Students will synthesize information from multiple sources, develop their own perspectives in research based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. This course aims to equip students with the power to analyze and evaluate information with accuracy and precision in

order to craft and communicate evidence-based arguments.

***AP Research - MI_141**

Grade 11-12

1 semester, .5 elective credit

Prerequisite: See Counselor

Part of AP Capstone Diploma Program year two of a two-year program

Prerequisites: AP Seminar

AP Research is the second of the two compulsory courses for the students in the AP Capstone Program who are working towards the AP Capstone Diploma. During AP Research, students formulate their research question and explore to better understand and analyze the subject being researched. They evaluate multiple perspectives synthesizing ideas and by working in a team, transform and transmit their findings. During the second semester, students defend their research paper during a Presentation and Oral Defense Panel of three evaluators and submit their academic paper to the College Board where it is scored for credit.

Student Government A & B - NA_156 & NA_157

Grades 9-12

Full year, 1 elective credit

Prerequisites: Election or Selection

This is a class period for activities related to student government and leadership. This course may be repeated for credit. Election for incoming 9th grade students will be held in the fall. This may be repeated for credit.

Teacher Assistant A & B - TA100 & TA101

Grades 11-12

1 semester, .5 credit

Prerequisites: Be a student in good standing

Students will be assigned to an office and serve as an assistant performing a variety of clerical duties. May be repeated for credit.

Leadership Fundamentals - MA_137

Grade 10-12

1 semester, .5 credit

Prerequisites: Teacher recommendation & interview.

Students in this class serve as mentors. The course is designed to teach students models of leadership and apply them through activities designed for freshmen and/or special needs students. As a peer tutor, you will have the unique opportunity to work as a mentor for freshmen and/or students with disabilities. You will help them with their classwork, work skills, and social skills. Tutors are responsible for assisting with special education students in academic, life skills, or even severe disabilities setting. Tutors are expected to work with students one-on-one or in small groups. You will also learn new terms, techniques, and best practices that will give you an advantage should you choose to pursue a career in Education. Most importantly, you will make lasting friendships. May be repeated for credit.

CAREER & TECHNICAL EDUCATION (CTE)

Career and technical education cover a variety of challenging fields in diverse subject areas which are constantly evolving due to the changing global economy. Some of the career areas students may enter through Career and Technical Education include: Industrial and Emerging Tech (automotive technicians, carpenters, Digital Photography, Digital Printing, Film and TV, Fire Science, Graphic Design, law and public safety, Software and App Design, Welding technologies); Business and Marketing (Business Management, Software and App Design); Family and Consumer Sciences (Culinary arts, Early Childhood, Education Professions); Health Occupations (Nursing, Sports Medicine, Medical Assisting Services, Pharmacy Support Services);Education and Training (Early Childhood, Education Professions).

CTE consists of 2-year programs in order to be a completer in the program a student must complete 2 full years and pass the Technical Skills Assessment. Program Level 3 and 4 students need to complete an application to be accepted into those program levels.

CTE prepares young adults for a wide range of careers. These careers may require varying levels of education – from high school and postsecondary certificates to two- and four-year college degrees. Career and Technical Education is offered at our high school campuses.

CTE Program Fees for CRUHSD Students

For the CRUHSD CTE Programs, fees for all students are covered. This includes tuition, books, and industry certification testing. Students must be in good standing with the college and pass their college classes to stay in the program. **If a student drops the CTE course after the official deadline and before the end of the semester or fails the class at the end of the semester, the student is responsible for paying all fees directly to the community college. They will remain as a balance on their WAVE account.**

Economically Disadvantaged

No student will be discriminated against in participating in a CTE class/program because of being economically disadvantaged to pay any program fees and/or CTSO fees. Please contact the CRUHSD Career and Technical Education Coordinator at scvargas@crsk12.org to discuss waivers and/or options.

CTSO'S

Through CTE, students are encouraged to participate in Career & Technical Student Organizations (CTSO's). Mohave High School District CTSOs include FBLA, FCCLA, HOSA and SkillsUSA. River Valley High School CTSOs include FBLA, FCCLA, HOSA and SkillsUSA. CRUHSD ACADEMY CTSOs include SkillsUSA.

Con-Current Enrollment

Con-Current Enrollment opportunities from Mohave Community College (MCC) . The individual teachers of the CTE and WAVE programs will let the students know about these opportunities as they become available.

Students in the CRUHSD MCC Program, will earn con-current enrollment college credit for all the CRUHSD MCC programs.

Internships

Senior students who have completed a CTE Program Sequence may be offered opportunities for internships related to their CTE Programs while in high school through CTE. Check with your counselor

for CTE program instructor contact information or contact the CTE Coordinator, Scarlett Vargas @ scvargas@crsk12.org for more information and to see if you are eligible.

Instructional Time Model

Instructional Time Model (ITM) is used to meet instructional hour requirements through things like remote instruction, project-based learning, mastery-based learning, weekend courses, and evening courses. Instructional times and schedules may be staggered for students and courses or other instructional time options may be offered on the weekends or in the evenings to allow students do not attend or complete school days or instructional time at the same time.

CTE COURSE OFFERINGS

Air Force Junior ROTC

Air Force Junior Reserve Officer Training Corps (AFJROTC) is a program designed to develop citizens of character dedicated to serving their nation and community. It is NOT a military recruiting program. Each AFJROTC class consists of three components: Aerospace Science (AS), Leadership Education (LE), and a wellness program. Uniform wear and associated grooming standards are required elements in all AFJROTC courses.

Completion of three years of high school JROTC will allow a student to enlist in any branch of the Armed Services at an advanced pay grade. Many ROTC scholarships will be available to high school JROTC students. NO MILITARY OBLIGATION WILL BE INCURRED.

Materials:

Books and uniforms will be supplied at NO COST. Students wear the Air Force uniform ONE day per week.

AFJROTC I A & B - ROTC_102 & ROTC_103

Grade 9-12

Full year, 1 credit

Prerequisite: None

AFJROTC I, is the introductory course for all new cadets. The course consists of three components: Aerospace Science (40%), Leadership Education (40%), and Wellness/Physical Fitness (20%). The Aerospace Science I portion is an aviation history course focusing on the development of flight throughout the centuries. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. Leadership Education I, introduces the student to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program, while instilling elements of good citizenship, develops informed citizens; strengthens and develops character; develops study habits and time management; wear of the Air Force uniform; and Air Force customs, courtesies and drill skills are introduced. Additionally, cadets will be taught the fundamentals of Drill and Ceremonies. This portion of the course concentrates on the elements of military drill, and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of the command voice. Students

are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn drill. Most of the work is hands-on. The Wellness/Physical Fitness portion will incorporate the Cadet Health and Wellness Program (CHWP). The CHWP is an exercise program focused upon individual baseline improvements with the goal of achieving a Presidential Physical Fitness standard calculated with age and gender. The goal of the CHWP is to motivate JROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in Leadership Education I. Students WILL wear the Air Force JROTC uniform weekly (Wednesday) and the issued PT uniform on Thursdays.

AFJROTC II A & B - ROTC_104 & ROTC_105

Grade 10-12

Full year, 1 credit

Prerequisite: AFJROTC I

Aerospace Science (40%), Leadership Education (40%), and Wellness/Physical Fitness (20%). Leadership Education II continues the journey through the Air Force Junior Reserve Officer Training Corps (AFJROTC) program, while continuing the development of good citizenship, informed citizens, character, study habits and time management, wear of the Air Force uniform, Air Force customs, courtesies and drill skills. Additionally, cadets will be taught more in-depth Drill and Ceremonies. This portion of the course concentrates on leading elements of military drill, to include individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of the command voice. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn drill. Most of the work is hands-on. The Aerospace Science II portion is a science of flight course focusing on the development of flight throughout the centuries. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. Also, students will be given familiarization training in the flight simulator. The Wellness/Physical Fitness portion will incorporate the Cadet Health and Wellness Program (CHWP). The CHWP is an exercise program focused upon individual baseline improvements with the goal of achieving a Presidential Physical Fitness standard calculated with age and gender. The goal of the CHWP is to motivate JROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in Leadership Education I. Students WILL wear the Air Force JROTC uniform weekly (Wednesday) and the issued PT uniform on Thursdays.

AFJROTC III A & B - ROTC_106 & ROTC_107

Grade 10-12

Full year, 1 credit

Prerequisite: AFJROTC I

Aerospace Science, Leadership Education, and Health & Wellness/Physical Fitness. Leadership Education III guides the student through basic financial responsibility, to include building a budget, bank accounts, credit, job searches, resumes, elevator speeches, military careers, aviation careers, and paths to college. Additionally, cadets will be taught more complex Drill and Ceremonies. This portion of the course concentrates leading and instructing military drill, and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of the command voice. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally

learn drill. The Aerospace Science III portion is a history course covering the US and Soviet space programs beginning with Sputnik and culminating with the International Space Station.

The Wellness/Physical Fitness portion will incorporate the Cadet Health and Wellness Program (CHWP). The CHWP is an exercise program focused upon individual baseline improvements with the goal of achieving a Presidential Physical Fitness standard calculated with age and gender. The goal of the CHWP is to motivate JROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in Leadership Education I. Students WILL wear the Air Force JROTC uniform weekly (Wednesday) and the issued PT uniform on Thursdays.

AIR TRANSPORTATION PROGRAM

Air Transportation I - CTE_757, CTE_758

Grade 9-12

Full year, 1 credit

Prerequisites: None

The Air Transportation instructional program prepares individuals to apply technical knowledge and skills to the flying and/or navigation of fixed wing aircraft. This program includes instruction in principles of aircraft design and performance, aircraft flight systems and controls, flight crew operations and procedures, radio communications, navigation procedures and systems, airways safety and traffic regulations, and governmental rules and regulations pertaining to piloting aircraft.

Air Transportation II -

Grade 10-12

Full year, 1 credit

Prerequisites: Air transportation I

The Air Transportation instructional program prepares individuals to apply technical knowledge and skills to the flying and/or navigation of fixed wing aircraft. This program includes instruction in principles of aircraft design and performance, aircraft flight systems and controls, flight crew operations and procedures, radio communications, navigation procedures and systems, airways safety and traffic regulations, and governmental rules and regulations pertaining to piloting aircraft.

BUSINESS MANAGEMENT PROGRAM

Business Management I - CTE_328_FY23 & CTE_329_FY23

Grade 9-12

Full year, 1 credit

Prerequisites: None

Business Management is recommended for students who have an interest in business and a desire to understand how business works in today's global economy. Will prepare students with technical skills and knowledge related to the economics, management and administrative support functions of business, which cut across industries as well as develop knowledge and skills in applied research, business communications, principles of business law, public relations, information management, meeting planning and office supervisory skills. A computer with business applications software is used by students as a tool to perform business tasks. Topics such as career exploration in Business Management and career preparation will be built into the curriculum. Participation in FBLA is strongly encouraged.

Business Management II- CTE_397_FY23 & CTE_398_FY23

Grade 11-12**Full year, 1 credit***Prerequisites: Business Management I*

Business Management 2 includes instruction in business planning and operations through projects and simulations. Computer software applications are applied to the technical support functions essential to the operation of an enterprise and buying and selling of goods and services. Participation in FBLA is strongly encouraged.

Business Management III WBL A & B (WBL) - CTE_594_FY23 & CTE_595_FY23 Grade 11-12**Full year, 1 credit***Prerequisites: Business Management I, II and application approval process*

Business Management III Internship provides students an opportunity to apply previously developed business management & administrative services knowledge and skills while participating in a structured work experience. Students unpaid for their work experience. Participation in FBLA is strongly encouraged.

Business Management IV Internship A & B - CTE_713_FY23 & CTE_714_FY23 Grade 12**Full year, 1 credit***Prerequisites: Business Management I, II, III and application approval process*

Business Management IV Internship provides students an opportunity to apply previously developed business management & administrative services knowledge and skills while participating in a structured work experience. Students may be paid or unpaid for their work experience. Participation in FBLA is strongly encouraged. Participation in FBLA is strongly encouraged.

CARPENTRY PROGRAM**Carpentry I A & B – CTE_496 & CTE_497****Grade 9-12****Full year, 1 credit***Prerequisites: none*

Topics include knowledge of all safety rules, pre- and post-operating equipment inspections, builder's level readings, identifying needed repairs or routine maintenance jobs, and maintaining records of maintenance. Topics such as career exploration in carpentry and career preparation will be built into the curriculum. SkillsUSA, a nationally recognized leadership organization, is integrated into the class. Students will have the opportunity to participate in SkillsUSA conferences and competitions. Participation in SkillsUSA is strongly encouraged

Carpentry II A & B - CTE_498 & CTE_499**Grade 10-12****Full year, 1 credit***Prerequisites: Carpentry I*

Introduction to the NCCER core curriculum. Topics include knowledge of all safety rules, pre and post-operating equipment inspections, builder's level readings, identifying needed repairs or routine maintenance jobs, and maintaining records of maintenance. SkillsUSA, a nationally recognized leadership organization, is integrated into the class. Students will have the opportunity to participate in SkillsUSA conferences and competitions. Participation in SkillsUSA is strongly encouraged

Carpentry III WBL A & B (WBL) - CTE_575 & CTE_576

Grade 11-12

Full year, 1 credit

Prerequisites: Carpentry I,II and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. This work experience is unpaid and in the classroom. Participation in SkillsUSA is strongly encouraged

Carpentry IV INTERNSHIP - CTE_753 & CTE_754

Grade 12

Full year, 1 credit

Prerequisites: Carpentry I,II,III and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. This work experience is unpaid or paid for 12th graders. Participation in SkillsUSA is strongly encouraged

CULINARY ARTS PROGRAM

Culinary Arts 1 A & B – CTE_204 & CTE_205

Grade 9-12

Full year, 1 credit

Prerequisites: on track for graduation

Students will be introduced to sanitation, food products, table service, and equipment used in culinary arts. Students will need to pass the Safe Serve Certification in order to work culinary events and go into the Culinary Kitchen. Topics such as career exploration in culinary arts and career preparation will be built into the curriculum.

FCCLA, a nationally recognized leadership organization, is integrated into the class. Students will have the opportunity to participate in FCCLA conferences and competitions. Participation in FCCLA is strongly encouraged.

Culinary Arts II A & B - CTE_214 & CTE_215

Grade 11-12

Full Year, 1 credit

Prerequisites: Culinary I

Semester 2 is a continuation from Culinary I. Students will plan menus, create culinary dishes, learn plating techniques, and compete in culinary food competitions. Topics such as career exploration in culinary arts and career preparation will be built into the curriculum. Continued participation in FCCLA is strongly encouraged.

Culinary Arts WBL III A & B - CTE_308 & CTE_309

Grade 11-12

Full Year, 1 credit

Prerequisites: Culinary I & II and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. Continued participation

in FCCLA is strongly encouraged.

Culinary Arts IV A & B Internship - CTE_728 & CTE_729

Grade 12

Full Year, 1 credit

Prerequisites: Culinary I & II & III and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. This work experience may be paid or unpaid, and is available for 12th graders. Continued participation in FCCLA is strongly encouraged.

DIGITAL PRINT

Digital Print I A & B - CTE_236_FY23 & CTE_237_FY23

Grade 9-12

Full year, 1 credit

Prerequisites: None

The Digital Printing 1 course is an introduction to managing digital printing operations from initial design to finished product distribution. Students will be introduced to the operation and maintenance of specialized printing equipment; pre-flighting and proofing graphics files; creating print-ready graphics files utilizing applicable digital imaging, graphic design, and page layout techniques; and producing and distributing finished printed products that meet or exceed customer expectations. Digital Printing students will explore the history and societal and economic impact of the digital printing industry and will examine legal and ethical considerations and business best practices unique to digital printing and related industries. Throughout the Digital Printing instructional program, students learn and practice valuable real-world skills using real world digital printing equipment and industry standard graphic design and page layout software to create professional-grade media products. Participation in FBLA is strongly encouraged.

Digital Print II A & B - CTE_316_FY23 & CTE_317_FY23

Grade 10-12

Full year, 1 credit

Prerequisites: Digital Print I

The Digital Printing 2 course provides an environment where students manage digital printing operations from initial design to finished product distribution in a laboratory environment. Students will be responsible for the operation and maintenance of specialized printing equipment; pre-flighting and proofing graphics files; creating print-ready graphics files utilizing applicable digital imaging, graphic design, and page layout techniques; and producing and distributing finished printed products that meet or exceed customer expectations. Digital Printing students will carry out tasks that allow them to practice the use of legal and ethical considerations and business best practices unique to digital printing and related industries. Throughout the Digital Printing instructional program, students learn and practice valuable real-world skills using real-world digital printing equipment and industry standard graphic design and page layout software to create professional-grade media products. Participation in FBLA is strongly encouraged.

Digital Print III A & B - CTE_716_FY23 & CTE_720_FY23

Grade 10-12

Full year, 1 credit

Prerequisites: Digital Print I,II and application approval process

The Digital Printing 3 course provides an environment where students manage digital printing operations from initial design to finished product distribution in a laboratory environment. Students will be responsible for the operation and maintenance of specialized printing equipment; pre-flighting and proofing graphics files; creating print-ready graphics files utilizing applicable digital imaging, graphic design, and page layout techniques; and producing and distributing finished printed products that meet or exceed customer expectations. Digital Printing students will carry out tasks that allow them to practice the use of legal and ethical considerations and business best practices unique to digital printing and related industries. Throughout the Digital Printing instructional program, students learn and practice valuable real-world skills using real-world digital printing equipment and industry standard graphic design and page layout software to create professional-grade media products. Participation in FBLA is strongly encouraged.

DIGITAL PHOTOGRAPHY

Digital Photography I A & B - CTE_270_FY_23 & CTE_271_23

Grade 9-12

Full year, 1 credit

Prerequisites: None

Digital Photo prepares students to use technical expertise, creativity, and composition skills. Topics such as career exploration in digital photography and career preparation will be built into the curriculum. Participation in FBLA is strongly encouraged.

Digital Photography II A & B - CTE_272_FY23 & CTE_273_FY23

Grade 10-12

Full year, 1 credit

Prerequisites: Photo I

Digital Photo prepares students to use technical expertise, creativity, and composition skills to produce and preserve images that communicate information, convey ideas, moods and feelings, tell a story, or record an event through photography. Topics such as career exploration in digital photography and career preparation will be built into the curriculum. Participation in FBLA is strongly encouraged.

Digital Photography III A & B (WBL) - CTE_589_FY23 & CTE_590_FY23

Grade 11-12

Full year, 1 credit

Prerequisites: Photo I & II and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. This work experience is unpaid and in the classroom. Participation in FBLA is strongly encouraged.

Digital Photography IV Internship A & B - CTE_717_FY23 & CTE_718_FY23

Grade 12

Full year, 1 credit

Prerequisites: Photo I & II & III and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. This work experience may be paid or unpaid, and is available for 12th graders. Participation in FBLA is strongly encouraged.

EARLY CHILDHOOD EDUCATION

ECE I & II A & B - CTE_218 & CTE_219 and CTE_220 & CTE_221

Grade 9-12

Full year, 1 credit

Prerequisites: Tuberculosis Skin Test

The Early Childhood Education program is designed to prepare students for a variety of careers working with young children. Our program includes instruction in child development, child health, nutrition, and safety, as well as, the planning and facilitation of developmentally appropriate play and learning activities. Child guidance, family relationships, and parenting are also addressed. In addition to technical skills, students completing our program will also develop advanced critical thinking, applied academics, career development, and employability and life skills. At least 75% of students' time will be spent observing and working with children ages birth to 5 in our licensed child care center under the direct supervision of professional staff. Upon completion of the 2-year program, advanced students also may be eligible to receive one or more industry certifications. Participation in Family, Career & Community Leaders of America (Career and Technical Student Organization) is encouraged.

ECE III A & B - CTE_222 & CTE_223

Grade 11-12

Full year, 1 credit

Prerequisites: ECE I & II and application approval process

This course is designed to help students earn their Child Development Associate Credential and instruction is designed around the 8 CDA Subject Areas. The Child Development Associate (CDA) Credential is a widely recognized credential in early childhood education administered by the Council for Professional Development. The CDA Credential guides early child care professionals as they work toward becoming qualified teachers of young children. Students must successfully prepare a professional portfolio, demonstrate competence on the CDA Exam and skills as a Lead Teacher during a 4-hour classroom verification visit. Participation in Family, Career & Community Leaders of America (Career and Technical Student Organization) is encouraged.

ECE IV A & B - CTE_637 & CTE_638

Grade 12

Full year, 1 credit

Prerequisites: ECE I,II,III and application approval process

CDA Credentialed Students will gain extensive classroom experience working as Assistant Teachers to enhance and increase their knowledge, skills, and experiences critical to providing children and families with high-quality Early Childhood Education. Students will utilize the AZ Infant & Toddler Developmental Guidelines and/or AZ Early Learning Standards and work independently to create, implement, and evaluate appropriate activities for children. Students will also be expected to serve as mentors to Student Aides. Participation in Family, Career & Community Leaders of America (Career and Technical Student Organization) is encouraged.

FILM/TV PROGRAM

Film/TV I A & B - CTE_274 & CTE_275**Grade 9-12****Full year, 1 credit***Prerequisites: None*

Utilizing computer applications to manage digital photographs and video, and applying knowledge of image capture and editing. Learning and applying the techniques of basic video production through a series of required projects. Students will be introduced to various Adobe software such as Photoshop, Premiere Pro and Lightroom. Topics such as career exploration in film tv and career preparation will be built into the curriculum. Participation in FBLA is strongly encouraged.

Film/TV II A & B - CTE_605_FY23 & CTE_606_FY23**Grade 11-12****Full year, 1 credit***Prerequisites: Film/TV I*

This course will prepare the student to integrate pre-production, production, post-production, Deliver/Distribution, Quality Assurance, and Presentation phases of Film & TV Production. Students will learn advanced editing techniques and motion graphics using Premiere Pro and After Effects. Students will also be introduced to TV Studio Production techniques. Students will also have the ability to earn national Adobe Certified Associate certification in Premiere Pro. Participation in FBLA is strongly encouraged

Film/TV III WBL A & B - CTE_680_FY23 & CTE_681_FY23**Grade 12****Full year, 1 credit***Prerequisites: Film/TV I, II and application approval process*

This course will be the development of a portfolio with the following projects: Classroom, School, Community, Business & Industry related to Film & TV and live studio production. Students will have the ability to earn national Adobe Certified Associate certification in After Effects. Participation in FBLA is strongly encouraged.

Film/TV IV Internship A & B - CTE_709_23 & CTE_710_23**Grade 12****Full year, 1 credit***Prerequisites: Film/TV I, II, III and application approval process*

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. This work experience may be paid or unpaid, and is available for 12th graders. Participation in FBLA is strongly encouraged.

FIRE SCIENCE PROGRAM**Fire Service I & II A & B - CTE_234 & CTE_235, CTE_295 & CTE_296****Grade 9-12****Full year, 1 credit***Prerequisites: Fire Service I to continue to level II*

The Fire Service program focuses on the principles, theory, and practices associated with the management of fire operations, firefighting services, and community fire issues. The Fire Service program includes instruction in fire protection history and theory, incident command leadership, administration of public fire organizations, labor relations, emergency medical services management, fire emergency response strategies and mitigation, legal and regulatory responsibilities, budgeting, public relations, and organizational leadership. The Fire Service program is delivered as a coherent sequence of courses designed to offer students' knowledge and skills that meet the needs of the workplace. The Professional Skills developed by business and industry leaders across Arizona are integrated throughout the program. Fire Service students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA.

The Fire Service instructional program prepares students for entry-level employment, further training, and/or post-secondary education for these and other occupations: Firefighter, Wildlife Firefighter, and EMT. NWCG Wildland Firefighter certification is offered in year 2. Participation in SkillsUSA is strongly encouraged

Fire Service III WBL- CTE_579 & CTE_580

Grade 10-12

Full year,1 credit

Prerequisites: Fire Service I & II and application approval process

Program Fee: None

Fire Science 3 will be an advanced continuation of techniques and concepts learned in Fire Science 1/2. Participation in SkillsUSA is encouraged.

Fire Service IV Internship A & B - CTE_762 FY24 & CTE_763 FY24

Grade 10-12

Full year,1 credit

Prerequisites: Fire Service I & II & III and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. This work experience may be paid or unpaid, and is available for 12th graders. Participation in SkillsUSA is strongly encouraged

GRAPHIC DESIGN PROGRAM

Graphic Web Design I A & B - CTE_238_FY23 & CTE_239_FY23

Grade 9-12

Full year, 1 credit

Prerequisites: None

This course prepares students to apply technical knowledge and skills to the layout, design, and typographic arrangement of printed and/or electronic graphic and textual products. The Graphic and Web Design program includes instruction in the operation and maintenance of specialized computer hardware as well as the professional use of industry-standard software applications. Participation in SkillsUSA is strongly encouraged.

Graphic Web Design II A & B - CTE_240_FY23 & CTE_241_FY23

Grade 10-12**Full year, 1 credit***Prerequisites: Graphic Design I*

The Graphic Design 2 course includes advanced instruction in digital imaging, print preparation, page layout and design, desktop publishing, and applicable principles of graphic design and web page design as well as an in-depth examination of graphic and web design's role in various commercial, industrial, and entertainment enterprises. Students will have the opportunity to earn Industry Certifications. Participation in SkillsUSA is strongly encouraged.

Graphic Design III A & B - CTE_435_FY23 & CTE_436_FY23**Grade 11-12****Full year, 1 credit***Prerequisites: Graphic Design I,II and application approval process*

The Graphic Design 3 course is work-based learning. This course takes the knowledge from Graphic Design I & II to a professional, project-based level. Students will participate in real world design projects utilizing the Adobe Creative Suite. Students who demonstrate interest and ability may be asked to participate in projects for their school and community. Industry certification may be offered in this course. Participation in SkillsUSA is strongly encouraged.

Graphic Design IV Internship A & B - CTE_322_FY23 & CTE_323_FY23**Grade 12****Full year, 1 credit***Prerequisites: Graphic Design I,II, III and application approval process*

The Graphic Design 3 course is an internship. This course takes the knowledge from Graphic Design I & II & III to a professional level. Students will participate in real-world design projects utilizing the Adobe Creative Suite. Students who demonstrate interest and ability may be asked to participate in projects for their school and community, at local businesses. Industry certification may be offered in this course. Participation in SkillsUSA is strongly encouraged.

LAW & PUBLIC SAFETY**LAW PUBLIC SAFETY I & II A & B - CTE_266 & CTE_267, CTE_268 & CTE_269****Grade 9-12****Full year, 1 credit***Prerequisites: Completion of Law I to continue to level II*

The Law and Public Safety program prepares individuals to apply theories and practices of organization management and criminal justice to the administration of public law enforcement agencies and operations. The Law and Public Safety program includes instruction in law enforcement history and theory, operational command leadership, administration of public police organizations, labor relations, incident response strategies, legal and regulatory responsibilities, budgeting, public relations, and organizational leadership. The Law and Public Safety Career and Technical Education program is delivered as a coherent sequence of courses designed to offer students' knowledge and skills that meet

the needs of the workplace. The Professional Skills developed by business and industry leaders across Arizona are integrated throughout the program. Law and Public Safety students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA. The Law and Public Safety instructional program prepares students for entry-level employment, further training, and/or post-secondary education for these and other occupations: Criminal Justice and Law Enforcement Teacher, Investigation and Security Service, Intelligence Analyst, Loss Prevention Managers, Protection Officer, and Asset Protection Specialist.

LAW PUBLIC SAFETY III WBL A & B - CTE_ 507 & CTE_508

Grade 11-12

Full year, 1 credit

Prerequisites: Completion of Law I & II and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. This work experience may be paid or unpaid, and is available for 12th graders.

MEDICAL ASSISTING PROGRAM

Medical Assist I A & B - CTE_444_FY_23 & CTE_445_FY_22

Grade 9-12

Full year, 1 credit

Prerequisites: None

Students will learn more advanced concepts in the role of the medical assistant, human anatomy and the disease process, office finances, insurance billing/coding health related competencies, transferable job skills, and explore multiple careers available in healthcare. Participation in HOSA is strongly encouraged.

Medical Assist II A & B - CTE_446_FY22 & CTE_447_FY22

Grade 9-12

Full year, 1 credit

Prerequisites: Level I

Second year students will learn more advanced concepts in the role of the medical assistant, human anatomy and the disease process, office finances, insurance billing/coding. Participation in HOSA is strongly encouraged.

Medical Assist III WBL A & B - CTE_721_FY_23 & CTE_722_FY_23

Grade 12

Full year, 1 credit

Prerequisites: Level I & II and application approval process

Medical assistants are the “right arm” of the modern medical clinic. They are trained to work closely with physicians, physician assistants and nurses. With state-of-the-art equipment and a simulated doctor’s office, students will become comfortable in a clinical environment. The program offers students the training needed to assist physicians both in the clinical area and in the administrative medical office setting. Participation in HOSA is strongly encouraged.

Medical Assist IV INTERNSHIP A & B - CTE_725_FY_23 & CTE_726_FY23

Grade 12

Full year, 1 credit

Prerequisites: LEVEL I & II & III and application approval process

Medical assistants are the “right arm” of the modern medical clinic. They are trained to work closely with physicians, physician assistants and nurses. With state-of-the-art equipment and a simulated doctor’s office, students will become comfortable in a clinical environment. The program offers students the training needed to assist physicians both in the clinical area and in the administrative medical office setting. Students will have the opportunity to Intern at local Hospitals and Doctor’s Offices. Participation in HOSA is strongly encouraged.

NURSING

Nursing I A & B - CTE_291_FY23 & CTE_292_FY23

Grade 9-12

Full year, 2 credits

Prerequisites: None

Second year Nursing students will learn nursing assistant skills related to diseases, disorders and direct patient care in hospitals and long-term settings. Through lectures, lab projects, and individual projects, students will be evaluated on their knowledge of the curriculum and have the opportunity to participate in providing patient care in a long-term care facility. Topics such as career exploration in Nursing and career preparation will be built into the curriculum. Participation in HOSA is strongly encouraged.

Nursing II A & B - CTE_490_FY_23 & CTE_491_FY23

Grade 10-12

Full year, 2 credits

Prerequisites: LEVEL I

Second year Nursing students will learn nursing assistant skills related to diseases, disorders and direct patient care in hospitals and long-term settings. Through lectures, lab projects, and individual projects, students will be evaluated on their knowledge of the curriculum and have the opportunity to participate in providing patient care in a long-term care facility. Topics such as career exploration in Nursing and career preparation will be built into the curriculum. Concurrent enrollment students through WAVE are eligible to take the certified Nursing Assistant exam. Participation in HOSA is strongly encouraged.

Nursing III Work Based Learning (WBL) A & B – CTE_730 & CTE_731

Grade 11-12

Full year, 1 credit

Prerequisites: Nursing I & II and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. This work experience will be unpaid, and in the classroom setting. Participation in HOSA is strongly encouraged.

Nursing IV INTERNSHIP A & B – CTE_725_FY23 & CTE_726_FY23

Grade 11-12

Full year, 1 credit

Prerequisites: Nursing I & II & III and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. This work experience may be paid or unpaid, and is available for 12th graders. Participation in HOSA is strongly encouraged.

PHARMACY SUPPORT SERVICES

Pharmacy Tech I A & B - CTE_682_FY23 & CTE_683_FY23

Grade 11-12

Full year, 1 credit

Prerequisites:

Students will prepare prescriptions by measuring, weighing, mixing, and compounding medications. Topics such as career exploration in Pharmacy and career preparation will be built into the curriculum. Participation in HOSA is strongly encouraged.

Pharmacy Tech II A & B - CTE_684_FY23 & CTE_685_FY23

Grade 11-12

Full year, 1 credit

Prerequisites: Pharmacy Tech I

Students will prepare prescriptions by measuring, weighing, mixing, and compounding medications. Students will have the opportunity to earn industry credentials including: OSHA 10 Healthcare, Basic Life Support (BLS) CPR/AED and Certified Pharmacy Technician. Participation in HOSA is strongly encouraged.

Pharmacy Tech III A & B - CTE_686_FY23 & CTE_687_FY23

Grade 12

Full Year, 1 credit

Prerequisites: Pharmacy Tech I & II and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. This work experience may be paid or unpaid, and is available for 12th graders. Participation in HOSA is strongly encouraged.

Pharmacy Tech IV Internship A & B - CTE_688_FY23 & CTE_689_FY23

Grade 12

Full Year, 1 credit

Prerequisites: Pharmacy Tech I & II & III and application approval process

Work alongside and assist licensed pharmacists in retail, long-term care facilities, pharmaceutical manufacturers, and government agencies. And deliver great customer service, manage inventory, and maintain the quality and purity of drugs. This work experience may be paid or unpaid, and is available for 12th graders. Participation in HOSA is strongly encouraged.

SOFTWARE DEVELOPMENT

***AP Computer Science A & B - CTE_603_FY23 CTE_604_FY23**

Grades 10-12

Full year, 1 credit

Prerequisites: AP Computer Science Principles or Software Development 1 The following goals apply to the AP Computer Science A course. Students should be able to: design, implement, and analyze solutions to problems. Students will use and implement commonly used algorithms and standard data structures. Students will develop and select appropriate algorithms and data structures to solve new problems and write solutions fluently in an object-oriented paradigm. Additionally, the student will write, run, test, and debug solutions in the Java programming language, utilizing standard Java library classes and interfaces from the AP Java subset.

***AP Computer Science Principles A & B – CTE_494_FY23 & CTE_495_FY23**

Grades 9-12

Full year, 1 credit

Prerequisites: None

This course introduces students to the central ideas of computer science, instilling the ideas and principles of computational thinking and how computing changes the works. This is a rigorous course that aligns with the College Board. Students will sit for the AP Computer Science Principles Exam.

Software & Application Design I A & B -CTE_280_FY23 & CTE_281_FY23

Grade 9-12

Full year, 1 credit

Prerequisites: none

The Software and App Design instructional program prepares students to apply basic engineering principles and technical skills to support engineers in developing, implementing, and evaluating computer software and program applications.

Software & Application Design II A & B - CTE_500_FY23 & CTE_501_FY23

Grade 10-12

Full year, 1 credit

Prerequisites: Software I

This course covers advanced technologies. Taking this course will focus on further developing computational thinking skills through the medium of Android App development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java programming language, XML, and device emulators. Students will collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases. Participation in FBLA is strongly encouraged.

Software & Application Design III WBL A & B – CTE_336_FY23 & CTE_337_FY23 Grade 12

Full year, 1 credit

Prerequisites: Software Application Design I & II and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. Participation in FBLA is strongly encouraged.

Software & Application Design IV Internship A & B – CTE_757_FY24 & CTE_758_FY24

Grade 12

Full year, 1 credit

Prerequisites: Software Application Design I & II & III and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. This work experience may be paid or unpaid, and is available for 12th graders.

SPORTS MEDICINE PROGRAM

Sports Medicine I A & B – CTE_417_FY23 & CTE_418_FY23

Grade 10-12

Full year, 1 credit

Prerequisites: None

This course will teach students' the basic knowledge and skills needed for Sports Medicine and Rehabilitation Services in a clinical, medical or retail setting or to continue to postsecondary education. Participation in HOSA is strongly encouraged. Consists of first aid for athletic injuries, basic knowledge of the human body and its functions, understanding of procedures to be followed in common athletic injuries and information on diets for athletes. Topics such as career exploration in sports med and career preparation will be built into the curriculum.

Sports Medicine II A & B – CTE_419_FY23 & CTE_420_FY23

Grade 11-12

Full year, 1 credit

Prerequisites: Sports Medicine I

This course will enhance the students' knowledge and skills to continue their education in Sports Medicine and Rehabilitation Services in a clinical, medical or retail setting or to continue to postsecondary education. Participation in HOSA is strongly encouraged.

Sports Medicine III A & B – CTE_699_FY23 & CTE_700_FY23

Grade 11-12

Full year, 1 credit

Prerequisites: Sports Medicine I & II and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. This work experience will be unpaid, and in the classroom setting. Participation in HOSA is strongly encouraged.

Sports Medicine IV Internship A & B – CTE_701_FY23 & CTE_702_FY23

Grade 11-12

Full year, 1 credit

Prerequisites: Sports Medicine I & II & III and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. This work experience may be paid or unpaid, and is available for 12th graders. Participation in HOSA is strongly encouraged.

WELDING PROGRAM

Welding I A & B – CTE_264 & CTE_265

Grade 9-12

Full year, 1 credit

Prerequisites: NONE

Introduction to welding concepts and the National Center for Construction Education and Research (NCCER) core curriculum and American welding society (AWS) standards. Topics include knowledge of all safety rules; pre and post-equipment inspections; fundamental welding processes and procedures. Welding I will focus on shielded metal arc welding, Padding "T" joints and groove welds. Introduction to cutting equipment, oxyfuel, plasma and mechanical. Introduction to welding symbols. Welding II, introduction to Gas metal arc welding and flux core arc welding. Participation in SkillsUSA is strongly encouraged.

Welding II A & B – CTE_276 & CTE_277

Grade 10-12

Full year, 1 credit

Prerequisites: Welding I

Advanced course based on NCCER and AWS standards, the welding processes Gas Metal Arc, Flux-cored Arc welding, introduction to tungsten gas metal arc welding and blueprint reading. Dual Enrollment welding is a course where college credit is earned for introduction courses. Advanced training in safety, welding tools and symbols.

Welding III Work Based Learning A & B – CTE_577 & CTE_578

Grade 11-12

Full year, 1 credit

Prerequisites: Welding I & II and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. This work experience will be unpaid, and in the classroom setting

Welding IV Internship A & B – CTE_759 FY24 & CTE_760 FY24

Grade 12

Full year, 1 credit

Prerequisites: Welding I & II & III and application approval process

This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific program they have studied. This work experience may be paid or unpaid, and is available for 12th graders. Participation in Skills USA is strongly encouraged.

RVHS ONLY ONLINE ELECTIVES

Archaeology: Detectives of the Past – CTE_761 FY24

Grade 11-12

1 Semester, .5 credit

Prerequisites: None

NOTICE OF NON-DISCRIMINATION

[Colorado River Union High School District](#)

The Colorado River Union High School District does not discriminate on the basis of race, color, religion, national origin, sex, disability, age or sexual orientation in admission and access to its programs, services, activities, or in any aspect of their operations and provides equal access to the Boy Scouts and other designated youth groups.

The Colorado River Union High School District also does not discriminate in its hiring or employment practices. The following employees have been designated to handle inquiries regarding the

nondiscrimination policies:

Aviso Continuo de No Discriminación

Escuelas del Distrito Unificado de CRUHSD

El Distrito Escolar Unificado de CRUHSD no discrimina por motivos de raza, color, religión, origen nacional, sexo, discapacidad, edad, u orientación sexual en admisión y acceso a sus programas, servicios, actividades o en cualquier aspecto de sus operaciones y proporciona igualdad de acceso a los Boy Scouts y a otros grupos juveniles designados.

El Distrito Escolar Unificado de CRUHSD no discrimina en sus prácticas de contratación o empleo. Los siguientes miembros del personal han sido designados para atender consultas relacionadas con las políticas de no discriminación

Tim Richard, Title IX Coordinator

Lina Engelhardt, SPED Director

Colorado River Union High School District

Colorado River Union High School District

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