

**COLORADO RIVER UNION HIGH SCHOOL DISTRICT**  
**Course Description Catalog**  
**Grades 9-12**  
**2023-2024**



# **COLORADO RIVER UNION HIGH SCHOOL DISTRICT**

## **Course Description Catalog**

### **Grades 9-12**

### **2023-2024**

**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. Fees for testing will be applied to the cost of the exams. 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.**

## **Transfer of credit**

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.

<b>Curriculum Area</b>	<b>CRUHSD Minimum Graduation Requirements</b>	<b>Arizona University Entrance Requirements</b>	<b>Types of Classes Recommended for University Bound Students</b>
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

	Freshman Year (9th Grade)	Sophomore Year (10th Grade)	Junior Year (11th Grade)	Senior Year (12th Grade)
<b>Honors/Advanced Track</b>	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)

	<b>Freshman Year (9th Grade)</b>	<b>Sophomore Year (10th Grade)</b>	<b>Junior Year (11th Grade)</b>	<b>Senior Year (12th Grade)</b>
<b>General/Conventional Track</b>	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**

	<b>Freshman Year (9th Grade)</b>	<b>Sophomore Year (10th Grade)</b>	<b>Junior Year (11th Grade)</b>	<b>Senior Year (12th Grade)</b>
<b>Honors/Advanced Track</b>	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)
	<b>Freshman Year (9th Grade)</b>	<b>Sophomore Year (10th Grade)</b>	<b>Junior Year (11th Grade)</b>	<b>Senior Year (12th Grade)</b>



<b>General/Conventional Track</b>	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

**Sequence for Science Courses**

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

				DE GLG 110 Environmental Geology and Natural Disasters (Spring)
				Biology 2
	<b>Freshman Year (9th Grade)</b>	<b>Sophomore Year (10th Grade)</b>	<b>Junior Year (11th Grade)</b>	<b>Senior Year (12th Grade)</b>
<b>General/Conventional Track</b>	Environmental Science	Physical Science	Physical Science	Chemistry
		Biology	Biology	Physics
				Anatomy and Physiology
				Biology 2

**Sequence for Social Studies Courses**

	<b>Freshman Year (9th Grade)</b>	<b>Sophomore Year (10th Grade)</b>	<b>Junior Year (11th Grade)</b>	<b>Senior Year (12th Grade)</b>
<b>Honors/Advanced Track</b>	None	Honors World History	AP US and AZ History	DE US Government (1 Semester)
			DE US and AZ History	Free Enterprise/Eco nomics (1 Semester)
	<b>Freshman Year (9th Grade)</b>	<b>Sophomore Year (10th Grade)</b>	<b>Junior Year (11th Grade)</b>	<b>Senior Year (12th Grade)</b>
<b>General/Conventional Track</b>	None	World History	US and AZ History	US Government (1 Semester)

				Free Enterprise/Economics (1 Semester)
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**CRUHSD Diploma Options** (Beginning with class of 2027)

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

<b>AP Courses in lieu of gen ed courses</b>	No requirement	No requirement	2 AP or DE credits required	6 AP credits required	No Requirement
<b>Total Credits</b>	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:

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

<b>Percentage</b>	<b>Letter Grade</b>	<b>Grade Point Value</b>	<b>Honors/AP Grade Point Value</b>
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
0-59	F	0.0	0.0

<p><b>P/F</b> Pass/Fail (option only available for student aide)</p>	<p><b>I</b> = Incomplete (maximum length of time to make up a course is one semester) If not completed the incomplete turns to "F"</p>	<p><b>W</b> = Withdrawn  <b>W/P</b> = withdrawn with a passing grade (not calculated in GPA)  <b>W/F</b> = withdrawn with a failing grade (calculated as an "F")</p>	<p><b>AU</b> = Audit (student did not meet course attendance requirements).</p>
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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, AP (Advanced Placement), designations in their titles. Students are required to sit through the entire course and take either 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 1<sup>st</sup> and 2<sup>nd</sup> semester after grades have been posted. Seniors will be ranked and have their GPA's calculated after their finals are recorded in their 8th semester. This result will be used to determine the weighted and unweighted GPA's. Eighth 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 4 classes for the first semester and at least 4 courses 2<sup>nd</sup> 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**

Credit advancement is available for \$100.00 per .5 credit through the personal learning platform (PLP) 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.

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.

### **Material Usage Fees**

High school students will be assessed reasonable fees for fine arts, science, physical education and career and technical education courses and for optional services, equipment and materials offered to students beyond those required to successfully complete the basic requirements.

**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 schools 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 is comprised of 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 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](mailto: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/ MCC programs selections are listed at the end of this catalog.**

# **CRUHSD COURSE DESCRIPTIONS**

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

## **Freshman Success** (class of 2027 & beyond)

**Freshman Success Course - (NEEDS COURSE ID)**

**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 Arizona Career Readiness Credentials (ACRC) certification, 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.

**\*Pre AP English One 9 A & B - (NEEDS COURSE ID's)**

**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 English 10 A & B – ENG\_342- ENG\_343**

**Grade 10**

**Full year, 1 credit**

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

This curriculum is designed to develop advanced language, literature, and analysis skills. The Honors English 10 course includes a balanced study of genres and literary texts, including Shakespeare, poetry, short stories, drama, and a world literature component. Students' interactions with texts generate moral, social, economic, political, cultural, and environmental insights. Evidence of higher-level thinking skills and independent work is expected.

**\*Pre AP English Two 10 A & B - (NEEDS COURSE ID)**

**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 theme, 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**

**1 semester, .5 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**

**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.

## **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 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**

**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**

**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 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**

**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 focuses on algorithms and algorithmic thinking and the concept of using reasoning to solve mathematical problems in contextual situations.

### **\*Honors Algebra I – MATH\_665 & MATH\_666**

**Grade 9**

**Full Year, 1 Credit**

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

In Algebra 1 Honors, students will use symbolic reasoning to represent mathematical situations, express generalizations, and study relationships among quantities that can be represented with linear equations, linear inequalities, and linear functions. Students will also be introduced to non-linear functions such as exponentials and quadratics. In Algebra 1, hand-held graphing calculators are strongly recommended as part of instruction and assessment. Students should be able to use a variety of representations (concrete, numerical, algorithmic, and graphical) and technology to model mathematical situations and solve meaningful problems. This course is tailored to intrigue and motivate students to learn, through authentic examples, how mathematics is useful and relevant to their lives.

### **\*Pre AP Algebra I- (NEEDS COURSE ID)**

**Grade 9**

**Full year, 1 credit**

*Prerequisites: Math 8 -85% or higher and 8<sup>th</sup> 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 (8<sup>th</sup> 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.

### **\*Pre AP Geometry with Statistics (NEEDS COURSE ID)**

**Grade 9–10**

**Full year, 1 Credit**

*Prerequisite: Algebra I (8<sup>th</sup> 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.

## **\*Pre AP Algebra II- (NEEDS COURSE ID)**

**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 – (NEEDS COURSE ID)**

**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 - (NEEDS COURSE ID)**

**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 – (NEEDS COURSE ID)**

**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 – 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 – (NEEDS COURSE ID)**

**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 – (NEEDS COURSE ID)**

**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**

**Theater Production A – FA\_456**

**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 B– FA\_457**

**Grades 10-12**

**Full year, 1 elective credit**

*Prerequisites: Theater Arts I*

Students will continue to build on the basic acting skills developed in Theater Arts A. Areas of focus will include: character development, script writing, script analysis, voice and diction, dialects, audition techniques, stage movement, and monologue work. The class requires one to two performances held after school and evenings.

**Theater Production C - (NEEDS COURSE ID)**

**Grades 11-12**

**Full Year, 1 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 - (NEEDS COURSE ID)**

**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 – (NEEDS COURSE ID)**

**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**

**1 semester, .5 credit**

*Prerequisites: Audition for instructor/summer band camp*

*Course Fee:*

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.

Course fees will apply. 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 – (NEEDS COURSE ID)****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-FA\_498****Grades 9-12****1 semester, .5 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.

**GuitarB-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 A & B-FA\_500 & FA\_501****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.

**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.

**Beginning Dance – (NEEDS COURSE ID)****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 – (NEEDS COURSE ID)****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.

**Performance Dance & Choreography – (NEEDS COURSE ID)****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 – FA\_402****Grades 9-12****1 semester, .5 credit***Prerequisites: None**Course Fee: \$15.00 per semester class*

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. Material usage fee required.

**Art II – FA\_466****Grades 9-12****1 semester, .5 credit***Prerequisites: Art I**Course Fee: \$15.00 per semester class*

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 – FA\_468****Grades 9-12****1 semester, .5 credit***Prerequisites: Art II**Course Fee: \$15.00 per semester class*

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

**Art IV – FA\_486****Grades 9-12****1 semester, .5 credit***Prerequisites: Art III**Course Fee: \$15.00 per semester class*

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

**Art Design - (NEEDS COURSE ID)****Grades 9-12****1 semester, .5 credit***Prerequisites: Art I**Course Fee: \$15.00 per semester class*

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*

*Course Fee: \$15.00 per semester class*

Students will explore the nature of clay and glazes, hand forming methods, throwing on the potter's wheel, decorative processes and glaze applications. Material usage fee required.

### **Ceramics II - FA\_408**

**Grades 10-12**

**1 semester, .5 credit**

*Course Fee: \$15.00 per semester class*

*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. Material usage fee required.

### **Intro to Painting I- FA\_438**

**Grades 9-12**

**1 semester, .5 credit**

*Prerequisites: None*

*Course Fee: \$15.00 per semester class*

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*

*Course Fee: \$15.00 per semester class*

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. Material usage fee required.

### **\*AP Studio Art –(NEEDS COURSE ID)**

**Grades 10-12**

**Full year, 1 credit**

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

*Fee: \$15.00 per semester*

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 insure they are growing in their artistic ability and will be able to recognize their growth and the growth of their peers.

## **World Languages**

### **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 - (NEEDS COURSE ID)**

**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 –(NEEDS COURSE ID)**

**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 - (NEEDS COURSE ID)**

**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**

### **Physical Education-Boys - (Need correct code)**

**Grades 9-12**

**1 semester, .5 credit PE**

*Prerequisites: None*

*Course Fee: \$20.00 for a Uniform*

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.

**Physical Education-Girls -(Need correct code)****Grades 9-12****1 semester, .5 credit PE***Prerequisites: None**Course Fee: \$20.00 for a Uniform*

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.

**Physical Education-(Need correct code)****Grades 9-12****1 semester, .5 credit PE***Prerequisites: None**Course Fee: \$20.00 for a Uniform*

This is a coed class 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.

**Weight Training A - PE\_714****Grades 9-12****1 semester, .5 credit PE***Prerequisites: Physical Education or Instructor Approval**Course Fee: \$20.00 for a Uniform*

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 PE***Prerequisites: Physical Education or Instructor Approval**Course Fee: \$20.00 for a Uniform*

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-Boys -(Need correct code)****Grades 9-12****Full year, 1 credit PE***Prerequisites: Physical Education or Instructor Approval**Course Fee: \$20.00 for a Uniform**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.



## **Athletics Weights-Girls - (Need correct code)**

**Grades 9-12**

**Full year, 1 credit PE**

*Prerequisites: Physical Education or Instructor Approval*

*Course Fee: \$20.00 for a Uniform*

*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 - PE\_902**

**Grades 9-12**

**1 semester, .5 credit Health**

*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 communicable diseases, addiction, wellness, safety, self-esteem, and decision-making.

## **Unified Sports & Partner Physical Education – (Need correct code)**

**Grade 11-12**

**1 semester, .5 credit PE**

*Prerequisites: Physical Education and/or Instructor Approval*

This course is a reverse inclusion class. General education students are brought into a special education setting to work as peer buddies with students who have disabilities. Students will participate in the Unified Sports Program.

## **Science**

### **Environmental Science A & B -SCI\_831 & SCI\_832**

**Grade 9**

**Full year, 1 credit**

*Prerequisite: None*

*Course Fee: \$15.00*

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 Environmental Science A & B- SCI\_858 & SCI\_859**

**Grade 9, 10**

**Full year, 1 credit**

*Prerequisites: Instructor approval*

*Course Fee: \$15.00*

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*

*Course Fee: \$15.00*

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*

*Course Fee: \$15.00*

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 A & B - SCI\_824 & SCI\_825**

**Grade 10, 11**

**Full year, 1 credit**

*Prerequisite: None*

*Course Fee: \$15.00*

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.

### **\*Honors Biology A & B- SCI\_847 & SCI\_848**

**Grade 10, 11**

**Full year, 1 credit**

**credit**

*Prerequisites: Concurrent enrollment in Geometry and/or Instructor Approval*

*Course Fee: \$15.00*

This is a rigorous science course intended for students who are seriously considering preparation for a science curriculum at a post-secondary institution. With inquiry at the core, the Honors Biology class aims to guide students to independently and collaboratively investigate issues through research, observation, and experimentation. This course explores the connections between biology and everyday life.

**\*PRE AP Biology - (NEEDS COURSE ID)**

**Grade 10, 11**

**Full year, 1 credit**

*Prerequisite: Concurrent enrollment in Geometry and Instructor Approval*

*Course Fee \$15*

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*

*Course Fee: \$15.00*

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*

*Course Fee: \$15.00*

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*

*Course Fee: \$15.00*

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*

*Course Fee: \$15.00*

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 A & B-SCI\_866 & SCI\_867**

**Grades 11-12**

**Full year, 1 credit**

*Prerequisites: Chemistry*

*Course Fee: \$15.00*

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*

*Course Fee \$15.00*

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, toolmarks, impressions, and fingerprints.

**\*DE ENV 101 Environmental Science with Lab A & B- SCI\_829 & SCI\_830**

**Grades 11-12**

**1 Semester, .5 Credit**

*Prerequisites: See College Requirements/See Counselor*

*Course Fee: \$15.00*

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 is 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*

*Course Fee: \$15.00*

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.

**Chemistry A & B - SCI\_806 & SCI\_807**

**Grades 11-12**

**Full year, 1 credit**

*Prerequisites: Completion of Geometry and Biology*

*Course Fee: \$15.00*

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.

**\*Honors Chemistry A & B-SCI\_827 & SCI\_828**

**Grades 11-12**

**Full year, 1 credit**

*Prerequisites: Geometry and Honors Biology,*

*Course Fee: \$15.00*

This is a challenging, lab-oriented course designed for students considering going into AP Chemistry. Major emphasis is on writing and evaluating chemical reactions and relationships.

**\*AP Chemistry A & B-SCI\_841 & SCI\_842**

**Grades 11-12**

**Full year, 1 credit**

*Prerequisites: Algebra II and Chemistry or Honors Chemistry,*

*Course Fee: \$15.00*

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- (NEEDS COURSE ID)**

**Full year, 1 credit**

*Prerequisites: Chemistry Higher Level*

*Course Fee: \$15.00*

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**

**Grades 11-12**

**Full year, 1 credit**

*Prerequisites: Biology, Chemistry and concurrent enrollment in Algebra II*

*Course Fee: \$15.00*

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.

**\*Honors Physics A & B - (NEEDS COURSE ID)**

**Grades 11-12**

**Full year, 1 credit**

*Prerequisites: Biology, Chemistry and concurrent enrollment in Algebra II*

*Course Fee: \$15.00*

Teacher recommendation is advised. This is an intensive 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 I A & B- (NEEDS COURSE ID)**

**Grades 11-12**

**Full year, 1 credit**

*Prerequisites: Pre-Calculus*

*Course Fee: \$15.00*

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- Electricity & Magnetism-(NEEDS COURSE ID)**

**Grades 11-12**

**Full year, 1 credit**

*Prerequisites: AP Physics C mechanics & Calculus AB*

*Course Fee: \$15.00*

This course applies both differential and integral calculus and build 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*

*Course Fee: \$15.00*

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*

*Course Fee: \$15.00*

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.

**\*Honors Environmental Science A & B- SCI\_858 & SCI\_859**

**Grade 9,10**

**Full year, 1 credit**

*Prerequisites: Biology and Chemistry*

*Course Fee: \$15.00*

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.

**\*AP Environmental Science - (NEEDS COURSE ID)**

**Grades: 11-12**

**Full Year, 1 credit**

*Prerequisites: Chemistry or instructor approval*

*Course Fee: \$15.00*

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.

**\*Honors Biotechnology I –(NEEDS COURSE ID)**

**Grades 10-11**

**Full Year, 1 Credit**

*Prerequisite: Honors Biology*

*Course Fee: \$15.00*

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 –(NEEDS COURSE ID)**

**Grades 10-12**

**Full Year, 1 Credit**

*Prerequisite: Honors Biotechnology I*

*Course Fee: \$15.00*

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. Course fee required.

**Sports, Exercise & Health Science - (NEEDS COURSE ID)**

**Grades 11-12**

**Full Year, 1 credit**

*Prerequisite: Biology*

*Course Fee: \$15.00*

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.

**Biology II A & B- SCI\_824 & SCI\_825**

**Grades 11-12**

**Full Year, 1 credit**

*Prerequisite: Biology*

*Course Fee: \$15.00*

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.



**\*DE GLG 101 Physical Geology with lab A & B- SCI\_810 & SCI\_811**

**Grades 11-12**

**1 Semester, .5 credit**

*Prerequisites: See College Requirements/See Counselor*

*Course Fee: \$15.00*

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*

*Course Fee: \$15.00*

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 - (NEEDS COURSE ID)**

**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 World History and Geography A & B- (NEEDS COURSE ID)**

**Grades 9-12**

**Full year, 1 credit**

*Prerequisite: Instructor Approval*

This course covers world history and geography from early civilization to the present. Students are required to read literary works and other primary source materials that relate to the course. Strong writing and research skills are necessary to be successful in this class. Critical thinking and problem solving will be encouraged, along with individual and group multi-skill projects in this challenging course.

**\*Pre AP World History and Geography A & B - (NEEDS COURSE ID)**

**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 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 are 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-(NEEDS COURSE ID)**

**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 - (NEEDS COURSE ID)**

**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 - (NEEDS COURSE ID)**

**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**

**1 Semester, .5 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**

**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**

**1 semester, .5 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 – (NEEDS COURSE ID)**

**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 - (NEEDS COURSE ID)****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- (NEEDS COURSE ID)****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 have placed in the Caribbean, Latin America and throughout the world will be reviewed. The impact of African history such topics 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 - (NEEDS COURSE ID)**

**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 - (NEEDS COURSE ID)**

**Grades:10-12**

**Full Year, 1 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 –(NEEDS COURSE ID)**

**Grade 10-12**

**Full Year; 1 elective credit**

*Prerequisite: See Counselor*

Part of AP Capstone Diploma Program year one of 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 - (NEEDS COURSE ID)**

**Grade 11-12**

**Full Year; 1 elective credit**

*Prerequisite: See Counselor*

Part of AP Capstone Diploma Program year two of 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**

**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 on-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 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 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 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](mailto: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) a 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](mailto: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.



# **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.

## **BUSINESS MANAGEMENT PROGRAM**

### **Business Management I - CTE\_328\_FY23 & CTE\_329\_FY23**

**Grade 10-12**

**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 III*

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 IV*

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 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*

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*

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*

Program Fee: None

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: Successful completion of Culinary I*

Program Fee: None

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*

Program Fee: None

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*

Program Fee: None

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 1*

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 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 photo-graphy. 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*

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*

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 10-12**

**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*

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 III WBL*

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: Successful completion of Film/TV II*

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: Successful completion of Film/TV III*

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 **NEED TO ADD COURSE****

**Grade 9-12**

**Full year, 1 credit**

*Prerequisites: Fire Service I to continue to level II*

Program Fee: None

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 NEED TO ADD COURSE**

**Grade 10-12**

**Full year,1 credit**

*Prerequisites: Fire Service I & II*

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 - (Need Course Code) NEED TO ADD COURSE**

**Grade 10-12**

**Full year,1 credit**

*Prerequisites: Fire Service I & II & III*

Program Fee: None

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*

Program Fee: 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: Successful completion of Graphic Design I*

Program Fee: None

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: Successful completion of Graphic Design II*

Program Fee: None

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: Successful completion of Graphic Design III*

Program Fee: None

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*

Program Fee: None

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. Participation in SkillsUSA is strongly encouraged

**LAW PUBLIC SAFETY III WBL A & B - CTE\_ 507 & CTE\_508**

**Grade 11-12**

**Full year, 1 credit**

*Prerequisites: Completion of Law I & II*

Program Fee: None

This program will lead students into more advanced criminal justice applications and students who qualify will have the opportunity to earn their APCO Call Taker Certification. Participation in SkillsUSA is strongly encouraged.

**LAW PUBLIC SAFETY IV Internship - (Need course number)NEED TO ADD COURSE**

**Grade 12**

**Full year, 1 credits**

*Prerequisites: Completion of Law I & II*

Program Fee: None

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*

Program Fee: 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*

Program Fee: None

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**

**Location:**

*Prerequisites: Level I & II*

Program Fee: None

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*

Program Fee:

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 Doctors 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:*

Second year Nursing students will learn nursing assistant skills related to diseases, disorders and direct patient care in hospitals and long-term settings. Through lecture, 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**

**Location: Mohave Community College (CE Class) 11- 12 grade only**

*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 lecture, 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*

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*

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*

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.

### **PharmacyTech IV Internship A & B - CTE\_688\_FY23 & CTE\_689\_FY23**

**Grade 12**

**Full Year, 1 credit**

*Prerequisites: Pharmacy Tech I & II & III*

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*

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 – (NEED Course Number)Need to add course**

**Grade 12**

**Full year, 1 credit**

*Prerequisites: Software Application Design I & II & III*

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*

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*

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 focuses 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*

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 – (Needs course Number)Need to add Course**

**Grade 12**

**Full year, 1 credit**

*Prerequisites: Successful Completion of Welding I & II& III*

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 – (Needs course Number)Need to add Course**

**Grade 11-12**

**1 Semester, .5 credit**

*Prerequisites: None*

## **CONTINUOUS 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:

**Tim Richard, Title IX  
Coordinator**

Colorado River Union High  
School District

PO Box 21479

Bullhead City, Az 86439

928-758-3916

trichard@crsk12.org

**Lina Engelhardt, SPED Director**

Colorado River Union High  
School District

PO Box 21479

Bullhead City, Az 86439

928-758-3916 EXT. 1404

lengelhardt@crsk12.org

## 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**

Colorado River Union High School  
District

PO Box 21479

Bullhead City, Az 86439

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**Director**

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