

Queen Creek Unified School District



2020-2021 Course Catalog



**Queen Creek Unified School District
2020-2021 Course Description Catalog
Grades 9-12**

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QUEEN CREEK UNIFIED SCHOOL DISTRICT EDUCATIONAL PROGRAMS

NOTICE OF NONDISCRIMINATION

Annual Public Notification of Nondiscrimination Queen Creek Unified School District does not discriminate on the basis of race, color, national origin, gender, age, or disability in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of their operations. The Queen Creek Unified School District does not discriminate in its hiring or employment practices. This notice is provided as required by Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. Questions, complaints, or requests for additional information regarding these laws may be forwarded to the designated compliance coordinator(s). Steve Ray, Director of Special Education, 20217 E. Chandler Heights Rd., Queen Creek, AZ 85142. 480-987-5935.

Notificación de Non Discriminación (Spanish Version) Queen Creek Unified School District no discrimina raza, color, nacionalidad, género, edad, o incapacidad de admisión a sus programas, servicios, o actividades, en acceso a ellas, en el tratamiento a individuos, o en ningún aspecto de sus operaciones. El Queen Creek Unified School District tampoco discrimina en sus contratos o prácticas de empleados. Esta noticia es provista y requerida por el Título VI del Acto de Derechos Civiles de 1964, Sección 504 del Acto de Rehabilitación de 1973, Título IX de la Enmienda Educativa de 1972, en el Acto de Era de Discriminación de 1975, y el Acto de los Estadounidenses con Habilidades Diferenciadas de 1990. Preguntas, quejas, o para más información con respecto a estas leyes pueden remitir por al coordinador de complacer. Steve Ray, Director of Special Education, 20217 E. Chandler Heights Rd., Queen Creek, AZ 85142. 480-987-5935.

COMPLIANCE STATEMENT

The Queen Creek Unified School District No.95 affirms its intent to comply with all federal and state laws relating to prevention of discrimination. All courses, services, activities, and employment opportunities are offered without regard to race, color, creed, national origin, age, sex, or handicapping conditions.

The lack of English language skills will not be a barrier to admission and participation in Vocational Skills.

General Information

This catalog lists the high school courses offered at QCUSD. Students need to carefully consider the information in this catalog so that they can make informed decisions about their course of study while attending a QCUSD. Requests for reasons of teacher preference will not be honored. Counselors are available to assist students 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 requirements
- Check for prerequisite requirements before enrolling in a class
- It is important that students make thoughtful course selections during the spring registration period because course offerings and teacher assignments are based on the spring registration numbers
- Acceptance of transfer courses from sources outside of Queen Creek Unified are not automatic. Please meet with a counselor to determine how credit will be transferred before enrolling.

Absences

An absence is defined as a student not being present in his/her assigned classroom during his/her assigned period. An unexcused absence is any absence from one or more class periods, which has not been excused by a parent **and** does not meet the excusable absence requirements. Truancy is 5 days of unexcused absences. A student who reaches 10 absences, excused or unexcused, during a semester may lose credit in the class or classes in which the 10 days are recorded. The following procedure will be followed:

- Parents will be notified when students reach 5, 7, and 10 absences.
- When students reach eight (8) or more absences they will sign the Audit Notification warning in a conference with administration.
- If students exceed nine (9) absences for any one class they will be placed on audit status for that course.
 - Students will remain in the class on audit status and may lose credit.
 - Students will need to complete and turn in the Excessive Absence Appeal Form with proper documentation verifying the absences.
 - Administration will determine if the appeal is granted.

C.U.T.S

School attendance is not only a good habit, state law requires it. Arizona State law (§15-807.2, A, 15-803.E) requires every person who has custody of a child between the ages of six and sixteen years shall make sure the child attends school for the full time school is in session unless unable to attend due to illness or another legitimate reason. To encourage and improve school attendance, Queen Creek Schools have implemented a truancy program in partnership with Maricopa County Juvenile Court. This truancy program is called C.U.T.S. (Court Unified Truancy Suppression). We will be tracking attendance very closely. Your child is expected to be at school every day, unless there is an excused reason not to be. An absence is defined as a minimum of one missed class period per day. An unexcused absence will count as a truant day as defined by law. A student is "habitually truant" if he/she has five or more unexcused absences from school. A student that is absent more than ten percent (18 days) of the required number of school days per year is considered to have "excessive absences" whether the absence is excused or unexcused. When a student has five or more unexcused absences or 18 excessive absences (excused OR unexcused), the student can be cited to the CUTS Program through the Juvenile Court. The hearing will be held on the school campus with representatives from Queen Creek Schools and the Juvenile Court. A parent or legal guardian must be present with the student at the time of the hearing. Consequences at the hearing may include the following: required attendance of the parent and the child at an education class (to be held on Saturdays), work hours assigned to the child, counseling, etc. The parent will be assessed a \$50 Diversion fee. Failure to complete these consequences may result in suspension of your child's driver's license, or inability to get a driver's license until their 18th birthday and/or formal court proceeding. It is the parent's/guardian's responsibility to ensure their child's attendance in an approved academic setting. If you fail to take the necessary steps to provide your child with the appropriate education you may receive a citation. If convicted, it is a class 3 misdemeanor punishable by jail time and/or fine. The education of your child is extremely important to us. This program is another way that Queen Creek High School and Eastmark High School are working with the community to ensure a quality education for all students. If you

have any questions or concerns, please feel free to contact Queen Creek High School or Eastmark High School. Thank you for your support regarding this program.

College Credit/Dual Enrollment

Credit for college courses, while attending high school, can be earned through dual enrollment courses. Queen Creek High School, Eastmark High School, Maricopa Community Colleges, and Grand Canyon University have designed a cooperative program for a variety of courses that allows students to earn both high school and college credit. These classes are held on the high school campus as part of the regular school day. If students are to receive community college credit, they must pay community college tuition through the community college. They may also need to pass the ASSET or Accuplacer test. The registration and tuition payment process will be handled in through the community college. Upon successful completion of these courses, students may transfer credits to other colleges or universities although each institution may vary in its acceptance and applicability of any transfer credit. Courses that may be offered for community college credit are noted in the course description catalog. See the Guidance and Counseling Department for a complete list of dual enrollment courses.

NOTE: Students may take a college course for elective credit only as long as the course is NOT currently offered at QCHS or EHS. Required high school classes cannot be taken at college for a replacement grade without prior administrative approval. The amount of high school credit(s) issued will vary according to type and amount of credit transferred from the college. Please contact the High School Guidance Department for help determining transfer credits prior to enrolling.

Course Credit – QCHS & EHS awards credit on a semester basis.

- A unit of credit is granted for work completed in a course meeting one period daily for the academic year. One-half unit of credit is granted for work completed in a course meeting one period daily for one-half the academic year (one semester).
- Newell Barney and Queen Creek Middle School students will be offered high school Algebra I and Spanish 1 in the 8th grade. The class will be placed on the high school transcript if the student passes with a C or above. If a student receives a grade lower than a C, the student must pass Queen Creek/ Eastmark High School's proficiency assessment to earn that semester(s) credit. Contact Queen Creek/Eastmark High School Counseling Department to learn about available assessment dates. These credits will be recorded onto the students' high school transcript with letter grades and will be counted into the student's cumulative grade point average. Students must still take four math credits at the high school.
- Students attempting to earn high school credits at sites other than QCHS or EHS must meet with and receive approval from a counselor before enrolling in classes to clarify if credit will be granted and to determine what process must be followed to have the credit transferred. For credit to be awarded, the transfer credit must be submitted to QCHS or EHS on an official high school transcript from an accredited high school. Please note that the QCHS or EHS Registrar MUST receive distance course grades one week prior to the end of the current school year in order to earn credit for that school year.
- Students will receive one (1) or more training sessions in cardiopulmonary resuscitation, through the use of psychomotor skills in an age-appropriate manner during high school. CPR instruction and training is a graduation requirement that takes effect in July 2019.
- If a student withdraws from a semester course after the nine week grading period, the student will receive a grade of Withdrawal/Failure (WF) that will appear on the permanent record and be calculated into their GPA. The WF grade will be used for honor roll and class rank calculations. Administrative approval is required for late 'drops.'

Early Graduation

Students desiring early high school graduation must submit a written statement at least one semester prior to the desired graduation date to the high school principal. While all graduation requirements must be met by the early completion date, diplomas will be awarded only at the completion of the spring semester. (Refer to QCUSD IKFA Policy)

Transfer Students

Transfer students are expected to enroll in a full schedule when they transfer into the high school. They are responsible for meeting Queen Creek Unified School District graduation requirements. Course work completed outside the District will be evaluated to determine if credit will be awarded. In accordance with Queen Creek Unified School District (QCUSD) policy, transfer students must attain at least three (3) credits from QCHS or EHS or file an appeal for graduation consideration with the principal. (Refer to QCUSD IKF Policy)

Students Registering After the 20th Day of the Semester

If a student registers after the 20th day of a semester and/or has not attended *any* school during the past 20 school days, the student will be registered on an audit basis and no credit will be awarded. The Counseling Department will assist late registrants in examining alternatives to earn credit. Special circumstances may be dealt with on a case by case basis.

New students entering QCHS or EHS from another district or state will be classified based on the number of credits they have earned from the previous school:

Graduation Deficiencies

Seniors with graduation deficiencies will not be allowed to participate in graduation ceremonies.

Online Learning Options

Queen Creek Distance Learning (QCDL)	Queen Creek Virtual Academy (QCVA)
The purpose of Queen Creek Distance Learning (QCDL) is to provide the students of Queen Creek High School a flexible learning opportunity through on-line classes.	The purpose of Queen Creek Virtual Academy is to provide students an opportunity to learn virtually if the traditional brick and mortar school or hybrid school schedule is not a successful placement.
Students have a hybrid schedule where online courses are taken for one period on campus – or – before or after school.	Students are completely virtual so classes are taken at home.
Students who are seeking to take a more rigorous course load for the scholastic diploma or those needing to recover credits due to release time are perfect candidates for QCDL	If you need greater flexibility than a traditional or hybrid schedule can offer, you are the ideal candidate for QCVA.
Students will communicate with teachers primarily through messages, discussion boards, chat, email, or phone calls.	Students will communicate with teachers primarily through messages, discussion boards, chat, email, or phone calls.
Students have 26 weeks to complete a full credit course in QCDL	Students take one or two classes at a time and have three weeks or six weeks (depending on how many courses are taken) to complete the course.
Cost: \$300 per 26 week access period.	Cost: Free

Enrollment in QCDL and QCVA is **limited** to QCUSD high school students only who currently attend a Queen Creek Unified District High School. Current course offerings are specific to grades 9-12.

Registration Process for QCDL:

- 1.) Students must register in person at Queen Creek or Eastmark High Schools for the Virtual Academy.
- 2.) Set up a meeting with a counselor.
- 3.) The counselor reviews the student's current grades, transcripts and life situation.
- 4.) If the counselor believes that the student would be a candidate for QCDL, the student is then referred to the supervising administrator over QCDL.
- 5.) The supervising administrator will review the counselor recommendation and contact the student and parent for an initial meeting.
- 6.) The student and parent will pay the Queen Creek or Eastmark High Schools Bookstore before obtaining access to QCDL courses.

Registration Process for QCVA:

- 1.) Students must register in person at Queen Creek or Eastmark High Schools for the Virtual Academy.
- 2.) Set up a meeting with a counselor.
- 3.) The counselor reviews the student's current grades, transcripts and life situation.
- 4.) If the counselor feels that the student would be a candidate for QCVA, and feels a student could be successful in the virtual learning environment, the counselor fills out a QCVA referral form and gives the paperwork to the supervising administrator over QCVA.
- 5.) The supervising administrator will review the counselor recommendation and contact the student and parent for an initial meeting.

6.) The supervising administrator will make a decision at the meeting to deny either enrollment into QCVA, delay enrollment by placing the student on a waiting list for QCVA, or accept the student into QCVA.

Courses Offered Please refer to the Queen Creek Virtual Academy Handbook.

Distance Learning Credits - Students currently enrolled in Queen Creek Unified School District (QCUSD) are allowed up to three total distance learning/correspondence credits toward their graduation requirements. Students who take correspondence/distance learning course in a core area outside of QCUSD will be required to take a proficiency test. An appeal for additional distance learning/correspondence credits may be filed with the Principal or designee. Students may earn distance learning credits with the following additional restrictions: (This does not apply for QCVA students)

- Courses must be taken at an accredited institution.
- Freshmen, sophomores, and juniors cannot use distance learning to replace courses that have been designated for state mandated testing.
- Distance Learning grades are non-weighted

Grades

Students attending QCHS and EHS will be assessed using the following grading scales. Students will be expected to follow the Academic Misconduct and Cheating policy (plagiarism) as outlined in the student handbook.

<u>Grading Scale</u>	<u>GPA</u>	<u>Weighted GPA</u>
A = 90-100	A = 4.0	A = 5.0
B = 80-89	B = 3.0	B = 4.0
C = 70-79	C = 2.0	C = 2.5
D = 60-69	D = 1.0	D = 1.0
F = 0-59	F = No Credit	F = No Credit

Pass/Fail grades are awarded for the Student Assistant, Peer Tutor and Parallel Learners programs and when a student tests out of a course. A grade of "P" is not used to determine grade-point value and does not count toward Honor Roll. NCAA interprets a "P" grade as a "D" grade according to NCAA guidelines.

Additional Grades

- NCR No Credit (Students receive this grade when they have met course requirements but have not met the attendance requirement.)
- INC Incomplete (An incomplete grade must be made up no later than two weeks after the quarter ends.)
- NG No Grade (Usually given to transfer students when transcripts have not arrived or student was not in school for a long enough period to attempt a grade.)
- W Withdraw (Used in exceptional circumstances)
- WF Withdraw/Fail (Students receive this grade when they withdraw from a course after the first nine weeks of each semester.)

NCAA (National Collegiate Athletic Association) Eligibility

All prospective student athletes who intend to participate in NCAA Division I or II athletics must register and be certified by the NCAA Initial-Eligibility Clearinghouse. *NCAA requires a specific group of courses.* These courses must be taken in grades 9-12 and NCAA will not accept credit earned in 7th or 8th grade. See the Guidance and Counseling Department for details and/or possible changes in registration procedures. NCAA interprets a "P" grade as a "D" grade according to NCAA guidelines.

Lab Fees

Lab fees will only be refunded during the first semester drop/add period, which consists of the first two weeks of the school year, or with administrative approval.

Scholarship and Financial Aid

Specific information regarding college scholarships and financial aid may be obtained from the College and Career Specialist. Scholarships are continuously updated on the Queen Creek High School and/ or Eastmark High School website.

East Valley Institute of Technology (EVIT)

Queen Creek High School and Eastmark High School are members' of the East Valley Institute of Technology (EVIT) Joint Technical Education District (JTED). EVIT is a specialized school that offers high school level technical training in several cluster areas. Completion of a series of courses may qualify students for industry-recognized certifications. EVIT training can also lead to advanced education in the students' chosen fields of study at the post-secondary level. Students attend EVIT courses one-half of each day while the other half is spent at QCHS/ EHS. Transportation is provided for PM EVIT students only. See all EVIT course listings at the end of this catalog.

Honor Roll

1. Students must be enrolled in at least 4 classes that determine GPA, EVIT classes are not eligible.
2. Students may have no grade below a B.
3. Students must have a grade point average between 3.25 and 3.74 for Honor Roll.
4. Students must have a grade point average of 3.75 or above for the Principal's Honor Roll.
5. Students who are on the Principal's Honor Roll for the first three semesters of being enrolled at Queen Creek and Eastmark High School will receive an Academic Letter Certificate at the Academic Awards Ceremony.

HONORS/ ADVANCED PLACEMENT/ DUAL ENROLLMENT

Weighted courses must be designed and implemented to demand more challenging involvement on the part of the students. The coursework must be significantly more rigorous (higher levels of quality student thinking) than their standard course counterpart and must provide students multiple opportunities to take greater ownership of their learning. These courses should be distinguished by differences in the quality and composition of their coursework, not by the quantity of the work required. Weighted courses should be designed for students who have demonstrated a high level of interest and academic achievement in a given subject area.

Accordingly, students and parents should understand that weighted courses are more demanding and have requirements beyond those of non-honors courses.

All weighted courses must contain:

1. Significant academic rigor requiring additional effort and perseverance on the part of the student
2. Additional depth and breadth of content compared to a non-honors section
3. Relevant learning to students
4. Critical and reflective thinking emphasis
5. Greater amount of class discussion, using the Socratic method, with opportunities to defend ideas and positions
6. Alignment to Arizona College and Career Ready standards
7. Technology integration
8. Evidence of various types of writing tasks including argumentative, informational, and persuasive components
9. Creative approach to instruction
10. Provide a foundation for success in AP classes and college success
11. Requirement of prior mastery of prerequisite skills
12. Multi-purpose assessments that include peer evaluation, risk taking, critical thinking and creativity

Weighted courses should also exhibit two or more of the following:

- Independent research
- Summer reading or other outside summer activities
- Inquiry learning
- Integration of two or more content areas (?)
- Leadership components
- Service learning opportunities

Note:

These guidelines will be used to determine if a course will be given honors/weighted credit.

Advanced Placement (AP) course accepted by the College Board are automatically accepted as weighted credit.

ADVANCED PLACEMENT PROGRAM (AP)

The Advanced Placement Program consist of college-level courses and the exams are governed by the College Board. Students who attain acceptable scores on the exams may qualify for college credit, advanced placement, in college or exemption from certain courses. Students are required to take the AP exam in the spring. A fee is required for each AP exam.

Several courses in the curriculum are designed to prepare students for the AP exams. These courses are designated "AP" in the course description section of this guide. Students enrolled in fourth year modern language course are also required to take the AP exams. Specific prerequisite and course requirements are stated in the individual course descriptions. Students are encouraged to check with colleges of choice to verify AP credit acceptance.

Valedictorian

1. Candidate must have a 4.0 cumulative *unweighted* GPA.
2. Candidate must have been enrolled at QCHS for 3 consecutive semesters.
3. All online courses must be completed by the end of the 7th semester (end of semester 1 of their senior year).
4. The candidate with the highest weighted GPA in *only* the following courses will be named Valedictorian:

English 9 English 10 English 11 English 12 (SM1) Math YR 1 (Algebra 1 or higher) Math YR 2 (Algebra 1 or higher) Math YR 3 (Algebra 1 or higher) Math YR 4 (SM1) (Algebra 1 or higher)	Science YR 1 Science YR 1 Science YR 1 World History US History Economics OR Govt. World Language YR 1 World Language YR 2	Fine Art Elective Physical Education Additional Elective Additional Elective Additional Elective Additional Elective
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+ If a tie occurs, the highest score on the District sponsored college entrance exam will be the deciding factor.

++ If a subsequent tie occurs, AP Exam scores will be used.

+++ No pass/fail courses will be included in the calculation, such as but not limited to: Teacher's Aide or Course Test-Outs.

REGISTRATION & SCHEDULING INFORMATION

School counselors will meet with students to discuss the registration process. Information and assistance will be given to select courses for the upcoming school year. Prior to selecting courses, students and parents should read the introductory section of this guide carefully to become familiarized with the vital school information it contains. Students are urged to select their classes carefully since the master schedule is based upon student requests and there will be limited opportunity to make changes to requested classes. Certain subjects, offered with a limited number of sections, require registration and entry priority to be given in the following order: seniors, juniors, sophomores, and freshmen.

IF YOU HAVEN'T COMPLETED ALL REGISTRATION STEPS, YOU ARE NOT REGISTERED FOR THE NEXT SCHOOL YEAR! STUDENTS WHO FAIL TO COMPLETE THE PROCESS WILL BE PLACED BY THE COUNSELING DEPARTMENT IN REQUIRED COURSES AND IN ELECTIVE COURSES ONLY AS SPACE PERMITS. STUDENTS WHO DO NOT FOLLOW THIS PROCEDURE WILL NOT GAIN EXCEPTION TO THE CRITERIA FOR SCHEDULE CHANGES.

- **There will be no elective* changes after registration is complete.** The numbers signed up for a given elective help us plan for staffing. In the spring, students will have the opportunity to view courses in which they are registered for the next school year. At that time, they will be given a final opportunity to make a change to their elective courses.
- Students will be given two weeks at the start of the school year to make any **core area*** class level changes. No change requests will be taken after the 10th day of school because students will not have enough seat time to qualify for a Carnegie unit.
- Students must get teacher, department head, bookstore, and parent signature to drop a class.
- If a student is moving a level down (from AP or Honors to regular) they will be issued a transfer grade from that AP/Honors class that will follow them into their new class.
- If a schedule change is approved and made from one course to a different course, or from a regular level class into an AP/Honors class, students will be allowed the number of days absent, plus one day to make up the assignments.
- **After the 10th day of school, there will be no core area class or level changes until semester.**

* **“Core Area”** classes refer to classes in the English, Math, Science, and Social Studies areas.

* **“Elective”** classes refer to all Fine Art, Career and Technical Education (CTE), Physical Education, World Language, courses, etc.

Career Path Academies (EHS)

A Career Path Academy is a school within a high school that ties what you’re learning in class to the high demand career that interest you. Career Path Academies bring what you’re learning to life by infusing your core academic studies with career related lessons and hands-on projects and by teaming you up with other students who share the same interests as you. At Eastmark High School, we are using the wall-to-wall career path academy modeling, meaning that every student may or will choose a Career Path Academy of which to take part. These will provide you with interesting, unique, and fun experiences whether you’re headed off to college after high school or if you plan to begin employment right away. When you enroll in a Career Path Academy, you will have the opportunity to earn college credit and even earn industry certification that will make you more employable once you begin your career. Additionally, Career Academies:

- Make the student more competitive for college and careers
- Provide the student with valuable mentoring and internship opportunities with partner businesses
- Connect the student with key employers
- Help the student in choosing a major early

Career Academies are open for enrollment the following year to all students. New students can apply in 8th and 9th grade. Each student can be successful in a Career Academy by:

- Improving academic performance
- Earning college credits during high school (dual enrollment)
- Meeting future employers
- Learning job specific skills

Career Academies prepare students to earn industry certification during high school. Industry recognized credentials such as Microsoft Office Specialist, Premier Pro, Swift, Solidworks, etc. can equate to increased earning potential upon graduation. Many certifications equate to free college credit, if the student pursues training in a related state college programs.

Career Pathway Options at Queen Creek High School and Eastmark High School





Business, Leadership, and International Studies (BLIS)-Do you have a knack for leadership and selling items to others? Then, BLIS is for you! Students will run our Spirit Store on campus as an opportunity to gain real life experience. Students enrolled in Queen Creek High School or Eastmark High School's BLIS Academy will have the option to choose from several career pathways including Marketing, Finance, Army JROTC, and AVID. Students will participate in a rigorous curriculum in each pathway, some of which will be dual enrolled through Chandler-Gilbert Community College. Students will have the opportunity to compete at the local, state, and national level in a two different Career and Technical Student Organizations; DECA, An Association of Marketing Students or Future Business Leaders of America (FBLA).

Fine Arts and Media Entertainment (FAME)-Do you have an interest in the creative arts? Are you artistically gifted? Students enrolled in Queen Creek High School or Eastmark High School's FAME Academy will have the option to choose from several career pathways including Film and Television, Graphic Design, and Digital Photography. Students in the Film and Television class will produce a weekly student generated broadcast. Depending on instructor qualification, students may be able to earn dual enrollment credit through Chandler-Gilbert Community College and be able to compete locally, state and nation-wide in the SkillsUSA Career and Technical Student Organization.

Medical and Social Health (MASH)-The medical field is projected to grow exponentially as the United States continues to age. Are you ready for a challenge? Students enrolled in Queen Creek High School or Eastmark High School's MASH Academy will have the opportunity to be exposed to several career pathways including Biomedical Science with Project Lead The Way, Certified Nursing Assistant, Medical Records Technology, and Sports Medicine. Students will have the opportunity to compete at the local, state, and national level in HOSA or SkillsUSA Career and Technical Student Organization. Students may have the opportunity to enroll in dual enrollment courses.

Science, Technology, Engineering, and Mathematics (STEM)-The career prospects for someone with a STEM degree are greater compared to those in non-STEM fields. Currently, there are many unfilled, high paying jobs in these areas. Students choosing Queen Creek High School or Eastmark High School's STEM Academy will be exposed to several rigorous pathways including Engineering with Project Lead The Way, Computer Science with Project Lead The Way, Application Development with Swift, Computer Maintenance, and Computer Networking. Students will have the opportunity to compete at the local, state, and national level in the SkillsUSA Career and Technical Student Organization. Students may have the opportunity to enroll in dual enrollment courses.

Career Pathway Options

 BLIS	Business, Leadership, International Studies	<u>CTE PROGRAMS</u> <ul style="list-style-type: none"> • Marketing • Carpentry • Culinary Arts • Financial Services 	<u>ELECTIVES</u> <ul style="list-style-type: none"> • AVID • Financial Services • JROTC Leadership and Education Training (LET) • Academic Decathlon • AP European History • AP Human Geography • Honors Ancient Civilizations • International Relations • World Languages: American Sign Language, Mandarin Chinese and Spanish.
 FAME	Fine Arts and Media Entertainment	<u>CTE PROGRAMS</u> <ul style="list-style-type: none"> • Digital Photography • Film and TV • Graphic Design • Stagecraft 	<u>ELECTIVES</u> <ul style="list-style-type: none"> • Film Studies • Band • Ceramics • AP Music Theory • Choir • Guitar • Intro to Art • Intro to Music Theory and Aural Perception • Orchestra • Drawing & Painting • Piano • Theatre Arts • Yearbook/ Journalism
 MASH	Medical and Social Health	<u>CTE PROGRAMS</u> <ul style="list-style-type: none"> • Biomedical Science • Medical Professions: NA • Medical Records Technology • Sports Medicine • Early Childhood Education 	<u>ELECTIVES</u> <ul style="list-style-type: none"> • Psychology and AP Psychology
 STEM	Science, Technology, Engineering, and Math	<u>CTE PROGRAMS</u> <ul style="list-style-type: none"> • App Development • Agriscience • Computer Maintenance • Engineering • Application Development • Bioscience • Computer Science • Engineering Science 	<u>ELECTIVES</u> <ul style="list-style-type: none"> • App Development • Computer Science • Computer Maintenance • Engineering • Application Development

Physical Education: Co Ed PE, Comprehensive Health, Dance, QCHS/ EHS Cheer, QCHS/ EHS Pom, Strength & Conditioning Weight Training, TEAM Performance Weights, Yoyalates. **Partnerships:** EVIT, and Release/ Seminary

Graduation Requirements

Courses:	English	Math	Science	Social Studies	Practical or Fine Art	Modern Language	Physical Education	Electives	Total Credits
Graduation Requirements- Regular Diploma	4	4	3	3	1	0	1	6	22
Graduation Requirements- Scholastic Diploma	4	4	4	3	1	2	1	5	24
In-State University Entrance Requirements	4	4	3	2	1	2	0	0	16

English (4 credits):

This requirement must be met by completing one credit each of English 9, English 10, English 11 and English 12 or options that satisfy the requirement.

Math (4 credits):

This requirement must be met by completing Algebra I, Geometry, Algebra II and one additional class that requires Algebra II as a prerequisite. Higher level courses will also satisfy the graduation requirements.

Science (3 credits):

This requirement can be met by earning 3 credits in any science course. Science courses shall prepare students for the high school AIMS Biology Exam.

Social Studies (3 credits):

This requirement must be met by earning one credit of World History and Geography, one credit of US/Arizona History, one-half ½ credit of US/Arizona Government and one-half ½ credit of Economics.

Physical Education (1 credit):

This requirement can be met by successfully completing one credit in physical education course or two credits of Marching Band.

Art (Fine or Practical) (1 credit):

This requirement can be met by earning one credit in either the Fine or Practical Arts. The Fine Arts include Visual and Performing Arts and the Practical Arts include the Career and Technical Education (CTE) programs.

Electives (6 credits):

This requirement can be met by successfully completing any six credits of elective course offerings. Students may only earn one (1) of their elective credits through a student aide position. All information regarding course and graduation requirements is subject to change pending legislation and state mandate. This course description catalog lists courses available at Queen Creek High and Eastmark High School. Although a course is listed, it will not be offered unless school has sufficient resources and a sufficient number of students register for the course. Course availability and offerings may change throughout the school year. Student schedules are always subject to change due to school-wide changes to master schedules and class leveling.

***Scholastic Diploma requires students to complete the student Career research project with internship/job shadowing.**

Education and Career Action Plan:

Education and Career Action Plan on February 25, 2008, the Arizona State Board of Education approved Education and Career Action Plans (ECAP) for all students grades 9-12 (R7-2-302.05). All students in grades 9-12 will complete 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.

State Mandated Testing:

Following the guidelines provided to us by the Arizona Department of Education, all students are required to take the AZM2 during their Sophomore year in high school, all juniors are required to take the ACT, and additionally, all students enrolled in Biology are required to participate in Arizona's Instrument to Measure Standards (AIMS) Science test. Both AzM2 and AIMS scores are currently not required for graduation, but will be included on student's transcripts. AzM2 will be counted as a grade in the course.

New Civics Test Requirement:

In 2015, the Arizona legislature passed the American Civics Act (House Bill 2064). This bill requires students to pass a civics test based on the United States Immigration and Naturalization civics questions. Students will be required to score 60% or higher in order to graduate from high school or obtain a high school equivalency certificate.

Enrollment Requirements:

Freshmen and sophomore students are required to enroll in a minimum of six courses. In 2020-2021, junior students will also be required to enroll in six (6) classes. In 2021-2022, senior students will be required to enroll in a minimum of five (5) classes. Students are required to take four years of math at the high school.

Queen Creek & Eastmark High School 4 Year Plan

9th	10th	11th	12th	Totals
English	English	English	English	4
Social Studies	PE/Health	Social Studies	Social Studies	(3 Social Studies, 1 Elective)
Math	Math	Math	Math	4
Science	Science	Science	Elective	(3 Science, 1 Elective)
Elective	Elective	Elective	Elective	4
Elective	Elective	Elective	Elective	4
6 Credits	6 Credits	6 Credits	6 Credits	24 (22) (22 Required for graduation/24 for scholastic diploma.)

A minimum of **22** credits must be earned to meet high school graduation requirements.

- 4 Credits of English
- 4 Credits of Math
- 3 Credits of Science
- 1 Credit of World Studies
- 1 Credit of United States/Arizona History
- ½ Credit (1 Semester) of Economics
- ½ Credit (1 Semester) of US/AZ Government
- 1 Credit of Physical Education (Dance, Personal Fitness, Weights, Co-ed PE, NDCC/JROTC Marching Band (4 semesters will satisfy 1 PE credit for graduation)
- 1 Credit of Arts (Fine or CTE)
- 6 additional elective credits
- Successful completion of the New Civics Test Requirement
- **In-State University admission requires 2 years of a World Language and a Fine or Practical (CTE) Art to be planned in elective spaces.**
- Board Policy requires freshmen, sophomores, and juniors to enroll in six courses. Graduating seniors will be required to enroll in a minimum of five credit earning courses.

ARTS PROFICIENCY SEAL: Students have the opportunity to earn an Arts Proficiency seal on their high school diploma. This section summarizes the requirements to earn the seal:

Objectives

The goals of the Arizona State Seal of Arts proficiency are:

- To celebrate students who demonstrate high levels of proficiency in the Arizona Arts Education Standards through personal expression and creative experiences in arts education programs.
- To identify pathways of **artistic literacy** that cultivate skills for the 21st century success.
- To prepare students for college and career readiness, including active participation in the creative industries sector.
- To promote increased access to well-rounded, high quality arts education across the state.

Standards

The Arizona Arts Education Standards are sequentially-based, and include five recognized **Artistic Disciplines: Music, Theater, Dance, Visual Arts, and Media Arts.**

Regardless of artistic medium or discipline, the standards emphasize and are organized around the 4 Artistic Processes:

1. Creating
2. Performing / Presenting / Producing
3. Responding
4. Connecting

Proficiency Seal Requirements

To qualify for the Arizona State Seal of Arts Proficiency, a student will complete:

1. A final GPA of 3.0 or 4.0 in each qualifying Arts / Career and Technical Education (CTE) course.
2. 4 minimum credit requirements in one of the following ways:
 - a. A minimum of 4 credits in one artistic discipline: (Music, Theater, Dance, Visual Arts, or Media Arts)
OR
 - b. 3 credits in one artistic discipline, and 1 credit in a separate artistic discipline or qualifying creative industries CTE class.
OR
 - c. 2 credits in one artistic discipline, and 2 credits in a separate artistic discipline or qualifying creative industries CTE classes.

3. Students will be required to achieve a minimum requirement of 80 hours of arts-related extracurricular activities during their high school career. This requirement will be gradually rolled out as follows:
 - Students graduating in school year 2019-2020** must complete **at least 30 hours** engaged in arts-related extracurricular activities.
 - Students graduating in school year 2020-2021** must complete **at least 45 hours** engaged in arts-related extracurricular activities.
 - Students graduating in school year 2021-2022** must complete **at least 60 hours** engaged in arts-related extracurricular activities.
 - Students graduating in school year 2022-2023** must complete **at least 80 hours** engaged in arts-related extracurricular activities.
4. A student Capstone Project

A capstone project is a project-based learning opportunity for a student to showcase the culmination of their knowledge while fostering real world skills and experience. Capstone projects are often utilized in higher education to prepare students for career success. The State Arts Proficiency Seal capstone process guides students to plan and execute a *student-led artistic project of their choice*. The capstone projects encourages learners to apply their knowledge and mastery of the Arizona Arts Education Standards in a way that interest them and furthers their individual goals. Through the student capstone project, students should demonstrate their **artistic literacy** through their ability to Create, Perform/Present/Produce, Connect, and Respond as an artist.

The capstone project should take place during the student's final year of study to allow the student to infuse their capstone project with the culmination of their artistic learning in a meaningful way. There will be both writing and presentation components that will be graded by a rubric.

Career & Technical Education (CTE)

Each Career and Technical Education program has a specific set of courses designed to help students prepare for post-secondary education and the world of work. All programs are designed to start with an introduction into the career and conclude with a work-based learning experience/Internship (see below). If a student has a career goal in mind or just wants to see what a career might entail, taking a CTE class will help guide them to their future. It is not required that all classes in a program be taken, however the opportunity to really study hands-on in a field of interest is offered.

All CTE courses are associated with a Career and Technical Education Student Organization (CTSO). CTSO's include DECA, FBLA, HOSA, ATS/ITS, and SkillsUSA. Through participation in various CTSO's, students have the opportunity to participate in leadership conferences as well as compete in areas of interest for recognition, rewards, and scholarships.

All courses in this department will meet QCUSD requirements for CTE Credit or Elective Credit. CTE credits will meet all In-State University requirements for CTE or Fine Arts credit. Out-of-State Universities might have different requirements. Please take a few moments to look through the exciting courses CTE has to offer.

Business, Leadership, and International Studies (BLIS)

Carpentry I

Course Code: PA9050

Grade Level: 9, 10, 11, 12

Length of Course: 1 Year

1 Credit

Fee: \$30

Offered at: QCHS

This introductory course enables students to explore Carpentry and Construction technology. Students will utilize skills, materials, methods, and processes that will provide them with career awareness. The student will obtain basic working knowledge of woodworking skills and construction trade skills through hands on experience in a lab setting, with emphasis on safe use of hand tools, portable power tools and stationary power equipment. The student will develop work place skills through career and job exploration, leadership style and techniques, construction economy, organization, oral/written communications and mathematics related to the industry. This course will prepare students for Carpentry II. Participation in the state-approved CTE Career & Technical Student Organization, SkillsUSA, is part of this class. The Arizona Department of Education CTE Carpentry standards are taught in this course and throughout the Carpentry Program.

Carpentry II

Course Code: PA9051

Grade Level: 10, 11, 12

Length of Course: 1 Year

1 Credit

Prerequisite: Carpentry I

Fee: \$35

Offered at: QCHS

This advanced course is designed for students with a greater interest in the construction and carpentry profession. This course will include a safe hands-on, applied study of wood and metal construction, masonry/concrete, framing, exterior finishing, doors and window installation, drywall, cabinet installation, flooring and painting. Students will have a chance to work in a team environment while building many different types of structures. Students will learn a variety of leadership skills, oral/written communications and apply mathematic concepts while performing construction and carpentry projects for the community. Each student will complete OSHA training. This course prepares the student to enter the construction and carpentry industry. Participation in the state-approved CTE Career & Technical Student Organization, SkillsUSA, is part of this class.

Carpentry Enterprise

Course Code: PA9055

Grade Level: 11, 12

Length of Course: 1 Year

1 Credit

Prerequisite: Carpentry I & II (C or better) and teacher approval

Fee: \$30

Offered at: QCHS

Carpentry Enterprise is a work-based learning course designed to give third year carpentry students hands on learning with clients. Students will work with members of industry, on and off campus, perfecting their technical skills. Client work may include, but is not limited to, framing, exterior finishing, plumbing, flooring, electrical installation and framing. Development of skills in leadership, employability, applied mathematics and business communication will be emphasized. Students may be required to provide their own transportation pending the client and job site. Program requires parent permission, along with Training Agreement and Training Plan. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, SkillsUSA.

Carpentry Internship

Course Code: PA9054

Grade Level: 12

Length of Course: 1 Year

1 Credit

Prerequisite: Carpentry I & II) and teacher approval

Fee: \$30

Offered at: QCHS

This course is a year-long course devoted to the application of the technical skills gained through the Carpentry program. Students will participate in a paid or unpaid internship off campus to practice and improve their skills in the Construction and Carpentry Industry. Appropriate internship placement assistance will be provided by the program teacher. All students are required to comply with all industry and placement specific regulations. Each student must provide their own transportation to and from the internship placement site. Parent permission is required, along with a signed Training Agreement and Training Plan. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, SkillsUSA. Students have the opportunity to earn one credit based off of 120 hours of work.

Culinary Arts I

Course Code: PA9060

Grade Level: 9, 10, 11, 12

Length of Course: 1 Year

1 Credit

Prerequisite: Food Handlers card

Fee: \$30

Offered at: QCHS

Dual enrollment credit may be offered for this course. Please see instructor

Culinary Arts I is designed to introduce and prepare students with the academic and industry standard skills needed for Culinary Arts and Food Production in the hospitality industry. Students will explore careers in Culinary Arts as well as examine: food preparation, sanitation, workplace safety, commercial equipment, marketing and much more! Participation in the state-approved CTE Career & Technical Student Organization, FCCLA, is part of this class. The Arizona Department of Education CTE Culinary Arts standards are taught in this course and throughout the Culinary Arts Program.

Culinary Arts II

Course Code: PA9061

Grade Level: 10, 11, 12

Length of Course: 1 Year

1 Credit

Prerequisite: Culinary Arts I

Fee: \$45

Offered at: QCHS

Dual enrollment credit may be offered for this course. Please see instructor

Culinary Arts II is designed to advance and improve technical skills needed for advancement in the Culinary Arts industry e.g., the use of large commercial kitchen equipment, knife skills, front and back of the house operations, advanced pastries, baking, sauces and basic hot and cold food preparation. Participation in the state-approved CTE Career & Technical Student Organization, FCCLA, is part of this class.

Culinary Internship

Course Code: PA9063

Grade Level: 12 **Length of Course:** 1 Year **1 Credit**
Prerequisite: Culinary I, II and teacher approval
Fee: \$30
Offered at: QCHS
Dual enrollment credit may be offered for this course. Please see instructor

This course is a year-long course devoted to the application of the technical skills gained through the Culinary Arts program. Students will participate in a paid or unpaid internship off campus to practice and improve their skills in the Culinary and Hospitality Industry. Appropriate internship placement assistance will be provided by the program teacher. All students are required to comply with all industry and placement specific regulations. Each student must provide their own transportation to and from the internship placement site. Parent permission is required, along with a signed Training Agreement and Training Plan. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, FCCLA. Students have the opportunity to earn one credit based off of 120 hours of internship hours.

Marketing I

Course Code: PA9110

Grade Level: 9, 10, 11, 12 **Length of Course:** 1 Year **1 Credit**
Fee: \$30
Offered at: QCHS/ EHS
Dual enrollment credit may be offered for this course. Please see instructor

Marketing I introduces students to the basic concepts of Marketing: target market, consumer behavior, economics, product development, distribution, pricing, promotion and much more! Through academic integration, students will be able to apply concepts learned in core classes to real-world scenarios they can identify with. Participation in the state-approved CTE Career & Technical Student Organization, DECA, is part of this class. The Arizona Department of Education CTE Professional Sales and Marketing standards are taught in this course and throughout the Marketing Program.

Marketing II

Course Code: PA9111

Grade Level: 10, 11, 12 **Length of Course:** 1 Year **1 Credit**
Prerequisite: Marketing I
Fee: \$30
Offered at: QCHS/ EHS
This course may satisfy ½ credit of high school Economics required for graduation.
Dual enrollment credit may be offered for this course. Please see instructor.

Marketing II is the next step for students wanting to focus on Marketing. Students apply skills learned in Marketing I to real-world scenarios. Largely project-based, students will explore concepts in greater depth by working on projects for real businesses as well as participating in real-world simulations. Participation in the state-approved CTE Career & Technical Student Organization, DECA, is part of this class.

Marketing Lab (Spirit Store)

Course Code: PA9112

Grade Level: 10, 11, 12 **Length of Course:** 1 Year **1 Credit**
Prerequisites: Marketing I & II, application and teacher approval
Fee: \$30
Offered at: QCHS/ EHS

This is the class for any current or past Marketing student to apply skills learned in Marketing to a real-world retail business! Students may work one to two class periods in the Spirit Store as a part of their regular school schedule. Duties include: product mix management, merchandise display, promotion, inventory control, managing a store budget, and other functions associated with running a business. This store is a classroom, meant to allow students to practice work-based learning in a controlled setting. Participation in the state-approved CTE Career & Technical Student Organization, DECA, is part of this class.

Marketing Internship

Course Code: PA9114

Grade Level: 12 **Length of Course:** 1 Year **1 Credit**
Prerequisite: Marketing I, II and teacher approval
Fee: \$30
Offered at: QCHS/ EHS

This course is a year-long course devoted to the application of the technical skills gained through the Marketing program. Students will participate in a paid or unpaid internship off campus to practice and improve their skills in the Professional Sales and Marketing Industry. Appropriate internship placement assistance will be provided by the program teacher. All students are required to comply with all industry and placement specific regulations. Students must work a minimum of 120 hours total. Each student must provide their own transportation to and from the internship placement site. Parent permission is required, along with a signed Training Agreement and Training Plan. Participation in the state-approved CTE Career & Technical Student Organization, DECA, is part of this class.

Financial Services I**Course Code: PA9230****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

Fee: \$30**Offered at:** EHS

Financial Services introduces students to basic financial planning concepts and illustrates how these concepts relate to everyday life. Topics covered include investments, stocks, mutual funds, real estate, and other financial investments while integrating technology. Students enrolling in the course are strongly encouraged to join FBLA (Future Business Leaders of America). Opportunities through FBLA include leadership development, field trips, travel and competition. The Arizona Department of Education CTE Financial Services standards are taught in this course and throughout the Financial Services Program.

Financial Services II**Course Code: PA9231****Grade Level:** 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Financial Services I**Fee:** \$30**Offered at:** EHS

Students will further explore the financial services field and learn how to create and use a budget, borrow and invest wisely, buy large purchase items (automobile, home, and etc.), make appropriate insurance choices (auto, health, life, and housing), learn about taxes and credit rating scores, and how to create a retirement plan. Students will also focus on business math and its application to the real world. Students will learn the fundamentals of starting and/or managing a business. Students enrolling in the course are strongly encouraged to join FBLA (Future Business Leaders of America). Opportunities through FBLA include leadership development, field trips, travel and competition.

Financial Services Internship**Course Code: PA9233****Grade Level:** 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Financial Services II**Fee:** \$30**Offered at:** EHS

This course is a year-long course devoted to the application of the technical skills gained through the Financial Services program. Students will participate in a paid or unpaid internship off campus to practice and improve their skills in the Banking and Finance Industry. Appropriate internship placement assistance will be provided by the program teacher. All students are required to comply with all industry and placement specific regulations. Students must work a minimum of 120 hours per semester, 240 hours total. Each student must provide their own transportation to and from the internship placement site. Parent permission is required, along with a signed Training Agreement and Training Plan. Participation in the state-approved CTE Career & Technical Student Organization, FBLA, is part of this class.

Fine Arts and Media Entertainment (FAME)

Film & TV I**Course Code: PA9010****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

Fee: \$30**Offered at:** QCHS/ EHS

This course is an introduction to the operations and techniques of video production and electronic news and sports journalism. Emphasis is placed on video, audio, lighting, studio and field production. Course work will include hands-on operations of a television studio, editing facilities, digital video production, and live streaming of events. Students produce videos that will be featured on the High School TV channel. Students will be required to write scripts, storyboards, work in a team environment, and work in a professional and mature manner. Students will also learn on-camera reporting and sports-casting skills. Students will also be taught the basics producing videos for social media and the effects on the broadcast industry. Time outside the classroom may be required to achieve the standards. Participation in the state-approved CTE Career & Technical Student Organization, SkillsUSA, is a part of this curriculum. The Arizona Department of Education CTE Film & TV standards are taught in this course and throughout the Film & TV Program.

Film & TV II**Course Code: PA9011****Grade Level:** 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisites: Film & TV I (C or better)**Fee:** \$30**Offered at:** QCHS/ EHS

This is an intermediate course that expands on the operations and techniques of video production and electronic news and sports journalism. Students will enhance their skills by producing, recording and editing shows for Bulldog Vision Television (BVTV), the Queen Creek High School TV channel. This course includes the advance techniques of live streaming events, on-camera reporting and sports-casting. Students will engage in directing and producing "industry-standard" projects using a variety of video applications. Students are expected to devote the time outside of class to achieve this standard. Participation in the state-approved CTE Career & Technical Student Organization, SkillsUSA, is a part of this curriculum.

Film & TV III**Course Code: PA9012****Grade Level:** 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisites: Film & TV I & II (C or better) and teacher approval**Fee:** \$30**Offered at:** QCHS/ EHS

Students will produce, record, edit news and sports stories, corporate, education, and non-broadcast videos that do not take place in a standard television studio. Students will work with a team in planning, recording and publishing videos for clients. Participation in the state-approved CTE Career & Technical Student Organization, SkillsUSA, is a part of this curriculum.

Film & TV Internship**Course Code: PA9015****Grade Level:** 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Film & TV I & II, and teacher approval**Fee:** \$30**Offered at:** QCHS/ EHS*This course may be taken concurrently with Film & TV III.*

This course is a year-long course devoted to the application of the Film & TV technical skills gained through the Film & TV program. Students will participate in a paid or unpaid internship off campus to practice and improve their skills in the Film & TV Industry. Appropriate internship placement assistance will be provided by the program teacher. All students are required to comply with all industry and placement specific regulations. Students must work a minimum of 120 hours for one credit. Each student must provide his or her own transportation to and from the internship placement site. Parent permission is required, along with a signed Training Agreement and Training Plan. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, SkillsUSA.

Graphic Design I**Course Code: PA9080****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

Fee: \$20**Offered at:** QCHS/ EHS

Students will industry-recognized software to demonstrate layout, set page design, and develop a commercial art portfolio. Students will be producing work extensively with businesses, community groups, and on-campus organizations. Students will have the opportunity to work with community clients as far as designing logos, flyers, brochures, school student planners and have guest speakers from the industry. This course will prepare students for Graphic Design II. If you have a little bit of creativity that's all you need, we will take care of the rest. Participation in the state-approved CTE Career & Technical Student Organization, SkillsUSA, is a part of this class. The Arizona Department of Education CTE Graphic/Web Design standards are taught in this course and throughout the Graphic/Web Design Program.

Graphic Design II**Course Code: PA9081****Grade Level:** 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisites: Graphic Design I**Fee:** \$20**Offered at:** QCHS/ EHS

Emphasis will be placed on enhancement and completion of a portfolio, both electronic and standard type. Students will demonstrate commercial imaging skills including small product commercial illustrations through advanced instruction in industry-recognized software. They will learn to use a scanner and photo imaging equipment and printers. Students will apply basic artistic and technical skills to layouts, design and typographic arrangement of printed and/or electronic graphic and textual products. Students will be producing work extensively with businesses, community groups, and on-campus organizations. Students will have the opportunity to visit design firms and work with community businesses thus allowing the students to have a one-on-one opportunity with professional clients. Participation in the state-approved CTE Career & Technical Student Organization, SkillsUSA, is a part of this class.

Graphic Design III**Course Code: PA9082****Grade Level:** 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisites: Graphic Design I & II**Fee:** \$20**Offered at:** QCHS/ EHS

Graphic Design III will focus on advanced training in the advertising art, graphic design, and media communication fields. Students utilize industry standard equipment and software to complete client work. Production design includes logos, letterheads, advertisements, packaging, product illustrations, and portfolio development. Emphasis is on applying client marketing objectives to create designs which communicate to specific target audiences. Students will also have the opportunity to work on independent assignments. By the end of the year, students will have a professional design portfolio of their professional work from the graphic design program. Participation in the state-approved CTE Career & Technical Student Organization, SkillsUSA, is a part of this class.

Graphic Design Internship

Course Code: PA9084

Grade Level: 12

Length of Course: 1 Year

1 Credit

Prerequisites: Graphic Design I, II, and teacher approval

Fee: \$30

Offered at: QCHS/ EHS

This course may be taken concurrently with Graphic Design III.

This course is a year-long course devoted to the application of the technical skills gained through the Graphic Design program. Students will participate in a paid or unpaid internship off campus to practice and improve their skills in the Digital Design Industry. Appropriate internship placement assistance will be provided by the program teacher. All students are required to comply with all industry and placement specific regulations. Students must work a minimum of 120 hours per semester, 240 hours total. Each student must provide their own transportation to and from the internship placement site. Parent permission is required, along with a signed Training Agreement and Training Plan. Participation in the state-approved CTE Career & Technical Student Organization, SkillsUSA, is a part of this class.

Digital Photography I

Course Code: PA9190

Grade Level: 9, 10, 11, 12

Length of Course: 1 Year

1 Credit

Fee: \$30

Offered at: QCHS/ EHS

This course addresses technical and conceptual concepts in relation to historic and contemporary photography. Students experiment with a variety of lighting techniques, parts and use of a digital SLR camera, digital solutions, and conceptual approaches in order to create visually compelling photographs. Students learn how to transfer skills into a career in professional photography. Students will develop an electronic and traditional portfolio. A digital SLR is highly recommended. No prior photography skills are required for this course. Membership in the state-approved CTE Career & Technical Student Organization, FBLA or SkillsUSA, is part of this class and competition associated with curriculum is highly encouraged. The Arizona Department of Education CTE Digital Photography standards are taught in this course and throughout the Digital Photography Program.

Digital Photography II

Course Code: PA9191

Grade Level: 10, 11, 12

Length of Course: 1 Year

1 Credit

Prerequisite: Digital Photography I

Fee: \$30

Offered at: QCHS/ EHS

This one-year course builds on the skills learned in Digital Photography I with an emphasis on production for the needs of clients, publication, or competition. Special attention will be given to the profession of the photographer as artist and commercial artist. Students will be expected to develop technical expertise to enhance their digital imaging skills. Explorations in the process, production, and the role of digital imaging will provide the students with the 21st century skills necessary for personal development and the work setting. Areas of concentration include portrait photography, photo documentation and journalism, color photography, and the photo essay. Students will design a photo project and will be expected to exhibit their work. Membership in the state-approved CTE Career & Technical Student Organization, FBLA or SkillsUSA, is part of this class and competition associated with curriculum is highly encouraged.

Digital Photography III

Course Code: PA9192

Grade Level: 10, 11, 12

Length of Course: 1 Year

1 Credit

Prerequisite: Digital Photography II

Fee: \$30

Offered at: QCHS/ EHS

This is a one-year course for students who are interested in pursuing photo and graphic communications professionally. Each student will be expected to apply the skills learned in Digital Photography I and II during a service-learning project in which they provide a photographic service to an organization or business. In addition to developing their own personal projects, students will refine professional skills required by the professional graphics industry. Digital Photography students will be expected to mentor both Digital Photography I and II students. Membership in the state-approved CTE Career & Technical Student Organization, FBLA or SkillsUSA, is part of this class and competition associated with curriculum is highly encouraged.

Digital Photography Internship

Course Code: PA9193

Grade Level: 12

Length of Course: 1 Year

1 Credit

Prerequisite: Digital Photography I, II and teacher approval

Fee: \$30

Offered at: QCHS/ EHS

This course is a year-long course devoted to the application of the technical skills gained through the Digital Photography program. Students will participate in a paid or unpaid internship off campus to practice and improve their skills in the field and build a professional portfolio. Each student is required to have their own DSLR and laptop. Participation in the state-approved CTE Career & Technical Student Organization, FBLA or SkillsUSA, is a part of this class. Students are required 120 internship hours for one (1) credit.

Stagecraft I**Course Code: FA183****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

Fee: \$30**Offered at:** QCHS

This course will introduce students to all area of the backstage theatre production. Students will be exposed to practical theatrical techniques that include lighting, sound, set, and costume design. Students will work closely with the Queen Creek Performing Arts Center Technical Theatre Department. This course is a prerequisite for Theatre II. The Arizona Department of Education CTE Technical Theatre standards are taught in this course and throughout the Technical Theatre Program. Participation in the state-approved CTE Career & Technical Student Organization, ITS, is a part of this curriculum.

Stagecraft II**Course Code: FA185****Grade Level:** 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Stagecraft I**Fee:** \$30**Offered at:** QCHS

This course will expand on techniques learned in the previous course. Students will design sets, produce sets and execute an entire performance. Students will be introduced to rigging and plan all visual aspects of a performance. Students will be required to devote time outside of the traditional school day to school performances. Students will work closely with the Queen Creek Performing Arts Center Technical Theatre Department working with rigging lights, sound boards and producing a show. Participation in the state-approved CTE Career & Technical Student Organization, ITS, is a part of this curriculum. This course is a prerequisite for Technical Theatre Internship.

Stagecraft Internship**Course Code: FA184****Grade Level:** 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Stagecraft I & II**Fee:** \$30**Offered at:** QCHS

This course is a year-long course devoted to the application of the technical skills gained through the Technical Theatre program. Students will participate in a paid or unpaid internship off campus to practice and improve their skills in the Performance and Entertainment Industry. Appropriate internship placement assistance will be provided by the program teacher. All students are required to comply with all industry and placement specific regulations. Each student must provide his or her own transportation to and from the internship placement site. Parent permission is required, along with a signed Training Agreement and Training Plan. Students have the opportunity to earn one (1) credit through 120 internship hours.

Medical and Social Health (MASH)

Early Childhood Education I**Course Code: PA9030****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

Fee: \$10**Offered at:** QCHS

May be offered for Dual enrollment credit

The first semester will develop students' understanding of human growth and development. It is an in depth study of parenting, pregnancy, newborns, infants and children during the first three years of life. Positive parenting skills are stressed. Students will study the importance of healthy families in today's society. Students' will also be creating and designing a daycare center for children birth to 3 years of age. The second semester will provide students a study of children's growth and development from three to five years of age. Emphasis is on the development of the young child including physical, social, intellectual, and emotional development. Students will participate in preschool observation, writing lesson plans, teaching at the TOYBOX preschool and hands-on activities. This course is designed for students who are interested in a career with children and is a prerequisite for the TOYBOX Preschool program Membership in the state-approved CTE Career & Technical Student Organization, FCCLA, is part of this class. The Arizona Department of Education CTE Early Childhood Education standards are taught in this course and throughout the Early Childhood Education Program.

Early Childhood Education II**Course Code: PA9031****Grade Level:** 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Early Childhood Education I and a clear TB test**Fee:** \$30**Offered at:** QCHS

May be offered for Dual enrollment credit

This one credit course consists of one hour in the classroom and on-the-job training in the high school TOYBOX Preschool lab. Students will be creating lessons for teaching, supervising, and using positive methods of discipline. They will also study preschool operations, as well as those of other child care centers. Students will also learn about school-age children in this class. Students will receive CPR and First Aid certification in this class. A clear TB test is required for this class. This experience will provide students with opportunities to explore a variety of careers in Early Childhood Education. Membership in the state-approved CTE Career & Technical Student Organization, FCCLA, is part of this class.

TOYBOX Preschool Lab**Course Code: PA9032****Grade Level: 11, 12****Length of Course: 1 Year****1 Credit****Prerequisite:** Early Childhood Education I & II, a clear TB test and teacher approval**Fee:** \$20**Offered at:** QCHS

This course consists of one hour in the high school TOYBOX pre-school lab. Students will be creating lessons, teaching, supervising and using positive methods of discipline. They will be given responsibilities that must be completed each day. This experience will provide students with opportunities to explore the possibilities of careers in Early Childhood Education. This course can be taken concurrently with Early Childhood Education II. Participation in the state-approved CTE Career & Technical Student Organization, Family Career and Community Leaders of America (FCCLA), is part of this curriculum. Teacher approval is required through an application process.

Early Childhood Education Internship**Course Code: PA9034****Grade Level: 12****Length of Course: 1 Year****1 Credit****Prerequisite:** Early Childhood Education I & II, and teacher approval**Fee:** \$30**Offered at:** QCHS

This year-long course is devoted to the application of the technical skills gained through the Early Childhood Education program. Students will participate in a paid or unpaid internship off campus to practice and improve their skills in the field of Early Childhood Education. Appropriate internship placement assistance will be provided by the program teacher. All students are required to comply with all industry and placement specific regulations. Each student must provide their own transportation to and from the internship placement site. Parent permission is required, along with a signed Training Agreement and Training Plan. Membership in the state-approved CTE Career & Technical Student Organization, FCCLA, is part of this class. Students have the opportunity to earn one credit based off of 120 internship hours.

Project Lead the Way Biomedical I: Principles of Biomedical Science**Course Code: PA9170W****Grade Level: 9, 10, 11, 12****Length of Course: 1 Year****1 Credit - Weighted****Prerequisites:** Required: None**Fee:** \$30**Offered at:** QCHS/ EHS

In the introductory course of the Project Lead the Way (PLTW) Biomedical Science program, students explore concepts of biology and medicine to determine the factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. Students will participate in the state-approved CTE Career & Technical Student Organization Health Occupations Students of America (HOSA). The Arizona Department of Education CTE Bioscience standards are also taught throughout the Project Lead The Way Biomedical Program.

Project Lead the Way Biomedical II: Human Body Systems**Course Code: PA9171W****Grade Level: 10, 11****Length of Course: 1 Year****1 Credit - Weighted****Prerequisites:** Biomedical Principles I (C or higher)**Fee:** \$30**Offered at:** QCHS/ EHS

This course is designed as a continuation of **Project Lead the Way Biomedical I: Principles of Biomedical Science**. Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. Students will participate in the state-approved CTE Career & Technical Student Organization Health Occupations Students of America (HOSA). The Arizona Department of Education CTE Bioscience standards are also taught throughout the Project Lead The Way Biomedical Program.

Bioscience Internship**Course Code: SC309****Grade Level: 12****Length of Course: 1 Year****1 Credit****Prerequisites:** PLTW Biomedical I & II and teacher approval**Fee:** \$30**Offered at:** QCHS/ EHS

This course is a year-long course devoted to the application of the technical skills gained through the Project Lead The Way Biomedical program. Students will participate in a paid or unpaid internship off campus to practice and improve their skills in the Biotechnology Industry. Appropriate internship placement assistance will be provided by the program teacher. All students are required to comply with all industry and placement specific regulations. Students must work a minimum of 120 hours for one credit. Each student must provide their own transportation to and from the internship placement site. Parent permission is required, along with a signed Training Agreement and Training Plan. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, HOSA.

Medical Professions I**Course Code: PA9150**

Grade Level: 11, 12	Length of Course: 1 Year	1 Credit
Fee: \$30		
Offered at: QCHS/ EHS		

This course is designed to prepare students for employment in the health care industry, specifically Nursing Services, while developing valuable technical skills. Students are introduced to assistant health care competencies through anatomy, physiology, medical terminology, legal and ethical responsibilities, safety and industry-specific leadership development. In addition, students will learn advanced employability skills including critical thinking skills, applied academic skills and life management skills. Students will participate in the state-approved CTE Career & Technical Student Organization, Health Occupations Students of America (HOSA). Arizona State Nursing Board curriculum and Arizona Department of Education Nursing Services standards are taught in this course and throughout the Medical Professions program. Students must meet the attendance and grading requirements to remain in the program.

Medical Professions II**Course Code: PA9151**

Grade Level: 11, 12	Length of Course: 1 Year	1 Credit
Prerequisite: Medical Professions I, English & Math Accuplacer (place into 100 level or higher) and teacher approval		
Fee: \$40		
Offered at: QCHS/ EHS		
May be offered for Dual enrollment credit		

This course prepares students for employment in the healthcare industry as Nursing Assistants. Students will apply academic and technical allied health knowledge and skills in a clinical setting. Weekly clinical hours may extend beyond the regular school day. Students who complete this program will have the technical knowledge and skills to become certified as a Nursing Assistant, the competencies to be accepted in a postsecondary health care program, and the skills to seek employment in new and emerging occupations. Students must complete a TB test, obtain a fingerprint card and pass an industry-required drug test. Students will participate in the state-approved CTE Career & Technical Student Organization, Health Occupations Students of America (HOSA). Arizona State Nursing Board curriculum and Arizona Department of Education Nursing Services standards are taught in this course and throughout the Medical Professions program.

Medical Professions Internship**Course Code: PA9153**

Grade Level: 12	Length of Course: 1 Year	1 Credit
Prerequisite: Medical Professions I, II, and teacher approval		
Fee: \$30		
Offered at: QCHS/ EHS		

This course is a year-long course devoted to the application of the technical skills gained through the Medical Professions program. Students will participate in a paid or unpaid internship off campus to practice and improve their skills in the industry. Appropriate internship placement assistance will be provided by the program teacher. All students are required to comply with all industry and placement specific regulations. Students must work a minimum of 120 hours for one credit. Each student must provide their own transportation to and from the internship placement site. Parent permission is required, along with a signed Training Agreement and Training Plan. Participation in the state-approved CTE Career & Technical Student Organization, HOSA, is offered to students.

Medical Record Technologies I**Course Code: PA9240**

Grade Level: 9, 10, 11, 12	Length of Course: 1 Year	1 Credit
Fee: \$30		
Offered at: EHS		

This course introduces students to common technologies used in the workplace. students to practice creating, updating, storing and accessing medical records like patient charts, appointment schedules and test results Students will distinguish among various healthcare delivery systems, utilize medical terminology, apply payer guidelines and explain HIPAA. Students practice processing Medicare, Medicaid and workers' compensation claims for outpatient and inpatient treatment. Participation in the state-approved CTE Career & Technical Student Organization, HOSA, is part of this class. The Arizona Department of Education CTE Medical Record Technologies standards are taught in this course and throughout the Marketing Program.

Medical Record Technologies II**Course Code: PA9241**

Grade Level: 10, 11, 12	Length of Course: 1 Year	1 Credit
Prerequisite: Medical Record Technologies I		
Fee: \$30		
Offered at: EHS		

It is imperative that medical records professionals understand the anatomical, physiological and pathological terms used in patient files and related records. Students will use codes and classifications for medical procedures and medical diagnoses and guidelines for use in medical records. Students also learn HIPAA (Health Insurance Portability and Accountability Act) guidelines and how they relate to the preparation of medical records. Participation in the state-approved CTE Career & Technical Student Organization, HOSA, is part of this class.

Medical Record Internship

Course Code: PA9243

Grade Level: 12	Length of Course: 1 Year	1 Credit
Prerequisite: Medical Record Technologies II		
Fee: \$30		
Offered at: EHS		

This course is a year-long course devoted to the application of the technical skills gained through the Medical Record Technologies program. Students will participate in a paid or unpaid internship off campus to practice and improve their skills in the medical record industry. Appropriate internship placement assistance will be provided by the program teacher. All students are required to comply with all industry and placement specific regulations. Students must work a minimum of 120 hours for one credit. Each student must provide their own transportation to and from the internship placement site. Parent permission is required, along with a signed Training Agreement and Training Plan. Participation in the state-approved CTE Career & Technical Student Organization, HOSA, is part of this class.

Sports Medicine I

Course Code: PA9090

Grade Level: 9, 10, 11, 12	Length of Course: 1 Year	1 Credit
Prerequisite: Interest in exploring a career in the Health Care Industry		
Fee: \$30		
Offered at: QCHS/ EHS		
May be offered for dual enrollment credit		

Sports Medicine is designed for students interested in fields such as athletic training, physical therapy, medicine, fitness, physiology of exercise, kinesiology, nutrition, and other sports medicine related fields. They will also develop skills related to the communication, problem solving, legal, and ethical aspects of health care. In addition, students will study the basic principles of human biology, health and wellness, first aid, and CPR. Through hands on activities, the students will be able to experience simulated "on the job training" for specific medical - related skills such as: taking vital signs, performing basic medical assessments, and providing basic first aid treatments. Students will participate in the state-approved CTE Career & Technical Student Organization, Health Occupations Students of America (HOSA). The Arizona Department of Education CTE Sports Medicine and Rehabilitation Services standards are taught in this course and throughout the Sports Medicine Program.

Sports Medicine II

Course Code: PA9091

Grade Level: 10, 11, 12	Length of Course: 1 Year	1 Credit
Prerequisite: Sports Medicine I (C or better), Anatomy strongly suggested		
Fee: \$30		
Offered at: QCHS/ EHS		
<i>Dual Enrollment credit may be offered for this course. Please see instructor</i>		

Sports Medicine II is a class designed for students with a strong interest in pursuing a health care-related career, especially those in the Sports Medicine related field. The students will expand on and apply the knowledge gained in the Health Occupations/Sports Medicine I class to job specific skills. The curriculum will focus on athletic psychology, anatomy & physiology, nutrition and athletic-related injury treatment & rehabilitation. Students will participate in the state-approved CTE Career & Technical Student Organization, Health Occupations Students of America (HOSA). Students interested in an internship opportunity through the Athletic Training program are highly encouraged to take Sports Medicine II prior or in conjunction with the Athletic Training/Sports Medicine class.

Sports Medicine III: Athletic Training

Course Code: PA9130

Grade Level: 11, 12	Length of Course: 1 Year	1 Credit
Prerequisite: Sports Medicine I & II		
Fee: \$30		
Offered at: QCHS/ EHS		

This course is designed to allow students to gain knowledge and exposure in the area of athletic training through lecture, lab, and hands on activities. This class is designed to provide learning through volunteer times and to give hands on opportunities when taken advantage by the student. Knowledge in athletic training deals with anatomy/physiology, signs and symptoms of athletic injuries and basic emergency care/first responder care of basic injuries. Other topics include rehabilitation of injuries and some surgical information, medical terminology, different population's needs, skin conditions, and some illnesses. Students in this course will have designated lab time to learn and practice various bracing methods (i.e. taping, wrapping and proper fitting of braces and immobilizers). Students will be exposed to the athletic training profession, through volunteering with many different sports and rehabilitation opportunities. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, Health Occupations Students of America (HOSA).

Health Occupations Internship

Course Code: PA9093

Grade Level: 12	Length of Course: 1 Year	1 Credit
Prerequisite: Sports Medicine I & II, application, and teacher approval OR Medical Professions I & II, application and teacher approval		
Fee: \$30		
Offered at: QCHS/ EHS		
<i>This course may be repeated for credit but not for grade change.</i>		

The Health Occupations internship is an unpaid, yearlong course designed to give students a chance to experience a variety of healthcare work settings. Students will complete weekly rotations at each healthcare site and will be required to complete a minimum of 120 hours. Participation is expected to average between 2 and 3 days a week. When the student is not at an off-campus site, he or she will be required to attend class and complete given assignments related to each site. The student must provide their own transportation to and from each site. Parent permission is required along with a signed Training Agreement and Training Plan. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, Health Occupations Students of America (HOSA).

Science, Technology, Engineering, Mathematics (STEM)

Agriscience I: Applied Biological Systems

Course Code: PA9001

Grade Level: 9, 10, 11, 12

Length of Course: 1 Year

1 Credit

Prerequisite: None

Fee: \$30

Offered at: QCHS

ABS introduces students to a hands-on laboratory environment designed for those who are interested in agricultural science, plant science, agricultural careers and Animal science. Students will learn the principles of animal growth and production, principles of nutrition and animal health needs. Membership in the state-approved CTE Career & Technical Student Organization, FFA, is included as part of this class as well as a supervised agricultural experience.

Agriscience II: Plant Science

Course Code: PA9002

Grade Level: 10, 11, 12

Length of Course: 1 Year

1 Credit

Prerequisite: Agriscience I

Fee: \$30

Offered at: QCHS

The course will address the study of Plant Science in the area of plant nutrition, plant growth, and development, soils, propagation, diseases, biotechnology, agricultural production, and greenhouse operation. All students enrolled in an Agricultural class will be concurrently enrolled in the National FFA Organization, and will have opportunities for additional leadership and agricultural internship both the through the state-approved CTE Career and Technical Student Organization, FFA, as well as a supervised agricultural experience. (SAE)

Agriscience III: Animal Science

Course Code: PA9003

Grade Level: 11, 12

Length of Course: 1 Year

1 Credit

Prerequisite: Agriscience I & II

Fee: \$30

Offered at: QCHS

This course will prepare students for careers in Animal Science in the areas of livestock selection, animal nutrition, animal health & care, genetics, facilities management, and animal/human relations. All students enrolled in an Agricultural class will be concurrently enrolled in the National FFA Organization, and will have opportunities for additional leadership and agricultural internship both through the state-approved CTE Career & Technical Student Organization, FFA, as well as a supervised agricultural experience (SAE).

Agriscience IV: Business Management

Course Code: PA9006

Grade Level: 12

Length of Course: 1 Year

1 Credit

Prerequisite: Successful Completion of three Agriscience courses & application approval

Fee: \$30

Offered at: QCHS

Students will learn the basics of agricultural business management. Topics include entrepreneurship, profit-maximizing principles, salesmanship, and leadership in the workplace. A project will be required of all students. Students will be required to maintain an SAE. Students will participate in FFA where they will develop skills for leadership and career success.

Agriscience Internship

Course Code: PA9005

Grade Level: 12

Length of Course: 1 Year

1 Credit

Prerequisite: Successful completion of three Agriscience classes and teacher approval

Fee: \$30

Offered at: QCHS

This course is a year-long course devoted to the application of the technical skills gained through the Agriculture program. Students will participate in a paid or unpaid internship on or off campus to practice and improve their skills in the agriculture industry, including greenhouse operations. Appropriate internship placement assistance will be provided by the program teacher. All students are required to comply with all industry and placement specific regulations. If the internship site is off campus, each student must provide their own transportation to and from the internship placement site. Parent permission is required, along with a signed Training Agreement and Training Plan. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, FFA. Students have the opportunity to earn one credit based on 120 internship hours.

Engineering I: Introduction to Engineering Design-PLTW**Course Code: PA9200W****Grade Level:** 9, 10, 11**Length of Course:** 1 Year**1 Credit-Weighted****Prerequisite:** Algebra I (B or higher)**Fee:** \$25**Offered at:** QCHS/ EHS

In this Project Lead The Way course students will dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. Students will work both individually and in teams to design solutions to a variety of problems using 3-D modeling software, and use an engineering notebook to document their work. Students will be able to participate in the state-approved CTE Career & Technical student organization, SkillsUSA Mobile Robotics as part of the curriculum and class. Students have the opportunity to participate in the VEX Robotics Competition (VRC) as an application of what they learn in class. Students are encouraged to join the Robotics Club. The Arizona Department of Education CTE Engineering Sciences standards are taught in this course and throughout the Engineering Program.

Engineering II: Principles of Engineering-PLTW**Course Code: PA9201W****Grade Level:** 10, 11, 12**Length of Course:** 1 Year**1 Credit-Weighted****Prerequisite:** Engineering I (C or better)**Fee:** \$30**Offered at:** QCHS/ EHS

This course may satisfy 1 credit of high school Lab Science required for graduation. Please see your counselor

In this Project Lead The Way course students, through problems that engage and challenge, students will explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students will develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Students will be able to participate in the state-approved CTE Career & Technical student organization, SkillsUSA Mobile Robotics as part of the curriculum and class. Students have the opportunity to participate in the VEX Robotics Competition (VRC) as an application of what they learn in class. Students are encouraged to join the Robotics Club. The Arizona Department of Education CTE Engineering Sciences standards are taught in this course and throughout the Engineering Program.

Engineering & Robotics III**Course Code: PA9142W****Grade Level:** 10, 11, 12**Length of Course:** 1 Year**1 Credit-Weighted****Prerequisite:** Engineering & Robotics I & II (C or better)**Fee:** \$30**Offered at:** QCHS/ EHS

This course is the culmination of the Engineering & Robotics Program. Students will be exposed to new forms of robotics, pneumatics, Raspberry Pi, App construction and special projects. The special projects are to be determined but may include solar car, a replica of a human arm with 5 degrees of freedom, 3D drafting. Students may be eligible for Certificates in Engineering and Robotics upon satisfactory completion of this course. Students will be able to participate in the state-approved CTE Career & Technical student organization, SkillsUSA Mobile Robotics as part of the curriculum and class. In addition, students will be able to participate in the world renown program VEX Robotics Competition (VRC) and First Robotics Competition (FRC).

Engineering Internship**Course Code: PA9143****Grade Level:** 12**Length of Course:** 1 Year**1 Credit****Prerequisite:** Engineering & Robotics I, II & III and teacher approval**Fee:** \$30**Offered at:** QCHS/EHS

This course is a year-long course devoted to the application of the technical skills gained through the Engineering Sciences program. Students will participate in a paid or unpaid internship off campus to practice and improve their skills in the Engineering Industry. Appropriate internship placement assistance will be provided by the program teacher. All students are required to comply with all industry and placement specific regulations. Each student must provide his or her own transportation to and from the internship placement site. Parent permission is required, along with a signed Training Agreement and Training Plan. Students have the opportunity to earn 1 credit for 120 internship hours.

Computer Science I: Computer Science Essentials**Course Code: PA9180W****Grade Level:** 9, 10, 11**Length of Course:** 1 Year**1 Credit-Weighted****Fee:** \$30**Offered at:** QCHS/EHS

Project Lead The Way Computer Science Essentials will expose students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. Students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice. Students will apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, SkillsUSA.

Computer Science II: AP Computer Science Principles**Course Code: PA9181W****Grade Level:** 10, 11, 12**Length of Course:** 1 Year**1 Credit-Weighted****Prerequisite:** Computer Science I**Fee:** \$30**Offered at:** QCHS/ EHS

Project Lead The Way Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, SkillsUSA.

Computer Science III: AP Computer Science A**Course Code: PA9182W****Grade Level:** 11, 12**Length of Course:** 1 Year**1 Credit-Weighted****Prerequisite:** Computer Science I & II**Fee:** \$30**Offered at:** QCHS/ EHS

Project Lead The Way Computer Science A focuses 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 collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, SkillsUSA.

Computer Science IV: Cybersecurity**Course Code: PA9183W****Grade Level:** 12**Length of Course:** 1 Year (2021-2022)**1 Credit-Weighted****Prerequisite:** Computer Science I, II, & III**Fee:** \$30**Offered at:** QCHS/ EHS

Project Lead The Way Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, SkillsUSA.

Computer Science Internship**Course Code: PA9184****Grade Level:** 12**Length of Course:** 1 Year**1 Credit****Prerequisite:** Computer Science I,II, III**Fee:** \$30**Offered at:** QCHS/ EHS

This course is a year-long course devoted to the application of the technical skills gained through the Computer Science program. Students will participate in a paid or unpaid internship off campus to practice and improve their skills in the Technology Industry. Appropriate internship placement assistance will be provided by the program teacher. All students are required to comply with all industry and placement specific regulations. Students must work a minimum of 120 hours total. Each student must provide their own transportation to and from the internship placement site. Parent permission is required, along with a signed Training Agreement and Training Plan. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, SkillsUSA.

Apple Coding I: Introduction to App Development**Course Code: PA9160****Grade Level:** 9, 10, 11**Length of Course:** 1 Year**1 Credit****Prerequisite:** None**Fee:** \$30**Offered at:** QCHS/ EHS

May be offered for dual enrollment credit

The Intro to App Development with Swift introduces students to the world of app development and the basics of Swift and Xcode. Students will be introduced to the foundational concepts of computer science, while utilizing Swift coding language, to focus on creative problem solving and real-world applications. Students will build mini-projects throughout the course. By the end of the course, students should be able to build a fully functioning app of their own design.

Apple Coding II: Innovative App Development**Course Code: PA9161****Grade Level:** 10, 11, 12**Length of Course:** 1 Year**1 Credit****Prerequisite:** Apple Coding I**Fee:** \$30**Offered at:** QCHS/ EHS

May be offered for dual enrollment credit

In this project-based learning course, students will refine their technical skills in app development. They will work in partnership with local and state industry leaders to develop apps to provide real world solutions for our state and local community. Students will have the opportunity to create an app that can change the world.

Computer Maintenance I**Course Code: PA9210W****Grade Level:** 9, 10**Length of Course:** 1 Year**1 Credit-****Weighted****Prerequisite:** None**Fee:** \$30**Offered at:** EHS

Students will learn hands-on technical aspects of the microcomputer, including system setup (hardware and software) and troubleshooting with use of tools, hardware components and hardware/software interfacing. Install, configure, upgrade, optimize and perform preventive maintenance with respect to security using appropriate tools, diagnostic procedures and troubleshooting techniques. Course helps students prepare for the CompTIA A+ certification to establish the foundation of an entry level IT professional. Computer experience highly recommended. Students will have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, SkillsUSA.

Computer Maintenance II**Course Code: PA9211W****Grade Level:** 10, 11, 12**Length of Course:** 1 Year**1 Credit-Weighted****Prerequisite:** Computer Maintenance I**Fee:** \$30**Offered at:** EHS

Students will apply skills learned from previous coursework in Computer Maintenance I to install, support, maintain, and upgrade computer/electronic devices. Students will work with Information Systems staff to support local technologies on our campus. This will include but is not limited to locating, quarantining, and removing specific viruses, diagnosing hardware problems, supporting printer installations and repairs, and troubleshooting technology issues. Upon successful completion of this course, students will be prepared to pass the CompTIA A+ Certification. Students will have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, SkillsUSA.

Computer Maintenance Internship**Course Code: PA9213****Grade Level:** 10, 11, 12**Length of Course:** 1 Year**1 Credit****Prerequisite:** Computer Maintenance I & II**Fee:** \$30**Offered at:** EHS

This course is a year-long course devoted to the application of the technical skills gained through the Computer Maintenance program. Students will participate in a paid or unpaid internship off campus to practice and improve their skills in the Technology Industry. Appropriate internship placement assistance will be provided by the program teacher. All students are required to comply with all industry and placement specific regulations. Students must work a minimum of 120 hours total. Each student must provide their own transportation to and from the internship placement site. Parent permission is required, along with a signed Training Agreement and Training Plan. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, SkillsUSA.

Computer Networking I**Course Code: PA9220W****Grade Level:** 9, 10, 11**Length of Course:** 1 Year**1 Credit-Weighted****Prerequisite:****Fee:** \$30**Offered at:** EHS

This course is designed to provide students with classroom and laboratory experience in current and emerging networking technology. Students will learn to design, build, and maintain small to medium size networks. Instruction includes safety, networking, network terminology and protocols, local-area networks, Open System Interconnection models, cabling, cabling tools, routers, router programming, Ethernet, Internet Protocol addressing, and network standards. Particular emphasis is given to the use of decision-making and problem solving techniques in applying science, mathematics, communication, and social studies concepts to solve networking problems. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, SkillsUSA.

Computer Networking II**Course Code: PA9221W****Grade Level:** 10, 11, 12**Length of Course:** 1 Year**1 Credit-Weighted****Prerequisite:** Computer Networking I**Fee:** \$30**Offered at:** EHS

Students will continue to develop their skills in design and troubleshoot complex network systems for home or small offices. This course will dive into in depth coverage of cybersecurity concepts and techniques needed to help meet the growing demand for entry-level IT professionals. Students will demonstrate their ability to analyze cyber threats by using networking devices, simulation tools, software, and competitions. These courses prepare students to obtain a wide variety of industry recognized IT certifications. Learn the skills you need to work in this exciting and growing field. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, SkillsUSA.

Computer Networking Internship**Course Code: PA9223****Grade Level:** 12**Length of Course:** 1 Year**1 Credit****Prerequisite:** Computer Networking I & II**Fee:** \$30**Offered at:** EHS

This course is a year-long course devoted to the application of the technical skills gained through the Computer Networking program. Students will participate in a paid or unpaid internship off campus to practice and improve their skills in the Technology Industry. Appropriate internship placement assistance will be provided by the program teacher. All students are required to comply with all industry and placement specific regulations. Students must work a minimum of 120 hours to receive one credit. Each student must provide their own transportation to and from the internship placement site. Parent permission is required, along with a signed Training Agreement and Training Plan. Students will also have the opportunity to participate in the state-approved CTE Career & Technical Student Organization, SkillsUSA.

ARMY JROTC

The QCUSD High School National Defense Cadet Corps (NDCC/Junior Reserve Officer Training Corps (JROTC) consists of four levels of Leadership Education Training (LET) instruction. The JROTC curriculum is based on the principles of performance-based, learner-centered education and is linked to the National Mid-continent Research for Education and Learning (McREL) Content Knowledge Standards. Every lesson and assessment actively engages students' higher-order thinking and skill performance. All levels of LET are required to complete a Service Learning Project.

NDCC/JROTC Leadership and Education Training (LET I)**Course Code: MS101****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year**1 Credit****Fee:** \$30**Offered at:** QCHS/ EHS*Dual Enrollment credit may be offered for this course. Please see instructor*

NO MILITARY SERVICE OBLIGATION! This course will introduce citizenship, leadership theory and application, and foundations for success. The LET 1 Level consist of: Foundations of Army JROTC, Being A Leader, Leadership Skills, Know Yourself-Socrates, Learning to Learn, Study Skills, Communication Skills, and Conflict Resolution. Students will participate in physical activity, leadership application and complete a service-learning project. Students will have the opportunity to assume positions of leadership and participate in adventure training, color guard, drill, orienteering and rifle marksmanship competitions. Students will be prepared to conduct various ceremonies (color guard, parades, flag detail, etc.) in the Army Service uniform at authorized events before and after school. Cadets will be required to wear a uniform.

NDCC/JROTC Leadership and Education Training (LET II)**Course Code: MS201****Grade Level:** 10, 11, 12**Length of Course:** 1 Year**1 Credit****Prerequisite:** JROTC Leadership and Education Training (LET I)**Fee:** \$30**Offered at:** QCHS/ EHS*The Physical Education requirement for graduation will be satisfied upon completion of LET I and LET II.**Dual enrollment credit may be offered for this course. Please see instructor.*

NO MILITARY SERVICE OBLIGATION! Leadership Education and Training II is split into units including: Techniques of Communication, Leadership, Cadet Challenge, Leadership Lab, First Aid, Map Reading, History, Your American Citizenship, Career Opportunities, and the Role of the U.S. Army. Students will develop and participate in physical activity, leadership training and complete a service-learning project. Students will have the opportunity to assume positions of leadership and participate in adventure training, color guard, drill, orienteering and rifle marksmanship competitions, along with providing leadership to LET I students. Cadets will be required to conduct various ceremonies (color guard, parades, flag detail, etc.) in the Army Service uniform at authorized events before and after school. Cadets will be required to wear a uniform.

NDCC/JROTC Leadership and Education Training (LET III)**Course Code: MS301**

Grade Level: 11, 12	Length of Course: 1 Year	1 Credit
Prerequisite: JROTC Leadership and Education Training (LET II)		
Fee: \$30		
Offered at: QCHS/ EHS		
<i>Upon successful completion of LET III, the District graduation requirement for a CTE credit will be satisfied.</i>		
<i>Dual Enrollment credit may be offered for this course. Please see instructor</i>		

NO MILITARY SERVICE OBLIGATION! Leadership Education and Training III provides additional leadership opportunities. In this year, students will not only be more involved as teachers and leaders within the cadet battalion, but they will also do more independent studies in the areas of communication, leadership, first aid, history, map reading, career opportunities, and technology awareness. This course will emphasize advanced training in citizenship in action, leadership theory and application, foundations for success and citizenship in American history and government. Students will be required to conduct various ceremonies (color guard, parades, flag detail, etc.) in the Army Service uniform at authorized events before and after school. Cadets will be required to wear a uniform

NDCC/JROTC Leadership and Education Training (LET IV)**Course Code: MS401**

Grade Level: 11, 12	Length of Course: 1 Year	1 Credit
Prerequisite: JROTC Leadership and Education Training III		
Fee: \$30		
Offered at: QCHS/ EHS		
<i>Upon successful completion of LET IV, the District graduation requirement for a CTE credit will be satisfied.</i>		
<i>Dual Enrollment credit may be offered for this course. Please see instructor</i>		

NO MILITARY SERVICE OBLIGATION! The fourth-year cadets are responsible for the daily cadet administration and perform as commanders and staff officers. They act as assistant instructors in some subject areas for other JROTC LET courses. Students continue to develop their leadership skills and plan special unit events such as the military ball and the annual awards banquet as well as several Leadership camps.

Advancement Via Individual Determination (AVID)

Advancement Via Individual Determination (AVID) is a school wide transformation effort focused on leadership, systems, instruction, and culture, and is designed to increase the number of students who enroll and succeed in higher education and in their lives beyond high school. AVID-trained educators teach students academic and social skills to help them develop the habits and behaviors needed to succeed in rigorous curriculum. The AVID College Readiness System is a catalyst for developing a school culture that closes the achievement, expectation, and opportunity gaps many students face, and it prepares all students for success in a global society.

AVID 9**Course Code: EL281**

Grade Level: 9	Length of Course: 1 Year	1 Credit
Prerequisite: 1 Elective Selection and Application Process Required		

AVID is an elective class offered to students who would like to prepare for four-year universities. The curriculum features writing, inquiry, collaboration, reading, note taking and study skills, and College/Career/ Motivational activities, including field trips to universities in the area. Trained tutors are in the classroom leading collaborative tutorials twice a week. Students must commit to taking notes in subject-area classes on a daily basis. Focus of AVID 9 is organization, planning, inquiry, and vocabulary development. Other requirements are satisfactory citizenship, good attendance, and a GPA of 2.0-3.5.

AVID 10**Course Code: EL282**

Grade Level: 10	Length of Course: 1 Year	1 Credit
Prerequisite: AVID 9 or Selection and Application Process Required		

AVID is an elective class offered to students who would like to prepare for four-year universities. The curriculum features writing, inquiry, collaboration, reading, note taking and study skills, and College/Career/ Motivational activities, including field trips to universities in the area. Trained tutors are in the classroom leading collaborative tutorials twice a week. Students must commit to taking notes in subject-area classes on a daily basis. Focus of AVID 10 is on the inquiry process and critical thinking skills along with organization, goal setting, and planning. Other requirements are satisfactory citizenship, good attendance, and a GPA of 2.0-4.0.

AVID 11**Course Code: EL283**

Grade Level: 11	Length of Course: 1 Year	1 Credit
Prerequisite: AVID 10 or Selection and Application Process Required		

AVID 10 or Selection and Application Process Required **Career Pathway: BLIS** AVID is an elective class offered to students who would like to prepare for four-year universities. The curriculum features writing, inquiry, collaboration, reading, note taking and study skills, and College/Career/Motivational activities, including field trips to universities in the area. Trained tutors are in the classroom leading collaborative tutorials twice a week. Students must commit to taking notes in subject-area classes on a daily basis. Focus of AVID 11 is on Career exploration and critical reading/writing skills. Other requirements are satisfactory citizenship, good attendance, and a GPA of 2.0-4.0.

AVID 12**Course Code: EL284****Grade Level: 12****Length of Course: 1 Year****1 Credit****Prerequisite:** AVID 10 or Selection and Application Process Required

AVID 11 or Selection and Application Process Required **Career Pathway: BLIS** AVID is an elective class offered to students who would like to prepare for four-year universities. The curriculum features writing, inquiry, collaboration, reading, note taking and study skills, and College/Career/Motivational activities, including field trips to universities in the area. Trained tutors are in the classroom leading collaborative tutorials twice a week. Students must commit to taking notes in subject-area classes on a daily basis. Focus of AVID 11 is on Career exploration and critical reading/writing skills. Other requirements are satisfactory citizenship, good attendance, and a GPA of 2.0-4.0.

AVID Tutor**Course Code: EL280****Grade Level: 11, 12****Length of Course: 1 Year****1 Credit****Prerequisite:** Current or former enrollment in an academic college courses with grades of B or higher, for example: College Algebra or AP-level classes. Placement by guidance counselor/AVID coordinator**Pay:** \$8.00 an hour

Under the direct supervision of the AVID coordinator/teacher, the AVID Tutor will be able to assist students with all educational concerns as they pertain to the AVID program.

English

Pathway	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Standard	English 9	English 10	English 11	English 12
Honors	Honors English 9	Honors English 10	AP Language and Composition OR Honors English 11	AP Literature and Composition OR Honors English 12

English 9

Course Code: EN100

Grade Level: 9	Length of Course: 1 Year	1 Credit
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Major areas of study include the introduction of different genres of writing including persuasive, analysis, narrative, functional text, and students guided research with an emphasis on format. Students are expected to read fluently at a 9th grade level including: acquire and use new vocabulary, employ comprehension strategies, recognize, identify, analyze, and apply knowledge of the structures, historical and cultural aspects, and purposes of literature, expository text, persuasive text and functional text. Additionally, students will participate in public speaking by planning, organizing, developing, producing, and evaluating multimedia presentations.

Honors English 9

Course Code: EN100W

Grade Level: 9	Length of Course: 1 Year	1 Credit - Weighted
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This course is designed to prepare students for Advanced Placement or Dual Enrollment courses. Literature selections will be representative of ancient and modern world cultures. Students will improve their critical thinking skills as they comprehend the diversity and influences of literary traditions. Oral discussions and written compositions will be an integral part of the course. Writing processes necessary to produce persuasive, critical, and creative multi-paragraph essays and compositions will be emphasized.

English 10

Course Code: EN200

Grade Level: 10	Length of Course: 1 Year	1 Credit
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Major areas of study include fine-tuning of writing in publication quality, emphasizing coherence, ideas and content development, word choice, conventions, voice and organization. Students will demonstrate an understanding of the basic forms of writing as well as the writing process. In alignment with the writing, students will demonstrate comprehension skills at a tenth grade level, as well as the skills of effective group/individual formal and informal presentations. Various themes, cultural dynamics and literary analysis will be studied in all genres (short stories, novel, poetry and drama) with an emphasis on literary format and devices utilized to create fiction and non-fiction. Vocabulary development will focus on both the written and reading language.

Honors English 10

Course Code: EN200W

Grade Level: 10	Length of Course: 1 Year	1 Credit - Weighted
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Prerequisite: English 9 or Honors English 9

This course is designed to prepare students for Advanced Placement or Dual Enrollment courses. The course builds upon the foundations established in Pre-AP English 9 including the expansion and development of skills in critical literacy, vocabulary development, writing about literature, and recognition and use of literary elements. Literature selections will be representative of cross cultural themes from several viewpoints and genres. Oral discussions and written compositions will be an integral part of the course. Reinforcing the logic and critical thinking skills that accompany good writing, this course provides advanced instruction in writing for a variety of purposes and audiences.

English 11

Course Code: EN300

Grade Level: 11	Length of Course: 1 Year	1 Credit
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Major areas of study include multiple forms of discourse, which focus on the refinement of writing through the preparation of descriptive, compare/contrast and persuasive documents. In addition, there will be a focus on the novel, short stories and poetry with emphasis on the critical analysis of the various genres of literature. Emphasis is also placed on oral assignments and communication. Content will cover the writings of American authors from the colonial period to modern day.

Honors English 11

Course Code: EN300W

Grade Level: 11

Length of Course: 1 Year

1 Credit-Weighted

Prerequisite: English 10, Honors English 10 AND/OR a passing score on the Accuplacer Reading Placement test.

Dual enrollment credit may be offered for this course. Please see instructor

Honors English 11 is a college level course incorporating the curriculum of Honors English 11 and two college courses, English-Humanities (ENH) 110 and English-Humanities (ENH) 113. Honors English 11 is a study of American literary works from Early Native American Literature to present day with an emphasis on the critical analysis of the written genre. ENH 110, the first half of a two semester sequence, provides a global overview of literature with special emphasis on diverse cultural contributions through various forms of literary expression such as poetry, drama, essay, novel, short story, and film. ENH 113, the second half of a two-semester sequence, examines perspectives of contemporary writers/directors representing a variety of cultures throughout the world focusing on the critical analysis of current issues. This course places a strong demand upon written and oral presentation/communication in addition to research. Students have the option to take this course for College Credit through the Dual Enrollment Program offered through Chandler-Gilbert Community College. Students are only required to pay for the course if they want the college credit, but will be responsible for all the work, including the ENH 110 and ENH 113 assignments. Enrolling for this course for college credit will impact college transcripts.

AP Language and Composition

Course Code: EN301W

Grade Level: 11

Length of Course: 1 Year

1 Credit-Weighted

Prerequisite: English 10, Honors English 10

Fee: \$50

Dual enrollment credit may be offered for this course. Please see instructor

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes. What to expect: Students will be required to take the Advanced Placement test at the end of the school year.

English 12

Course Code: EN400

Grade Level: 12

Length of Course: 1 Year

1 Credit

Major areas of study include multiple forms of discourse, which focus on the refinement of writing through the preparation of varying types of writing including comparison/contrast, evaluation, and research. In addition, there will be a focus on the novel, short stories and poetry with emphasis on the critical analysis of the various types of literature. Emphasis is also placed on oral assignments and communication. Content will cover the writings of British and world authors over an extended time period.

Honors English 12

Course Code: EN400W

Grade Level: 12

Length of Course: 1 Year

1 Credit-Weighted

Prerequisite: English 11, Honors English 11 AND a passing score on the Accuplacer Writing Placement test and Accuplacer College Reading test.

Fee: \$50

Dual enrollment credit may be offered for this course. Please see instructor

This course incorporates the curriculum of Honors English 12, English 101 (college level), and English 102 (college level). Honors English 12 is a study of British literary works from the Anglo-Saxon time period to present day and a brief study of world literary works. English 101 is the first half of a two-semester sequence. This course on rhetoric and composition emphasizes establishing effective college-level expository writing strategies. English 102 is the second half of a two-semester sequence. This course on rhetoric and composition emphasizes further development of effective college-level writing strategies, including research-based writing. Students have the option to take this course for College Credit through the Dual Enrollment Program offered through Chandler-Gilbert Community College. Students are only required to pay for the course if they want the college credit, but will be responsible for all the work, including the ENG101 and ENG 102 assignments. Enrolling in this course for college credit will impact college transcripts.

AP Literature and Composition

Course Code: EN401W

Grade Level: 12

Length of Course: 1 Year

1 Credit-Weighted

Fee: \$50

Dual enrollment credit may be offered for this course. Please see instructor

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing. What to expect: Students will be required to take the Advanced Placement test at the end of the school year. Depending on the teacher assigned to the class, students may have the option of taking this class for Dual Enrollment Credit for English 101 and 102. CGCC Course Descriptions: English 101: The first half of a two-semester sequence, this course on rhetoric and composition emphasizes establishing effective college-level expository writing strategies. English 102: The second half of a two-semester sequence, this course on rhetoric and composition emphasizes further development of effective college level writing strategies, including research-based writing. Be advised College Credit will not be awarded for grades of 69% or lower, but will impact the student's college transcripts. Students will be required to take Advanced Placement exam at the end of the school year.

Fine Arts

Marching Band and Color Guard

Course Code: FA120

Grade Level: 9, 10, 11, 12

Length of Course: 1 Semester/Fall Only

½ Credit

Prerequisite: Must have some experience in playing a musical instrument.

Fee: \$100

School Instrument Rental Fee: \$50.00

This course, if taken for 4 semesters, will satisfy the one Physical Education credit required for graduation.

This course may be repeated for credit but not for grade change.

The main emphasis of this course will be learning how to move in a synchronized manner with music. Students will also work on improving intonation, blend, balance, dynamics, articulation, phrasing, and working as a team. The Marching Band performs at athletic events, parades, assemblies and Marching Band festivals throughout the fall semester. Extensive after-school, evening, and weekend commitments will be expected.

Percussion

Course Code: FA124

Grade Level: 9, 10, 11, 12

Length of Course: 1 year

1 Credit

Prerequisite: Must have some experience playing a musical instrument. Must be concurrently enrolled in marching band in fall semester

Fee: \$20

School Instrument Rental Fee: \$50.00

This course may be repeated for credit but not for grade change.

Open to all band students with prior band experience. Percussion is a performance ensemble for the developing band student. This class will concentrate on developing basic playing skills such as tone production, rhythmic proficiency, and technical ability. This course will include participation in local concerts and festivals. Appropriate performance attire is required.

Symphonic Winds

Course Code: FA126

Grade Level: 9, 10, 11, 12

Length of Course: 1 Year

1 Credit

Prerequisite: Must be concurrently enrolled in Marching Band in the fall semester.

Fee: \$20

School Instrument Rental Fee: \$50.00

This course may be repeated for credit but not for grade change.

Open to all band students with prior band experience. Symphonic Winds is a performance ensemble for the developing band student. This class will concentrate on developing basic playing skills such as tone production, rhythmic proficiency, intonation, and technical ability. This course will include participation in local concerts and festivals. Appropriate performance attire is required.

Chamber Wind Ensemble

Course Code: FA127

Grade Level: 10, 11, 12

Length of Course: 1 year

1 Credit

Prerequisite: Must pass audition for Director. Must be concurrently enrolled in Marching Band in the fall semester.

Fee: \$20

School Instrument Rental Fee: \$50.00

This course may be repeated for credit but not for grade change.

This course is intended for accomplished and advanced musicians. This ensemble will concentrate on studying standard wind ensemble repertoire as well as new works. Students will develop an understanding of music performance, culture and history while rehearsing and performing. This course will include participation in local concerts and festivals. Appropriate performance attire is required.

Jazz Band

Course Code: FA123

Grade Level: 9, 10, 11, 12

Length of Course: 1 semester/spring semester

½ Credit

Prerequisite: Must pass audition for Director. Must be concurrently enrolled in either symphonic winds, chamber winds, or percussion

Fee: \$30

School Instrument Rental Fee: \$50.00

This course may be repeated for credit but not for grade change.

This course is designed for more advanced musicians. This group will study and perform various genres of jazz such as; blues, rock, and standard jazz band music. Attendance at rehearsals and performances outside the school may be required. Appropriate performance attire is required.

Jazz Band & Improvisation**Course Code: FA149****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 semester/spring semester**½ Credit****Prerequisite:** Must pass audition for Director.**Fee:** \$50**School Instrument Rental Fee:** \$50.00*This course may be repeated for credit but not for grade change.*

This course is designed for more advanced musicians. This group will study and perform various genres of jazz such as; blues, rock, and standard jazz band music in the jazz combo setting. Students will build an advanced understanding of Jazz Improvisation and aesthetic Jazz practices. Attendance of rehearsals and performances outside the school may be required. Appropriate performance is required.

Women's Vocal Ensemble**Course Code: FA130****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year**1 Credit****Fee:** \$20*This course may be repeated for credit but not for grade change.*

This ensemble is for any beginning or intermediate level female singers. Students will learn basic vocal technique, music reading skills, choreography and performance techniques through the study and performance of various genres of choral music. Attendance at all concerts and festivals will be mandatory.

Chorale**Course Code: FA131****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year**1 Credit****Prerequisite:** Audition or recommendation of director.**Fee:** \$20*This course may be repeated for credit but not for grade change.*

This ensemble is for any beginning to advanced male singers and advanced female singers. Students will learn vocal technique, music reading skills, choreography and performance techniques through the study and performance of various genres of choral music. Attendance at all concerts and festivals will be mandatory.

Symphonic Orchestra**Course Code: FA140****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year**1 Credit****Prerequisite:** Instructor Approval Only**Fee:** \$20**School Instrument Rental Fee:** \$50.00*This course may be repeated for credit but not for grade change.*

Symphonic Orchestra focuses on the development of advanced string techniques. A variety of musical styles will be studied and performed throughout the year. This course is a preparation for Chamber Orchestra. Attendance and participation in class, rehearsals, and performances will be required. Placement is by teacher approval/audition only.

Chamber Orchestra**Course Code: FA141****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year**1 Credit****Prerequisite:** Audition only**Fee:** \$20**School Instrument Rental Fee:** \$50.00

This course is the advanced string orchestra experience. This class will focus on literature from all periods: Baroque, Classical, Romantic and Contemporary. It involves rigorous practice and performance participation. The Orchestra may be expected to perform at school and community functions. Students participate in a college-prep curriculum for music performance and theory. Course also covers some music theory and composition. Appropriate performance attire is required. Placement is by teacher audition only.

Sinfonietta Orchestra**Course Code: FA142****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year**1 Credit****Prerequisite:** Audition only**Fee:** \$30**School Instrument Rental Fee:** \$50.00

This course is the advanced string orchestra experience. This class will focus on literature from all periods: Baroque, Classical, Romantic and Contemporary. It involves rigorous practice and preparation for performance. This honors course involves college preparatory level literature and performance. The course covers college audition requirements (major, minor and non-major). College preparatory music history and theory will also be covered in this course, and vary from year to year. The Orchestra will be expected to perform at school and community functions. Involvement includes occasional practices before and after school. Attendance and participation in class, rehearsals, and performances will be mandatory. Placement is by teacher audition only.

Piano I**Course Code: FA160****Grade Level: 9, 10, 11, 12****Length of Course: 1 Year****1 Credit****Prerequisite:****Fee: \$20**

This course is for students who would like to learn basic piano and music reading skills. This course is designed for students with limited or no experience playing the piano.

Piano II**Course Code: FA161****Grade Level: 9, 10, 11, 12****Length of Course: 1 Year****1 Credit****Prerequisite:** Piano I or Audition**Fee: \$20**

This course is designed to be a continuation of Piano Lab I. Piano Lab II is for students who have successfully completed Piano Lab I, or students who have a substantial background playing the piano.

Piano Independent Study**Course Code: FA163****Grade Level: 9, 10, 11, 12****Length of Course: 1 Year****1 Credit****Prerequisite:** Piano II or Audition**Fee: \$20**

This course is designed for students who have already mastered the skills covered in Piano I and Piano II. Students will be given independent assignments to continue learning about new concepts in piano music such as chord inversions, sixteenth notes, minor keys, the circle of 5th, cadences, flat key signatures, and the three forms of the minor scale.

Guitar I**Course Code: FA150****Grade Level: 9, 10, 11, 12****Length of Course: 1 Year****1 Credit****Fee: \$20****School Instrument Rental Fee: \$50.00***Students need to supply their own 6 string acoustic guitar.*

Guitar courses introduce students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. These courses may also include more advanced guitar-playing techniques. This course is designed for beginning students and will develop basic instrumental skills on the guitar, including music reading (standard notation), scales, chords, tablature notation, method exercises, and rhythm and tone production.

Guitar II**Course Code: FA151****Grade Level: 9, 10, 11, 12****Length of Course: 1 Year****1 Credit****Prerequisite:** Successful completion of Guitar I or instructor approval. Students must be able to read music.**Fee: \$20****School Instrument Rental Fee: \$50.00***Students need to provide their own 6 string acoustic guitar.*

Guitar courses introduce students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. These courses may also include more advanced guitar-playing techniques. This class is orientated more toward students that have had some prior music experience. Focus will be on advanced music reading, exploring chord patterns and strumming techniques. Ensemble participation is an integral part of the class. Students will also have opportunities to perform in small groups and large ensembles.

Advanced Guitar/ Independent Study**Course Code: FA152****Grade Level: 9, 10, 11, 12****Length of Course: 1 Year****1 Credit****Prerequisite:** Successful completion of Guitar I or instructor approval. Students must be able to read music.**Fee: \$20****School Instrument Rental Fee: \$50.00***Students need to provide their own 6 string acoustic guitar.*

In Advanced Guitar/Independent Study, students will refine and further their skills in classical technique, as well as the exploration and implementation of jazz, rock, flamenco, and other styles of guitar playing. Students will also perform ensemble music and work on individual solos. The college audition portion of the lead guitar curriculum will be addressed and focused on for interested students. Course will require performances and master classes outside of the school day.

Introduction to Music Theory & Aural Perception**Course Code: FA169W****Grade Level: 9, 10, 11, 12****Length of Course: 1 year****1 Credit-Weighted****Fee: \$50***College Credit may be offered for this course*

This course is designed to develop both written and aural skills necessary for advanced study of music. The course competencies are a combination of MTC101 (3 credits) and MTC103 (1 credit) through the Maricopa Community Colleges. Currently, only MTC101 is available for dual enrollment credit. The theory concepts covered will include the written musical notation system, scales, intervals, and triads. Aural skills will include musical notation, rhythm, intervals, melodies, and triads. Assessments will include written work such as dictation as well as sight singing.

AP Music Theory**Course Code: FA170W****Grade Level: 10, 11, 12****Length of Course: 1 year****1 Credit-Weighted****Fee: \$50***College credit may be offered for this course.*

This course is designed for students interested in music composition and basic music theory fundamentals. The course will coincide with the AP Music Theory Curriculum and will be structured along its guidelines. Students will gain an understanding of music notation, harmony, chord structures, part writing, arranging and composition. Students will be required to take the Advanced Placement music theory test at the end of the school year.

Theatre Arts I**Course Code: FA190****Grade Level: 9, 10, 11, 12****Length of Course: 1 Year****1 Credit****Fee: \$20**

This course will introduce students to all areas of the theatre. Students will experience acting and improvisation, including audition techniques, movement and voice, script writing, theatre history, puppetry, set and costume design. This course is a prerequisite for Theatre Arts II.

Theatre Arts II**Course Code: FA191****Grade Level: 10, 11, 12****Length of Course: 1 Year****1 Credit****Prerequisite:** Theatre Arts I*This course may be repeated for credit but not for grade change.***Fee: \$20**

Theatre Arts II expand the student's skills learned in Theatre Arts. The focus of study is theatre history and its various acting styles, voice and dialect, reader's theatre, Foley art, and writing and performing original short plays and scripted scenes in class. In addition, the students will learn to design and prepare for their own in-class performances. This course is a prerequisite for Theatre Arts III.

Theatre Arts III**Course Code: FA192****Grade Level: 11, 12****Length of Course: 1 Year****1 Credit****Prerequisite:** Theatre Arts I & II, and/ or Audition Only**Fee: \$20**

Students must audition in the spring of the previous year for enrollment into Theatre Arts III. The focus of this course is putting all techniques learned in the previous classes to practice in technical design, producing and performing in various one acts, scripted and original, as well as exploring scripts from various films. Students will learn to direct, stage manage, and set, costume and design their own productions.

Theatre Arts IV**Course Code: FA193****Grade Level: 12****Length of Course: 1 Year****1 Credit****Prerequisite:** Theatre II & III, and/ or Audition Only**Fee: \$20**

Students must audition in the spring of the previous year for enrollment into Theatre Arts III. This course will focus on auditions for professional and college admissions as well as International Thespian requirements. Students will explore the different types of theater and acting at the university and professional level.

Intro to Art**Course Code: FA111****Grade Level: 9, 10, 11, 12****Length of Course: 1 Year****1 Credit****Fee: \$20**

This beginning survey class will provide students with the foundation for advanced visual art courses. In this course, emphasis will be placed on understanding the Elements of Art and Principles of Design as a basis for composition. Students will explore a variety of artists, art processes and materials such as drawing, painting, two & three-dimensional design. Student artwork will reflect aesthetics & cultural and historical contexts. A journal sketchbook is required.

Drawing and Painting**Course Code: FA106****Grade Level: 10, 11, 12****Length of Course: 1 Year****1 Credit****Prerequisite:** Intro to Art**Fee: \$40**

This course is a second-year course that provides an opportunity for students to expand on the drawing and painting concepts introduced in Intro to Art. Emphasis is placed on experiences with design principles, drawing techniques, and painting skills leading to the development of abilities that are necessary for advanced art courses. Students are given more in-depth problems to solve creatively while becoming more adept through a broad exposure to various media that offer opportunities to execute in self-expression. A journal sketchbook is required.

Advanced Drawing and Painting**Course Code: FA108****Grade Level: 11, 12****Length of Course: 1 Year****1 Credit****Prerequisite: Intro to Art, and Drawing and Painting****Fee: \$40**

This course is an advanced course designed for the student who wishes to further develop skills and techniques that were introduced in previous drawing and painting courses. Students will be continually encouraged to expand their creative ideas as well as their technical potential. This is a desirable course for any student wishing to develop a portfolio for college. Students will practice self-discipline, goal setting, effective attitudes, and active participation to prepare them for success in the visual arts as well as for lifelong learning. Students will also learn about career pathways in the visual arts as well as recognize the impact of new technology as a means to broaden and expand upon their artistic knowledge and skills. Students will analyze visual information, responding to artists' works as well as their own, in written and oral form using critical thinking and philosophical theory to make their judgments. Students will also demonstrate knowledge of the historical timeline of art and its effect on the development of society. A journal sketchbook is required

Ceramics I**Course Code: FA107****Grade Level: 9, 10, 11, 12****Length of Course: 1 Year****1 Credit****Fee: \$40**

This class is designed for students who have an interest in working with clay, and gives students experiences in making functional as well as sculptural pieces using a variety of techniques. Students will learn the basic hand building techniques using the pinch pot, coil, and slab methods. This course will emphasize the elements and principles of the 3 dimensional forms. In the second semester, students will continue using the hand building techniques (slab, pinch and coil). In addition, students will learn basic wheel throwing techniques.

Ceramics II**Course Code: FA109****Grade Level: 10, 11, 12****Length of Course: 1 Year****1 Credit****Prerequisite: 1 credit of Ceramics I****Fee: \$40**

This class will provide an advanced level of enrichment in creative expression and skills refinement using a variety of clay techniques. These techniques include coil, slab, sculptural, wheel thrown, and glazing. The principles and elements of art will be emphasized. This class is designed as an "open studio" environment. Students will refer to the list of required projects and work at their own pace.

Mathematics

Pathway	<u>9th Grade</u>	10 th Grade	11 th Grade	12 th Grade
Standard	Algebra 1 **	Geometry	Algebra 2**	Pre-Calculus* Quantitative Reasoning*
Honors	Honors Algebra Honors Geometry	Honors Algebra 2	Honors Pre-Calculus*	AP Calculus AB* AP Calculus AB/BC* AP Statistics*
Accelerated	Honors Algebra 2	Honors Pre-Calculus*	AP Calculus AB/BC*	Multivariate Calculus and Differential Equations* AP Statistics*

*Course is available for dual-enrollment

**Algebra support courses available to be taken concurrently with Algebra 1 or Algebra 2

Algebra I

Course Code: MA100

Grade Level: 9 <i>Meets university admission requirements</i>	Length of Course: 1 Year	1 Credit
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This course is designed to deepen and extend understanding of linear and non-linear relationships by comparing and contrasting them with each other. Students will apply models to data that exhibit linear trends. In addition, students will engage in methods of analyzing, solving and using quadratic functions. This course uses the state standards as a guideline for its curriculum and prepares students for advance study in mathematics and science. This course can be taken concurrently with Honors Geometry.

Honors Algebra I

Course Code: MA102W

Grade Level: 9 <i>Meets university admission requirements</i>	Length of Course: 1 Year	1 Credit - Weighted
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This course is an accelerated course in Algebra I for students who have proven their exceptional interest, ability, and industry in mathematics. The content of the regular Algebra 1 course will be explored in depth with additional emphasis on the application of the functions studied. This course uses the state standards as a guideline for its curriculum and prepares students for advance study in mathematics and science. This course can be taken concurrently with Honors Geometry.

Geometry

Course Code: MA200

Grade Level: 9, 10 <i>Meets university admission requirements</i>	Length of Course: 1 Year	1 Credit
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This course develops understanding of informal explanations of circumference, area and volume formulas. Criteria will be established for congruence and similarity of geometric figures based on rigid motions, constructions, dilations and proportional reasoning. Students will prove geometric theorems and solve problems involving right triangles. Students will need a compass and protractor. The course uses the state standards as a guideline for its curriculum and prepares students for advance study in mathematics and science.

Honors Geometry

Course Code: MA200W

Grade Level: 9 <i>Meets university admission requirements</i>	Length of Course: 1 Year	1 Credit - Weighted
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This is an accelerated course in plane and solid geometry for students who have proven their exceptional interest, ability, and industry in mathematics. The content of the regular geometry course will be explored in depth with additional topics in analytic geometry, trigonometry, and constructions. The course uses the state standards as a guideline for its curriculum and prepares students for advance study in mathematics and science. This course can be taken concurrently with Algebra 1.

Algebra II

Course Code: MA301

Grade Level: 11, 12 <i>Meets university admission requirements</i>	Length of Course: 1 Year	1 Credit
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This 2nd year algebra course extends the real number system to the complex number system, representing radicals with rational exponents. This course includes solving and interpreting solutions to a variety of equations, inequalities, and systems in the context of real-world situations. Students will graph and interpret functions extending for linear, quadratic and exponential with integer exponents to polynomial, radical, rational, exponential with real exponents, logarithmic, trigonometric and piece-wise defined functions. Simple and compound probability calculations will extend to conditional probability. The course uses the state standards as a guideline for its curriculum and prepares students for advances study in mathematics and science.

Honors Algebra II**Course Code: MA301W****Grade Level: 9, 10, 11****Length of Course: 1 Year****1 Credit - Weighted****Prerequisite:** Honors Geometry.

This course is an accelerated course in Algebra II for students who have proven their exceptional interest, ability, and industry in mathematics. The content of the regular Algebra II course will be explored in depth with additional topics in discrete math, trigonometry and conic sections. The course uses the state standards as a guideline for its curriculum and prepares students for advance study in mathematics and science.

Pre-Calculus**Course Code: MA401****Grade Level: 10, 11, 12****Length of Course: 1 Year****1 Credit****Prerequisite:** Algebra II (C or better) AND/OR a qualifying score on the Accuplacer Math Placement test.*Meets university admission requirements. Dual enrollment credit may be offered for this course.*

This course strengthens students' conceptual understanding of problems, mathematical reasoning, and mathematical modeling in solving problems. It combines concepts of trigonometry, geometry, and functions to prepare students for studies in STEM related courses and college and career entry mathematics courses. This course will encourage students to reason mathematical and model real-world contexts in a team setting using technology. There will be group and individual projects throughout the year.

Honors Pre-Calculus**Course Code: MA418W****Grade Level: 10, 11****Length of Course: 1****1 Credit****Prerequisite:** Honors Algebra II, AND/OR a qualifying score on the Accuplacer Math Placement test.*Dual enrollment credit may be offered for this course. Meets university admission requirements*

This course is an accelerated course in Pre-Calculus for students who have proven their exceptional interest, ability, and industry in mathematics. The content of the regular Pre-Calculus course will be explored in depth with additional topics in analytic geometry. This course will encourage students to reason mathematically and model real-world contexts in a team setting using technology. There will be group and individual projects throughout the year.

Quantitative Reasoning**Course Code: MA421****Grade Level: 12****Length of Course: 1 Year****1 Credit****Prerequisite:** Algebra II.*Dual enrollment may be offered for this course. Meets university admission requirements*

This course is a 4th year math course for seniors with non-STEM post-secondary intentions. Quantitative reasoning utilizes basic mathematical and reasoning concepts and operations required for problem solving, decisions making, economic productivity and real world applications. Students will acquire the skills necessary to make rational decisions based of real data. Students will be able to report their conclusions in a precise and accurate manner using the language, tools, and symbolism of mathematics using a variety of technology and methods.

AP Calculus AB**Course Code: MA404W****Grade Level: 11, 12****Length of Course: 1 Year****1 Credit - Weighted****Prerequisite:** Honors Pre-Calculus, AND/OR a qualifying score on the Accuplacer Math Placement test or MAT187**Fee: \$50***Dual enrollment may be offered for this course. Meets university admission requirements*

This college level calculus course follows the syllabus that is outlined by the College Board. This course is a study of limits, continuity, the derivative, and its applications including rates of change. It also includes the fundamental principles and formula for differential and integral calculus along with their applications to geometry and mechanics, the mean value theorems and the fundamental theorem of calculus. Only students planning to take the Advanced Placement exam should take this course.

AP Calculus AB/BC**Course Code: MA416W****Grade Level: 11, 12****Length of Course: 1 Year****1 Credit-Weighted****Prerequisite:** AP Calculus AB or MAT220, AND/ OR a qualifying score on the Accuplacer Math Placement Test**Fee: \$50***Dual enrollment may be offered for this course MAT220/230. Meets university admission requirements*

This course is equivalent to a full year calculus class at a university and prepares students to sit for the AP Calculus BC examination where two semesters of college credit in calculus may be earned. Topics emphasized are advanced methods of integration, partial fractions, conic sections, hyperbolic functions, and polar coordinates. This is a rigorous course designed to prepare students for the AP examination in this subject area. Only students planning to take the Advanced Placement Exam should take this course.

Multivariate Calculus and Differential Equations**Course Code: MA417****Grade Level:** 11, 12**Length of Course:** 1 Year**1 Credit- Weighted****Prerequisite:** AP Calculus AB/BC**Fee:** \$50*Dual enrollment may be offered for this course MAT240. Meets university admission requirements*

This course extends the concepts developed in Calculus to functions of several variables and differential equations. Topics include multivariate calculus including vectors, vector-valued functions, differential equations, partial differentiation, multiple integration, optimization, and an introduction to vector fields. Applications and modeling will be considered.

AP Statistics**Course Code: MA420W****Grade Level:** 11, 12**Length of Course:** 1 Year**1 Credit - Weighted****Prerequisite:** Pre-Calculus or higher.**Fee:** \$50*Meets university admission requirements*

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four board conceptual themes. Exploring Data: Describing patterns and departures from pattern. Sampling and Experimentation: Planning and conducting a study. Anticipating Patterns: Exploring random phenomena using probability and simulation. Statistical Inference: Estimating population parameters and testing hypotheses. This course is comparable to the first semester Statistics course taught at colleges and universities. Only students planning to take Advanced Placement Exam should take this course.

Algebra III**Course Code: MA407****Grade Level:** 12**Length of Course:** 1 Year**1 Credit****Prerequisite:** Placement is based on District criteria.*Meets university admission requirements*

This course is an introduction to the concepts of college algebra. We will cover some of the same material that most college students must take and complete during their college career. Material that will be covered is: a Review of Basic Concepts, Graphs & Functions, Polynomial and Rational Functions, Inverse, Exponential and Logarithmic Functions, Systems and Matrices, Analytic Geometry, & Further Topics in Algebra. A graphing calculator is required for this course.

Algebra I Lab**Course Code: EL160****Grades:** 9**Length of Course:** 1 Year**1 Credit***This course does not count as a Math credit.**This course may be repeated for credit but not for grade change.*

This course is offered as an elective credit only for Algebra students who have been recommended for the class. This course will emphasize pre-requisite skills as well as current skills needed to be successful in Algebra I. Topics will include basic computation of whole numbers, decimals, fractions and integers, combining like terms, solving equations and proportions, and plotting points and lines in the coordinate plane.

Algebra II Lab**Course Code: EL162****Grades:** 11, 12**Length of Course:** 1 Year**1 Credit***This course does not count as a Math credit**This course may be repeated for credit but not for grade change*

This is an elective course designed to focus on mastery of the Algebra II standards. This course will emphasize prerequisite skills as well as current skills needed for students to be successful in Algebra II. Topics will include linear, quadratic, exponential, logarithmic, polynomial, rational and radical functions, the complex number system, sequences, and series probability, statistics, data analysis and an introduction to trigonometry. Students will receive an elective credit for successful completion of the course.

General Electives

Film Studies

Course Code: FA171

Grade Level: 9, 10, 11, 12

Length of Course: 1 Year

1 Credit

Offered at: QCHS/ EHS

This is an introductory course into the fine art of cinema. Students learn the appreciation of the art form and the interaction of moviemaking techniques and aesthetics through studying the history of cinema from the first films to modern blockbuster movies, as well as putting focus on film genres and directors. Students will receive hands-on experience with actual screenplays and film equipment.

Administrative Records Internship

Course Code: EL121

Grade Level: 11, 12

Length of Course: 1 Semester

½ Credit

Prerequisite: Job application completion, submission of 2 letters of recommendation from teachers, interview, and Registrar Administrator approval.

Offered at: QCHS/ EHS

The record internship is an individualized training program that combines learning and demonstrating office skills. The internship is designed to prepare students with a foundation for future employment by acquiring skills in the general areas of administrative assistant service. Students are expected to exhibit skills in written and oral formats, pay close attention to detail, as well as maintain a high degree of discretion in controlling the distribution of highly confidential information.

Freshmen Seminar

Course Code: EL172

Grade Level: 9

Length of Course: 1 Semester

½ Credit

Offered at: QCHS/ EHS

This course will focus on the development and strengthening of study skills in the area of note taking, organization, and test preparation, written and verbal communication, Education Career Action Plan (ECAP), leadership development through the 7 Habits of Highly Effective Teens, collaboration and teamwork, and critical problem solving to prepare freshmen for high school and beyond.

Librarian Internship

Course Code: EL107

Grade Level: 9, 10, 11, 12

Length of Course: 1 Year

1 Credit

Prerequisite: High School Librarian (instructor) approval and 2 letters of recommendation from teachers.

Offered at: QCHS/ EHS

The library internship is an individualized training program that combines learning and demonstrating library skills. The internship is designed to prepare students with a foundation for future employment by acquiring skills in the general areas of library service. Students are expected to exhibit skills in written and oral formats.

Office Internship

Course Code: EL110

Grade Level: 11, 12

Length of Course: 1 Semester

½ Credit

Prerequisite: Instructor approval and two letters of recommendation. By application only

Offered at: QCHS/ EHS

Students will be assigned to a faculty or staff member and serve as an assistant performing a variety of duties.

Student Assistant Program

Course Code: TA100

Grade Level: 10, 11, 12

Length of Course: 1 Semester

½ Credit

Prerequisite: The student must be requested by faculty/staff and must have a written job description on file in the Counseling office. This course may be repeated for credit but not for grade change. Beginning with the class of 2012, students are only able to earn one total credit as a Student Aide.

Offered at: QCHS/ EHS

Students will be assigned to a faculty or staff member and serve as an assistant performing a variety of duties. Students will be issued a Pass/Fail mark.

Unified Sports Mentor**Course Code: EL173****Grade Level: 11, 12****Length of Course: 1 Semester****½ Credit**

Prerequisite: Applications, interview, teacher recommendation, 2.5 grade point average

This course may be repeated for credit but not for grade change.

Offered at: QCHS/ EHS

This course is based on the Special Olympics Unified Sports Program. Unified Sports combines students with intellectual disabilities (athletes) and students without disabilities (partners) for sports training and competition. Unified Sports creates unique teammate bonds through sports experiences. These experiences create a culture of inclusion and foster understanding among students of all abilities. The sports include athletics, basketball, bocce, bowling, cheerleading, flag football, floor hockey, soccer, softball, tennis, and volleyball. Upon completion of the course, students will be able to identify specific rules, strategy, student diversity and health issues specific to a variety of sports and demonstrate proficiency in various movement forms. Students will have the opportunity to compete in Special Olympics Arizona Area and State Games. All students must complete appropriate medical and consent forms.

Leadership**Course Code: EL106****Grade Level: 9, 10, 11, 12****Length of Course: 1 Year****1 Credit**

Prerequisite: Requirement for elected class officers, elected executive officers, and interviewed/appointed officers. 2.8 minimum GPA (per marking period and cumulative) is required for all students. In order to run for an executive office, the student must have been in the Leadership class previously. Other criteria can be found in the Associated Student Body Constitution and the election packet.

This course may be repeated for credit but not for grade change.

This is an elective course. The students in the class are the governing board. Students will learn and demonstrate qualities of leadership. Students will take an active role in planning, organizing, and implementing school activities, assemblies, and service projects. Each student will participate in community service, group work, problem solving, parliamentary procedures, and committee work. Student participation is required. Students should be energetic, positive, motivated and willing to do service activities. Students must maintain a minimum 2.8 GPA for the length of the course. Students will be required to participate in activities outside of the school day. All students, elected and appointed, are required to take the class. Students not elected or appointed may not register.

Parallel Learning**Course Code: EL111****Grade Level: 10, 11, 12****Length of Course: 1 Semester****½ Credit**

Prerequisite: Applications, interview, teacher recommendation, 2.5 grade point average.

This course may be repeated for credit but not for grade change.

This course will involve students in the classroom teaching and activities of handicapped peers. The course is designed to train individuals to assist students with personal management, leisure activities, vocational skills and academics. Students may also participate in community experience and some after-school activities with handicapped peers.

Release Time**Course Code: RT400****Grade Level: 12****Length of Course: 1 Year****No Credit**

Prerequisite: Senior must be on track for graduation based on earned credits.

All released time requires a notarized Consent of Released Time Form.

Students may be granted release time for specific reasons approved by the school administration. Typically, released time is given to seniors for attendance at college, work, or other indicated needs. Students must be enrolled in five credit-earning courses.

Release Time/Off-Campus Instruction**Course Code: RT100****Grade Level: 9, 10, 11, 12****Length of Course: 1 Year****No Credit**

Students may be granted released time for off-campus instruction. Students must be enrolled in five credit-earning courses.

Yearbook / Journalism I**Course Code: EL134****Grade Level: 10, 11, 12****Length of Course: 1 Year****1 Credit**

Prerequisite: C Average in Core Classes or Teacher Approval

Fee: \$15

Offered at: QCHS/ EHS*This course may be repeated for credit but not for grade change.*

This introductory course will teach students the field-reporting skills necessary to contribute to the development of the QCHS/ EHS Yearbook. Students will aid in executing the marketing plan, provide input in design, and learn the basics of a business model. While in the production phases, students will enhance written communication skills, refine their digital production expertise, and enhanced photography skills. Ultimately, students will present their products to the community and school. Students must attend events outside of regular school hours to take this course. May be offered for dual enrollment credit.

Yearbook / Journalism II

Course Code: EL145

Grade Level: 10, 11, 12

Length of Course: 1 Year

1 Credit

Prerequisite: Yearbook/ Journalism I or Teacher approval

Fee: \$15

Offered at: QCHS/ EHS

This course may be repeated for credit but not for grade change.

Student work will primarily focus on the development of the QCHS Yearbook and QCHS Journalism Website. In doing so, students will engage in the pre-production planning phase, in which students will develop a marketing plan, design page layouts, and an overall business model for the class to adhere to. While in the production phases, students will demonstrate written communication skills, refinement in digital production, and enhanced photography skills. Ultimately, students will present their products to the community and school. May be offered for dual enrollment credit.

Academic Decathlon

Course Code: EL101W

Grade Level: 9, 10, 11, 12

Length of Course: 1 Year

1 Credit

Prerequisite: Teacher recommendation

Offered at: QCHS/ EHS

This course may be repeated for credit but not for grade change. Students competing in Academic Decathlon are subject to the AIA, the AADA, and District eligibility rules.

This course will prepare students to compete in United States Academic Decathlon events. Competitions involve ten academic and communication events and provide opportunities for students to earn awards and scholarships. Team members compete with other schools at their individual G.P.A. level.

International Relations

Course Code: EL204

Grade Level: 10, 11, 12

Length of Course: 1 Year

1 Credit

Prerequisite: C or better in previous year of World History or US History

Offered at: QCHS/ EHS

International Relations is a course in which students will look at current events, politics, economic philosophies, and global foreign affairs since World War II and their direct impact on the world society. Throughout the course students will be able to relate and recognize the direct impact that forces of globalization have on the economic, political, social and cultural development of nations and regions of the world. Students will also be introduced to core concepts of international relations. Students will be expected to apply these theoretical concepts to a range of specific contemporary case studies or simulations, specifically by participation in a world dominance and country building exercise, in which students will create a country from scratch, be engaged in diplomatic, treaties, economic simulations, and possibly a war situation, in which students will understand first-hand how countries manage conflicts.

Physical Education

Coed Physical Education/ Comprehensive Health

Course Code: PE100

Grade Level: 9, 10, 11, 12

Length of Course: 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course is a study of Physical Education and fitness awareness and is designed to expose students to a variety of team sports. Students will participate in instructional and competitive activities in the following sports: basketball, volleyball, softball, football, and hockey. Running and weight training will also be included to aid the student in reaching and maintaining personal health and fitness. 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, is based on Arizona Comprehensive Health Standards, will cover such topics as communicable diseases, addiction, wellness, safety, self-esteem, and decision-making.

Yogalates

Course Code: PE110

Grade Level: 9, 10, 11, 12

Length of Course: 1 Semester

½ Credit

Yogalates involves the stretching and strengthening of all the body's major muscle groups, creating a slender, long-lean-look. This class is an equal balance of yoga and pilates, emphasizing core strength, balance and flexibility. Other fitness components will be incorporated into the class for a well-rounded physique.

Beginning Dance

Course Code: PE105

Grade Level: 9, 10, 11, 12

Length of Course: 1 Year

1 Credit

Fee: \$10

Course includes basic movement patterns and terminology in ballet, modern, and jazz dance styles with an emphasis on technique and alignment. In addition, students learn the elements of choreography, improvisation techniques and production. Performance required.

Intermediate Dance**Course Code: PE106****Grade Level:** 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Beginning Dance or by audition

Fee: \$10

This course may be repeated for credit but not for grade change

Intermediate Dance at Queen Creek High School is dedicated to reinforcing and building upon the skills of intermediate level dance students. Focus will be on building a deeper understanding of technical skills in jazz, ballet, contemporary and hip hop dance styles. Students will also learn choreography and improvisational skill. The program enables students to express themselves through nonverbal means of communication while improving their dance skills. Emphasis will be placed on technique, movement quality, and knowledge of specific traits of each dance style. Students will also learn components of health-related fitness related to anatomy. This class strives to promote a lifelong interest in dance from artistic, athletic and academic perspectives.

Performance Dance**Course Code: PE107****Grade Level:** 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Beginning Dance and instructor approval

Fee: \$10

This course may be repeated for credit but not for grade change

Course provides a more serious study of the various dance styles with more emphasis on improvisation, choreography, and performance. Performance required.

Cheer**Course Code: PE109****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Member of JV or Varsity Cheer Squad which is established through try-outs

Fee: \$100

This course may be repeated for credit but not for grade change.

Students will learn and practice proper tumbling, jumping, and stunting technique. Proper motion and cheer technique will also be addressed in the class. Students will learn the importance of maintaining a healthy and active lifestyle.

Pom**Course Code: PE111****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Member of Varsity Pom team which is established through try-outs

Fee: \$100

This course may be repeated for credit but not for grade change.

Students will learn and practice proper dance technique and also prepare for HS performances. Students will learn the importance of maintaining a healthy and active lifestyle.

Strength & Conditioning Weight Training**Course Code: PE115****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Semester

½ Credit

This course may be repeated for credit but not for grade change.

This course is intended for freshman athletes and students that are beginning or intermediate weight training students. Students will perform and concentrate on technique and gains in bench presses, squats, Olympic lifts and other strength programs. Cardiovascular conditioning will also be included. Due to safety maintaining appropriate instruction, classes will be limited to 30 students.

Basic Weight Training**Course Code: PE102****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course is an introduction to weight lifting, bands, and dumbbells. Students will learn to perform correct technique or core lifts. Cardiovascular conditioning will also be included.

Advanced Weight Training**Course Code: PE103****Grade Level:** 10, 11, 12**Length of Course:** 1 Year**1 Credit****Prerequisite:** A Weight Training or Circuit Training Course*This course may be repeated for credit but not for grade change*

This class concentrates on technique and gains in bench presses, squats, power cleans, pull-ups and sit-ups and strength programs. Cardiovascular conditioning will also be included.

TEAM Sports/Weights**Course Code: PE114****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year**1 Credit****Prerequisite:** List Only*This course may be repeated for credit but not for grade change.*

This class is designed for the student-athlete preparing and competing in an interscholastic team or individual sport. The initial goal is technical mastery of basic strength training exercises, as well as Olympic lift components. Unilateral training, torso stability, and other exercises designed to reduce the risk of injury will be taught. **Student-athletes must be on a team to be in the class.**

Science

Pathway	<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>
Standard	Physical Science Biology	Biology, Chemistry	Chemistry Physics	Botany Environmental Science Human Anatomy and Physiology
Honors	Honors Biology	Honors Chemistry	AP Biology AP Chemistry AP Environmental Science AP Physics 1 AP Physics 2	AP Biology AP Chemistry AP Environmental Science AP Physics 1 AP Physics 2 Honors Human Anatomy and Physiology

Physical Science

Course Code: SC102

Grade Level: 9

Length of Course: 1 Year

1 Credit

This course meets university entrance requirements for lab science credit.

This one year course is designed to expose students to Chemistry, Physics and Earth and Space concepts. Students will be exposed to concepts concerning the composition of the Earth and its atmosphere, the varying processes that shape the surface and climate of Earth, the impact of energy on Earth and its systems and how energy and matter have changed throughout geologic time. Students will also investigate planetary bodies and their evolution. With chemistry and physics, students will be able to demonstrate how the structure of atoms gives rise to patterns and properties seen in the Periodic Table while being able to discuss how chemical reactions occur and what impacts the rate of these reactions. Finally, students will be expected to explain how differing fields influence an object and will be expected to evaluate and apply Newton's Laws. A grade of C or better in previous math and science classes is recommended for this course.

Biology

Course Code: SC200

Grade Level: 9, 10

Length of Course: 1 Year

1 Credit

This course meets university entrance requirements for lab science credit.

Biology is a lab based course which will address the following topics: ecology, biochemistry, cellular structure and function, cellular energy and reproduction, human inheritance, genetics and molecular genetics, natural selection, evolution, phylogeny and taxonomy, bacteria and viruses along with an introduction to plants and animals. Students will be expected to learn and demonstrate basic laboratory techniques and safety procedures. Students will also be exposed to critical reading and analysis along with technical writing skills. Some lab activities may require dissection.

Honors Biology

Course Code: SC200W

Grade Level: 9, 10

Length of Course: 1 Year

1 Credit -Weighted

Prerequisite: Recommended for incoming Freshmen with Algebra 1 credit

This course meets university entrance requirements for lab science credit. May be offered for dual enrollment credit.

Honors Biology will cover all of the concepts and procedures found in the standard Biology course. In addition, students will be introduced to a lab intensive course where critical reading and writing skills will be the foundation of all lab work. Students will be required to participate in weekly laboratory activities that drive the standards based concepts. Students will be exposed to a broader range of topics and will also be expected to demonstrate their deep understanding of how each biological concept is interrelated. This course is designed to prepare students for a professional career in a medical or scientific/engineering field.

Chemistry

Course Code: SC301

Grade Level: 10, 11, 12

Length of Course: 1 Year

1 Credit

Prerequisite: Lab Biology, currently in Geometry or higher recommended.

This course meets university entrance requirements for lab science credit.

Chemistry is the study of the composition of substances and the changes that they undergo. It includes the study of the properties of matter and the ways in which different substances interact, combine, and change. Some of the major topics that we will cover in this course include: the structure of the atom and the properties of subatomic particles, the role of electrons in chemical interactions, chemical bonding, the mole, the gas laws, chemical reactions, thermochemistry, equilibrium and reaction rates, and acids and bases. The overall goal of this course is that students will be able to apply an understanding of atomic and molecular structure to explain the properties of matter, and predict the outcomes of chemical and nuclear reactions. This is an Arizona Board of Reagent lab based course and counts towards graduation requirements.

Honors Chemistry

Course Code: SC301W

Grade Level: 10, 11, 12

Length of Course: 1 Year

1 Credit - Weighted

Prerequisite: Lab Biology, currently in Geometry or higher recommended.

This course meets university entrance requirements for lab science credit. May be offered for dual enrollment credit.

Honors Chemistry is the study of the composition of substances and the changes that they undergo. It includes the study of the properties of matter and the ways in which different substances interact, combine, and change. Some of the major topics that we will cover in this course include: the structure of the atom and the properties of subatomic particles, the role of electrons in chemical interactions, chemical bonding, the mole, the gas laws, chemical reactions, thermochemistry, equilibrium and reaction rates, and acids and bases. Honors Chemistry covers all of the topics of regular chemistry with more depth, as well as, several additional topics. Students in honors chemistry will participate in weekly inquiry based labs and will be required to synthesize technically written lab reports for each lab. This is an Arizona Board of Regents lab based course and counts towards graduation requirements.

AP Biology

Course Code: SC304W

Grade Level: 11, 12

Length of Course: 1 Year

1 Credit - Weighted

Fee: \$50

Prerequisite: Currently in Algebra II or higher, Biology and Chemistry.

This course meets university entrance requirements for lab science credit. May be offered for dual enrollment credit.

Adhering to the curricula recommended by the College Board and designed to parallel college level introductory biology courses, AP Biology courses stress basic facts and their synthesis into major biological concepts and themes. These courses cover three general areas: molecules and cells (including biological chemistry and energy transformation); genetics and evolution; and organisms and populations (i.e., taxonomy, plants, animals, and ecology). AP Biology courses include college-level laboratory experiments.

AP Chemistry

Course Code: SC401W

Grade Level: 10, 11, 12

Length of Course: 1 Year

1 Credit - Weighted

Fee: \$50

Prerequisite: Biology, Chemistry and currently in Algebra 2.

This course meets university entrance requirements for lab science credit. May be offered for dual enrollment credit.

AP Chemistry is a college level lab course based on the AP Chemistry Curriculum. In AP Chemistry students will follow the AP curriculum to learn about the fundamental concepts of chemistry at a much deeper level than they had before. They will study concepts such as structure and states of matter, intermolecular forces, and reactions and how to use chemical calculations to solve problems. In AP Chemistry students will develop their ability to think clearly and express their ideas with clarity and logic, both orally and in writing. They will work with classmates to conduct meaningful laboratory investigations that let them observe chemical reactions and substances, interpret their findings and communicate their results. This is a lab based course and counts towards graduation requirements. Students enrolled in this course will be required to take Advanced Placement exam at the end of the school year.

Environmental Science

Course Code: SC300

Grade Level: 12

Length of Course: 1 Year

1 Credit

Prerequisite: Biology and Chemistry

This course meets university entrance requirements for lab science credit.

This course will spend the first semester introducing students to the global environment. It will cover science, energy, ecosystems, and environmental issues. Students will learn to identify the cultural and social issues surrounding these areas. The second semester will focus on Arizona. Students will take the information they have learned from the first semester and apply it to the state. They will learn about current work being done to conserve our resources. They will also identify environmental needs in the state and design experiments to address these needs.

AP Environmental Science

Course Code: SC307W

Grade Level: 11, 12

Length of Course: 1 Year

1 Credit

Fee: \$50

Prerequisite: Biology and Chemistry

Dual enrollment credit may be offered for this course. Please see instructor. This course meets university entrance requirements for lab science credit.

The goal is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Students will be required to the Advanced Placement exam at the end of the school year.

Botany**Course Code: SC308****Grade Level:** 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Biology and Chemistry*Dual enrollment credit may be offered for this course. Please see instructor. This course meets university entrance requirements for lab science credit.*

Botany is an advanced biology course with a focus on plants. We will study plant anatomy (parts), plant physiology (function), horticulture (naming and classifying), plant ecology (interactions) and biomes, and we will also study native Arizona plant species and the basics of gardening. Many different kinds of activities combine to help the student build knowledge and skills in biological concepts as they relate to plants. Integrated throughout the course may be related topics in other areas such as Chemistry, Geology, and Sociology. This course will have a laboratory component in which students will conduct lab experiments and long term growth experiments. Lab results will be recorded in students' lab notebooks and written lab reports will be done to demonstrate connection of course content with collected data.

Human Anatomy and Physiology**Course Code: SC303****Grade Level:** 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Biology and Chemistry*This course meets university entrance requirements for lab science credit. May be offered for dual enrollment credit.*

Human Anatomy and Physiology concentrates on the study of the structure and function of the human body. Topics include scientific method, anatomical terminology, cells, tissues, integumentary system, skeletal system, muscular system, nervous system, endocrine system, circulatory system, lymphatic system, respiratory system, digestive system, urinary system and reproductive systems. Labs coincide with reading and lecture content and include the following: microscopic examination of tissues, anatomical exercises, physiological exercises and dissections of animal specimens.

Honors Human Anatomy and Physiology**Course Code: SC303W****Grade Level:** 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Lab Biology with a grade of "C" or better*This course meets university entrance requirements for lab science credit.*

Honors Human Anatomy and Physiology students will move at a faster pace, will answer more critical thinking and application questions, and take topics and lab exercises a step beyond the expectations set for Human Anatomy and Physiology students. Examples of topics Honors Anatomy and Physiology students study in addition to those outlined in the Human Anatomy and Physiology course description include: biochemistry as it relates to the body, identifying additional bones of the skull, identifying major muscles/muscle groups in the muscular system and identifying major blood vessels in the cardiovascular system. Inquiry based labs will require partial to full lab reports which will include written conclusion of statements based on detailed analysis of results.

Physics**Course Code: SC400****Grade Level:** 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Chemistry and currently in Algebra II or higher.*This course meets university entrance requirements for lab science credit.*

Students will study the concepts and laws of physics through efforts involving problem solving, experimentation, and design techniques and real world applications. Topics include linear and angular motions, statics, dynamics, kinematics, energy and momentum, electricity and magnetism, and light and color. Hands-on laboratory coursework will require conceptual knowledge and attention to detail. Students will also be introduced to engineering and engineering technology careers.

AP Physics I**Course Code: SC402W****Grade Level:** 11, 12**Length of Course:** 1 Year

1 Credit- Weighted

Fee: \$50**Prerequisite:** Chemistry and currently in Algebra II or higher.*This course meets university entrance requirements for lab science credit.*

AP Physics 1: Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. Students will be required to take Advanced Placement exam at the end of the school year.

AP Physics II**Course Code: SC403W****Grade Level:** 11, 12**Length of Course:** 1 Year

1 Credit- Weighted

Fee: \$50**Prerequisite:** AP Physics I*This course meets university entrance requirements for lab science credit.*

AP Physics 2: Algebra-Based is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. Students will be required to take the Advanced Placement exam at the end of the school year.

Social Studies

Pathway	9th Grade	10 th Grade	11 th Grade	12 th Grade
Standard	World History	Elective	US History	Government/ Economics (1 semester each)
Honors	AP Human Geography or Honors Ancient Civilizations	AP World History	AP US History	AP Government AP Economics

World History

Course Code: SS100

Grade Level: 9, 10

Length of Course: 1 Year

1 Credit

Students will analyze the human experience through time, recognize the relationship of events and people, and interpret significant patterns, themes, ideas, beliefs, and turning points in world history. The course of study includes Ancient Greeks/Romans, Medieval Times, Renaissance, Age of Revolution, WWI, WWII and the Modern World. Geographical, as well as chronological examination will be employed to facilitate the acquisition of this body of knowledge.

AP World History

Course Code: SS201W

Grade Level: 9, 10, 11, 12

Length of Course: 1 Year

1 Credit - Weighted

Fee \$50

Prerequisite: B or better in the previous year's Social Studies & English courses is recommended

Dual enrollment credit may be offered for this course. Please see instructor.

The AP World History Course is designed to develop a greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is developed through a combination of selective and factual knowledge and appropriate analytical and research skills. Students will examine relevant and factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence. Students will examine and analyze events that cover Africa, The Americas, Asia, Europe, and Oceania. This course will follow both the Arizona Academic and Advanced Placement standards. Students who take the course will be required to take the Advanced Placement World History exam.

US/ Arizona History

Course Code: SS300

Grade Level: 11

Length of Course: 1 Year

1 Credit

Dual enrollment credit may be offered for this course. Please see instructor.

This course will study the growth and development of the United States from independence to the present. Emphasis is on the founding principles of democracy and the experiences of the American people in transforming their society from colonies to a world power. Major topics presented will include: Revolutionary War, forming of a government, Westward expansion, Civil War, Reconstruction, Industrial Revolution, Spanish-American War, WWI, Depression, WWII, Cold War, and the Civil Rights Movement.

AP US History

Course Code: SS301W

Grade Level: 11, 12

Length of Course: 1 Year

1 Credit- Weighted

Fee \$50

Prerequisite: B or better in World History and English courses is recommended

Dual enrollment credit may be offered for this course. Please see instructor.

The AP United States History Course is designed to provide students with a comprehensive, analytical, and diversified knowledge in US/Arizona History, including the usage and familiarity of primary and secondary source documents. Throughout this course students will be challenged and expected to write detailed accounts arguing and defending key points and concepts in US History by creating thematic and DBQ essays as well as being well versed for discussion based learning. This course will follow both the Arizona Academic and Advanced Placement standards. Students who take the course will be required to take the Advanced Placement US History exam.

Economics**Course Code: SS400****Grade Level:** 12**Length of Course:** 1 Semester $\frac{1}{2}$ Credit

Students examine the areas of micro and macroeconomics by exploring the roles that individuals, businesses, and local, state and federal governments play in shaping economic decision making. All aspects of our economic system from the stock market to the Federal Reserve to consumer economics are studied. Additionally, they investigate comparative economic systems in order to understand the influence that each has in our global financial world. Emphasis is placed on critical analysis, individual and small group research, and causal relationships.

AP Economics**Course Code: SS403W****Grade Level:** 12**Length of Course:** 1 Semester $\frac{1}{2}$ Credit- Weighted**Fee \$50**

Dual enrollment credit may be offered for this course. Please see instructor.

AP Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

US/ Arizona Government**Course Code: SS401****Grade Level:** 12**Length of Course:** 1 Semester

1 Credit

This course provides students with the opportunity to understand the structure, development, and operation of the United States and Arizona governments. Students study the US and AZ Constitutions, the nature of federalism, the balance of powers, the right and liberties of citizens, and the political roles played by public opinion, the media, political parties, and other interest groups. Emphasis is placed on critical analysis, individual and small group research, and causal relationships.

AP US Government & Politics**Course Code: SS402W****Grade Level:** 12**Length of Course:** 1 Semester $\frac{1}{2}$ Credit- Weighted**Fee \$50**

Dual enrollment credit may be offered for this course. Please see instructor.

This is a survey course that provides an introduction into the operation of American national government. As such, we will examine the American system of government and its origins, political opinions, interests and behaviors, political organizations, to include parties, interest groups and mass media, the institutions of government and their role in making and enforcing public policy, civil liberties and civil rights, and finally, primary source materials and contemporary news analyses; ultimately, exposing you to these areas. It is our goal to foster the development of the analytical perspectives for interpreting, understanding, and explaining the political processes and events in our country. Students who take this course will be required to take Advanced Placement exam at the end of the school year.

Social Studies Electives

Honors Ancient Civilizations & Geography

Course Code: EL170W

Grade Level: 9

Length of Course: 1 Year

1 Credit - Weighted

This elective course is designed for 9th grade students pursuing an AP or Honors track in Social Studies with the idea that they will take AP World history in their 10th grade year. In this course, students will expand their understanding of history by studying the people and events that ushered in the dawn of the major Western and Eastern ancient civilizations. Geography is of special significance in the development of the human story. Continued emphasis is placed on the everyday lives, problems, and accomplishments of people, their role in developing social, economic, and political structures, as well as in establishing and spreading ideas that helped transform the world forever. Students develop higher levels of critical thinking by considering why civilizations developed where and when they did, why they became dominant, and why they declined. Students analyze the interactions among the various cultures, emphasizing their enduring contributions and the link, despite time, between the contemporary and ancient worlds.

AP European History

Course Code: EL202W

Grade Level: 10, 11, 12

Length of Course: 1 Year

1 Credit - Weighted

Fee: \$50

The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of the AP program in European History are to develop (a) an understanding of some of the principle themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. Students who take this course will be required to take Advanced Placement exam at the end of the school year.

Psychology I

Course Code: EL112A

Grade Level: 11, 12

Length of Course: 1 Semester

½ Credit

Prerequisite:

Offered at: QCHS/ EHS

Psychology I is a 1-semester elective course designed to introduce students to the science of human behavior. The course includes an introduction to psychology, its history and basic theories to explain behavior. Students will explore issues related to the brain and behavior, states of consciousness, stress, human development and learning, and a survey of different psychological therapies.

Psychology II

Course Code: EL112B

Grade Level: 11, 12

Length of Course: 1 Semester

½ Credit

Prerequisite: Psychology I is preferred but not required

Fee: \$30

Offered at: QCHS/ EHS

Psychology II is a 1-semester elective course designed to further students understanding of the science of human behavior. While it is preferred that students take Psychology I as an introduction to this course, it is not required. In this course students explore concepts related to social and cognitive psychology, theories of personality and abnormal behavior disorders.

AP Psychology

Course Code: EL200W

Grade Level: 11, 12

Length of Course: 1 Year

1 Credit-Weighted

Prerequisite:

Fee: \$50

Offered at: QCHS/ EHS

Dual enrollment credit may be offered for this course. Please see instructor.

The AP Psychology course is designed to prepare students to take the AP Psychology exam. This will be accomplished by introducing 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. Students who take this course will be required to take the Advanced Placement Psychology exam.

AP Human Geography**Course Code: EL201W****Grade Level:** 10, 11, 12**Length of Course:** 1 Year

1 Credit - Weighted

Prerequisite:

Fee: \$50

Human Geography is a yearlong course that studies the human population and how it affects migration, culture, language, religion, ethnicity, political geography, economies, industry, agriculture and urban geography. Global case studies are used to compare the US to the world as well as local situations. This course introduces the student to cultural geography through an examination of world, national and local regions with a focus on trends and issues, patterns of rural and urban land use, growth and development of cities, and economic development issues. Students who take this course will be required to take Advanced Placement exam at the end of the school year.

Other useful Sources: New York Times newspaper, The Economist, US Census Bureau

Special Education

The Special Education Program provides alternative forms of instruction for eligible students who are classified as in need of special education services. Emphasis is on improving basic alternative skills, study habits, career awareness, and social skills essential for employment. See the counselor for further information. These courses are offered to eligible students as determined by the Individualized Education Plan (IEP).

English 9 Resource**Course Code: EN500****Grade Level:** 9**Length of Course:** 1 Year

1 Credit

This course is designed for students with special needs who need to improve their language and reading skills as determined appropriately by the IEP team. Instructions will include grammar, usage, spelling, punctuation, sentence formation, paragraphing, and vocabulary. Other topics will include, but not be limited to, exploratory literature, vocational language skills, and basic library skills. Students will be introduced to the six traits of writing and introduction to different genres of writing including persuasive and narrative.

English 10 Resource**Course Code: EN501****Grade Level:** 10**Length of Course:** 1 Year

1 Credit

This course is designed for students with special needs who need to improve their language and reading skills as determined appropriately by the IEP team. Instructions will include grammar, usage, spelling, punctuation, sentence formation, paragraphing, and vocabulary. Other topics will include exploratory literature, vocational language skills, and basic library skills. Other areas will include reinforcement of the six traits, reinforcement of the writing process, group and individual formal and informal presentations.

English 11 Resource**Course Code: EN502****Grade Level:** 11**Length of Course:** 1 Year

1 Credit

This course is designed for students with special needs to further improve their language and reading skills as determined appropriately by the IEP team. Written and oral language will be emphasized and job acquisition skills will be expanded. Other areas will include refinement of the six traits of writing, focus on novels, short stories and poetry, oral assignments, and communication.

English 12 Resource**Course Code: EN503****Grade Level:** 12**Length of Course:** 1 Year

1 Credit

This course is designed for students with special needs to further improve their language and reading skills as determined appropriately by the IEP team. Written and oral language will be emphasized and job acquisition skills will be expanded. Other areas will include refinement of the six traits of writing, focus on the novel, short stories, and poetry with an emphasis on the critical analysis of the various genres of literature as well as exposing students to writing that will assist in transition from high school such as writing resumes, filling out applications, and interviewing skills.

Algebra I Resource**Course Code: MA501****Grade Level:** 9**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course is designed to present students with the basic concepts of algebra in a step-by-step approach. Students are introduced to simplifying and evaluating rational expressions, exponents and radicals, solving linear equations, inequalities, absolute values, coordinate plane, data representations, graphing, functions, probability, problem solving, and application.

Geometry Resource**Course Code: MA502****Grade Level:** 10**Length of Course:** 1 Year

1 Credit

Prerequisite: Algebra I Resource*This course may be repeated for credit but not for grade change.*

The course covers the basic concepts of Geometry. The major topics covered will include angle, line and circle relationships, polygons, congruent and similar triangles, perimeter; area, volume, transformations, tessellations, constructions, and problem solving. Students will need a compass and protractor.

Algebra II Resource**Course Code: MA510****Grade Level:** 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Geometry Resource*This course may be repeated for credit but not for grade change.*

This course is a continuation of the functions covered in Resource Algebra I. It will review the linear, quadratic, exponential, logarithmic, polynomial, rational, and radical functions. It will also include the complex number system, trigonometric functions, statistics, probability, and data analysis. This course will help students improve their college mathematics placement exam scores.

Algebra III Resource**Course Code: MA509****Grade Level:** 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Teacher/ Counselor placement only.*Meets university admission requirements.*

This course is a continuation of the functions covered in Resource Algebra II. It will review the linear, quadratic, exponential, logarithmic, polynomial, rational, and radical functions. It will also include the complex number system, trigonometric functions, statistics, probability, and data analysis. This course will help students improve their college mathematics placement exam scores.

Consumer Math Resource**Course Code: MA504****Grade Level:** 12**Length of Course:** 1 Year

1 Credit

*This course may be repeated for credit but not for grade change.**Meets university admission requirements*

Students will learn the business and personal finance skills needed for employment and continuing education. Students will apply mathematical concepts to practical life situations such as determining earnings, deductions, comparing unit prices, calculating discounts and percent saved, computing and paying a mortgage, paying bills with a checkbook, reconciling a checking account, preparing a budget, using circle graphs, and evaluating profits and losses.

Resource Study Skills**Course Code: EL521****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course is designed for a student with an Individual Education Plan (IEP) and in General Education classes. Students will have the ability to study, complete homework, projects, and finish daily classroom activities. Students will be exposed to study guide techniques such as note taking, time management and organization. A Special Education teacher provides small group instruction in class for all content areas as needed or in compliance to student's IEP.

Pathways English**Course Code: EN504****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

Pathways English is designed to develop knowledge and skills in the areas of reading and written language as described in a student's IEP and Arizona Academic Standards. The classroom environment is designed to enhance the behavioral/personal adjustment competencies necessary to provide a successful educational experience.

Pathways Math**Course Code: MA506****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

Pathways Math is designed to develop knowledge and skills in the areas of numerical and algebraic concepts as described in a student's IEP and Arizona Academic Standards. The classroom environment is designed to enhance the behavioral/personal adjustment competencies necessary to provide a successful educational experience.

Pathways Social Studies**Course Code: SS504****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

Pathways Social Studies is designed to develop knowledge and skills in the areas of the United States, Arizona, and World History as described in a student's IEP and Arizona Academic Standards. The classroom environment is designed to enhance the behavioral/personal adjustment competencies necessary to provide a successful educational experience.

Pathways Science**Course Code: SC505****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

Pathways Science is designed to develop knowledge and skills in the areas of Biology and General Science as described in a student's IEP and Arizona Academic Standards. The classroom environment is designed to enhance the behavioral/personal adjustment competencies necessary to provide a successful educational experience.

Pathways Study Skills**Course Code: EL532****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course is designed to enhance the development of social and emotional skills and study skills necessary for students to be successful in the regular education curriculum.

Pathways Vocations**Course Code: EL531****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

Pathways Vocations is designed to develop knowledge and skills in the areas of occupational and job related services as described in a student's IEP, Arizona Academic Standards, and specific transitional competencies. The classroom environment is designed to enhance the behavioral/personal adjustment competencies necessary to provide a successful educational experience.

Pathways Group**Course Code: EL530****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

Pathways Group is designed to develop knowledge and skills in the areas of social/emotional development, communication, and classroom behavior. Students learn how to interact with both peers and adults appropriately. The classroom environment is designed to enhance the behavioral/personal adjustment competencies necessary to provide a successful educational experience.

Academic Skills English**Course Code: EN505****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

In this course students will learn to read functional text, spelling, and learn vocabulary needed for basic independent living. Students will develop the skills to create their own resume, cover letters, thank you note, and letter of introduction. Learning basic reading skills will help students to take a driver's test, read menus, and cooking instructions.

Academic Skills Mathematics**Course Code: MA507****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course includes mathematical organizational skills and functional survival skill for everyday living for maximum independence and success in the community setting. Student learning will have emphasis in basic math concepts for independent living and survival in the workplace. Focus will include checking/savings accounts, budgets, money and time management.

Academic Skills Science**Course Code: SC503****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

Academic Skills Science is designed to develop knowledge and skills in the areas of Biology and General Science as described in a student's Individual Education Plan and Arizona State Standards. The classroom environment is designed to enhance the behavioral/personal adjustment competencies necessary to provide a successful educational experience.

Academic Skills Social Studies**Course Code: SS506****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

Academic Skills Social Studies is designed to develop knowledge and skills in the areas of the United States, Arizona, and World History as described in a student's Individual Education Plan and Arizona State Standards. The classroom environment is designed to enhance the behavioral/personal adjustment competencies necessary to provide a successful educational experience.

Academic Skills Health/Safety**Course Code: EL510****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course provides specific instruction on how the body works and the importance of personal hygiene. Students will learn about the dangers and effects of drugs to their bodies.

Academic Vocational Skills Training**Course Code: EL511****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course is designed to expose the student to understanding the value of post high school occupation and provide information on different careers. Students will participate in their own career interest inventory and develop strategies to enter into the workplace.

Academic Community Independence Skills**Course Code: EL512****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course provides the skills to understand the elements of civic duty in today's society. Students will learn about the responsibilities of citizenship and the possibilities of their participation in the community. Crime will be discussed and how to protect oneself in independent living, learn about zip codes, and how to resource civic services.

Vocational Education Training (VET)**Course Code: EL520****Grade Level:** 11, 12**Length of Course:** 1 Year

2 Credits

Prerequisite: Case Manager Recommendation*This course may be repeated for credit but not for grade change.*

This program will be offered to juniors and seniors who want to explore different kinds of jobs and volunteer work. The Vocational Education Training (VET) focuses on functional standards of workplace skills. Students enrolled in this program will explore and receive training in job readiness skills, domestic skills, office/clerical skills and social skills. This class will provide on-the-job coaching/volunteering in a variety of settings in the Eastmark area reinforcing the necessary skills to be employed in the workplace.

Life Skills English**Course Code: EN506****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course includes organizational skills, functional survival skills, with an emphasis on language/communication skills and reading needed for maximum independence and success in school, present and future community settings, and interactions with non - disabled peers and adults.

Life Skills Mathematics**Course Code: MA508****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course includes organizational skills and functional survival skills, with an emphasis on basic math skills for everyday living for maximum independence and success within school and community settings. Focus may include comparative shopping, money, time, budget, wages, savings, and checking accounts.

Life Skills Health/Safety**Course Code: EL508****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course provides instruction in activities that increases a student's ability to function with semi - independence in their daily life, within their present and future environments. Activities may include safety, personal care, food preparation, and meal planning.

Life Skills Vocational Skills Training**Course Code: EL501****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

In this course students will be trained to learn basic skills necessary to enter the work world and understand the role that they play in their community. The class covers adjustments to and comprehension of tasks, response to directions, work, quality, production, work behavior and attitudes and skills necessary to secure and hold employment. This class also provides on the job training in a variety of settings in the community.

Life Skills Community Independence**Course Code: EL502****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course provides opportunities for recreational/leisure activities within a community setting. Students will practice critical/functional skills in age appropriate activities.

Life Skills Science**Course Code: SC504****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course provides an introduction to basic scientific concepts and the development of a relationship that humans have with their environment. Students will receive some hands-on experience in the content area including the development of models to represent these basic scientific concepts (such as the orientation of our planet system).

Life Skills Social Studies**Course Code: SS505****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course provides the introduction to important people, historical facts and events that have had influences in American and World History. As a tool to understand these events, students will create hands-on models illustrating some of these events.

Life Skills Adaptive Physical Education**Course Code: PE500****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course is for students who cannot fulfill the requirements of a regular physical education class because of physical limitations, injury, or medical conditions.

Life Skills Introduction to Art**Course Code: FA500****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

This course may be repeated for credit but not for grade change.

This course provides the introduction to basic music appreciation, drama, visual arts, and creative arts. Students will explore the arts by creating hands-on models of the arts.

Unified Sports**Course Code: PE501****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: None*This course may be repeated for credit but not for grade change.*

This course is based on the Special Olympics Unified Sports Program. Unified Sports combines students with intellectual disabilities (athletes) and students without disabilities (partners) for sports training and competition. Unified Sports creates unique teammate bonds through sports experiences. These experiences create a culture of inclusion and foster understanding among students of all abilities. The sports include athletics, basketball, bocce, bowling, cheerleading, flag football, floor hockey, soccer, softball, tennis, and volleyball. Upon completion of the course, students will be able to identify specific rules, strategy, student diversity and health issues specific to a variety of sports and demonstrate proficiency in various movement forms. Students will have the opportunity to compete in Special Olympics Arizona Area and State Games. All students must complete appropriate medical and consent forms.

Reading Lab**Course Code: EL540****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: None*This course may be repeated for credit but not for grade change.*

This course is designed to be an intensive, intervention-based reading program. The purpose of this program is to increase spelling, word attack, and fluency. This class will use teach reading strategies that include systematic and direct instruction in Reading Fluency, Reading Comprehension, Phonics, Phonological awareness, spelling and writing. These systematic and direct instruction strategies will also include multi-sensory activities to reinforce and teach concepts. Placement for this class will be based on IEP team decision.

Language Arts Lab 9**Course Code: EL541****Grade Level:** 9**Length of Course:** 1 Year

1 Credit

Prerequisite: None*This course may be repeated for credit but not for grade change.*

This course is designed to provide students with additional support for their Language Art courses. The teacher will provide direction instruction for the various reading, writing and grammatical tasks required in general education language arts classes. This course will provide specialized instruction for students who have a skill deficit in the areas or reading and writing. This course is designed to be taken concurrently with a general education English class; however, a student can take this class without enrolling in a general education English class is agreed upon by the IEP team. Placement for this class will be based on IEP team decision.

Language Arts Lab 10**Course Code: EL542****Grade Level:** 10**Length of Course:** 1 Year

1 Credit

Prerequisite: None*This course may be repeated for credit but not for grade change.*

This course is designed to provide students with additional support for their Language Art courses. The teacher will provide direction instruction for the various reading, writing, and grammatical tasks required in general education language arts classes. This course will provide specialized instruction for students who have a skill deficit in the areas or reading and writing. This course is designed to be taken concurrently with a general education English class; however, a student can take this class without enrolling in a general education English class is agreed upon by the IEP team. Placement for this class will be based on IEP team decision.

Language Arts Lab 11**Course Code: EL543****Grade Level:** 11**Length of Course:** 1 Year

1 Credit

Prerequisite: None*This course may be repeated for credit but not for grade change.*

This course is designed to provide students with additional support for their Language Art courses. The teacher will provide direction instruction for the various reading, writing and grammatical tasks required in general education language arts classes. This course will provide specialized instruction for students who have a skill deficit in the areas or reading and writing. This course is designed to be taken concurrently with a general education English class; however a student can take this class without enrolling in a general education English class is agreed upon by IEP team. Placement for this class will be based on IEP team decision.

Language Arts Lab 12**Course Code: EL544****Grade Level:** 12**Length of Course:** 1 Year

1 Credit

Prerequisite: None*This course may be repeated for credit but not for grade change*

This course is designed to provide students with additional support for their Language Art courses. The teacher will provide direction instruction for the various reading, writing, and grammatical tasks required in general education language arts classes. This course will provide specialized instruction for students who have a skill deficit in the areas or reading and writing. This course is designed to be taken concurrently with a general education English class; however a student can take this class without enrolling in a general education English class is agreed upon by IEP team. Placement for this class will be based on IEP team decision.

Algebra I Lab**Course Code: EL545****Grade Level:** 9**Length of Course:** 1 Year

1 Credit

Prerequisite: None*This course may be repeated for credit but not for grade change*

This course is designed to provide students with additional support for their Algebra I course. The teacher will provide direction instruction for math calculation and math problem solving. This course will provide specialized instruction for students who have a skill deficit in the areas of math. This course is designed to be taken concurrently with a general education math class; however a student can take this class without enrolling in a general education math class is agreed upon by IEP team. Placement for this class will be based on IEP team decision.

Geometry I Lab**Course Code: EL546****Grade Level:** 10**Length of Course:** 1 Year

1 Credit

Prerequisite: None*This course may be repeated for credit but not for grade change*

This course is designed to provide students with additional support for their Geometry course. The teacher will provide direction instruction for math calculation and math problem solving. This course will provide specialized instruction for students who have a skill deficit in the areas of math. This course is designed to be taken concurrently with a general education math class; however a student can take this class without enrolling in a general education math class is agreed upon by IEP team. Placement for this class will be based on IEP team decision.

Algebra II Lab**Course Code: EL548****Grade Level:** 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: None*This course may be repeated for credit but not for grade change*

This course is designed to provide students with additional support for their Algebra II course. The teacher will provide direct instruction for math calculation and math problem solving. This course will provide specialized instruction for students who have a skill deficit in the areas of math. This course is designed to be taken concurrently with a general education math class; however, a student can take this class without enrolling in a general education math class as agreed upon by an IEP team. Placement for this class will be based on IEP team decision.

Passport English**Course Code: EL550****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: None*This course may be repeated for credit but not for grade change*

Passport English is designed to develop knowledge and skills in the areas of reading and written language as described in a student's IEP and Arizona Academic Standards. The classroom environment is designed to enhance the emotional/personal adjustment competencies necessary to provide a successful educational experience.

Passport Math**Course Code: MA550****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: None*This course may be repeated for credit but not for grade change*

Passport Math is designed to develop knowledge and skills in the areas of numerical and algebraic concepts as described in a student's IEP and Arizona Academic Standards. The classroom environment is designed to enhance the emotional/personal adjustment competencies necessary to provide a successful educational experience.

Passport Social Studies**Course Code: SS550****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: None*This course may be repeated for credit but not for grade change*

Passport Social Studies is designed to develop knowledge and skills in the areas of United States, Arizona, and World History as described in a student's IEP and Arizona Academic Standards. The classroom environment is designed to enhance the emotional/personal adjustment competencies necessary to provide a successful educational experience.

Passport Science**Course Code: SC550****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: None*This course may be repeated for credit but not for grade change*

Passport Science is designed to develop knowledge and skills in the areas of Biology and General Science as described in a student's IEP and Arizona Academic Standards. The classroom environment is designed to enhance the emotional/personal adjustment competencies necessary to provide a successful educational experience.

Passport Study Skills**Course Code: EL551****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: None*This course may be repeated for credit but not for grade change*

This course is designed to enhance development of social and emotional skills and study skills necessary for students to be successful in the regular education curriculum.

Passport Group**Course Code: EL550****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: None*This course may be repeated for credit but not for grade change*

Passport Group is designed to develop knowledge and skills in the areas of social/emotional development, communication, and classroom behavior. Students learn how to interact with both peers and adults appropriately. The classroom environment is designed to enhance the emotional/personal adjustment competencies necessary to provide a successful educational experience.

World Languages

*Spanish I credit will be awarded to students that complete Honors Spanish in the 8th grade while attending Newell Barney Middle School or Queen Creek Middle School. The class will count as high school core credit if the student passes with a "C" or above in each semester. If a student receives a grade lower than a "C", the student must pass the district proficiency assessment to earn that semester(s) credit

American Sign Language I

Course Code: WL102

Grade Level: 9, 10, 11, 12

Length of Course: 1 Year

1 Credit

Fee: \$20

Dual enrollment credit may be offered for this course. Please see instructor.

This is an introductory class focusing on beginning conversational skills. The course is based on a natural acquisition approach to language education. The class focuses on developing basic knowledge of and beginning skills in the conversational use of American Sign Language. This course meets the foreign language requirement for In-State Universities.

American Sign Language II

Course Code: WL202

Grade Level: 10, 11, 12

Length of Course: 1 Year

1 Credit

Fee: \$20

Dual enrollment credit may be offered for this course. Please see instructor.

American Sign Language II is a continuation of American Sign Language I. Continued practice in conversational Sign Language will be the focus of the course. New vocabulary and grammar will be introduced. Also, students will look more closely into deaf culture and its effects on the language. This course meets the foreign language requirement for In-State Universities.

Spanish I

Course Code: WL100

Grade Level: 9, 10, 11, 12

Length of Course: 1 Year

1 Credit

Fee: \$20

Students will learn basic vocabulary related to people, places, things and actions close to their own lives. They will express themselves in phrases, short sentences and memorized material exhibiting an emerging control of the most common basic grammatical forms and structures. Their written language will reflect what they can say. Students will gain an understanding and appreciation of the diversity of language and cultures.

Spanish II

Course Code: WL200

Grade Level: 9, 10, 11, 12

Length of Course: 1 Year

1 Credit

Prerequisite: Spanish I or demonstrated competency

Fee: \$20

Students will continue to learn vocabulary related to people, places, things and actions close to their own lives. Students will speak and write extemporaneously using short sentences and sentence strings on topics within their experience with the language. They will describe and answer questions; engage in simple conversations; and carry out simple realistic functions. In their written language, students will practice expressing their ideas more accurately using correct spelling and punctuation. Students will continue to gain an understanding and appreciation of the diversity of language and cultures.

Honors Spanish III

Course Code: WL310W

Grade Level: 10, 11, 12

Length of Course: 1 Year

1 Credit-Weighted

Prerequisite: Spanish I & II or demonstrated competency.

Fee: \$20

Students will build proficiency through the use of real world materials, such as films, broadcasts, newspaper and magazine articles, and contemporary literature. They will build on skills from previous Spanish classes to become more effective communicators. In written work, students will learn to express themselves in different ways and tailor arguments to different audiences. Students will continue to gain an understanding of the diversity of language and cultures.

AP Spanish Language and Culture**Course Code: WL404W****Grade Level:** 11, 12**Length of Course:** 1 Year

1 Credit-Weighted

Prerequisite: Spanish III or demonstrated competency.**Fee:** \$50

As per the College Board, this fourth-year Spanish course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. Additionally, this course engages students in an exploration of culture in both contemporary and historical contexts. Students will develop an awareness and appreciation of cultural products (tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, assumptions). To best facilitate the study of language and culture, this course is taught almost exclusively in Spanish. The AP-based curriculum is used to prepare students for the Advanced Placement Spanish Language and Culture Exam required at the end of the school year.

Mandarin Chinese I**Course Code: WL103****Grade Level:** 9, 10, 11, 12**Length of Course:** 1 Year

1 Credit

Fee: \$20

This course will introduce students to the basic vocabulary, alphabet of Mandarin and the culture of China. Emphasis will be on listening, comprehension, and simple conversational skills. It will prepare the student to begin to read, write, speak and understand the language.

Mandarin Chinese II**Course Code: WL203****Grade Level:** 10, 11, 12**Length of Course:** 1 Year

1 Credit

Prerequisite: Mandarin Chinese I or equivalent study**Fee:** \$20

This course will continue to build upon the basic vocabulary, grammar and conversation skills the students learned in the first year. Emphasis will be on daily dialogue practicing, short article/story reading, and free journal writing. Students also will explore further knowledge about Chinese history, culture, geography and current events.

Main Campus: 1601 W Main St, Mesa, AZ 85201 | (480) 461-4000
East Campus: 6625 S Power Rd, Mesa, AZ 85212 | (480) 308-4600
Fountain Hills Campus 17300 E. Calaveras Ave., Fountain Hills AZ 85268 | (480) 835-3100

[EVIT Website](#) | [EVIT Facebook](#) | [EVIT Twitter](#)

Frequently Asked Questions

What is EVIT?

The East Valley Institute of Technology (EVIT) is a public career and technical education school providing more than 40 occupational training programs tuition-free to district, charter school and home-schooled high school students who reside within the boundaries of 11 East Valley school districts - Apache Junction, Chandler, Fountain Hills, Gilbert, Mesa, Queen Creek, Scottsdale, Tempe, Higley, Cave Creek and J.O. Combs. Classes are offered at two centralized campuses in Mesa - the Dr. A. Keith Crandell (Main) Campus, 1601 W. Main St., the East Campus, 6625 S. Power Road, the Fountain Hills Campus, 17,300 E. Calaveras Ave., and at Apache Junction High School. Students spend a half-day at EVIT and the other half-day at their home high school. School districts provide bus transportation for their students to and from EVIT for most programs. Students must be at least 16 years old. Tuition-based programs for adults are also offered, with financial aid available.

EVIT's Mission

To provide students a career and college preparatory training experience that produces a qualified workforce, meeting the market-driven needs of business and industry.

EVIT's Vision

Students successfully complete their EVIT experience with industry credentials, college credit and hands-on training, allowing them to become competitive in the global workforce.

EVIT's Purpose

To change students' lives by loving our students and serving our communities. To empower and encourage our students to become productive and passionate about their future career and educational goals.

Business/Industry and College Articulation

EVIT offers many school-to-work options with participating businesses, including manufacturing, automobile dealerships, hospitals and many others. Advanced students may have opportunities in industry and community colleges in the form of job placement, apprenticeships, internships, cooperative education and college credit articulation.

Career & Technical Student Organizations

All EVIT students participate in a Career & Technical Student Organization. Membership in state and national clubs is encouraged:

SkillsUSA	Technical, skilled, and service careers
FCCLA	Family, Career, and Community Leaders of America
HOSA	Future health Professionals
C-CAP	Careers in Culinary Arts Program
ERA	Educators Rising Arizona
FBLA	Future Business Leader of America

When do students register?

Students are encouraged to apply for EVIT programs during the spring semester prior to classes that begin in August, but registration for classes is ongoing. EVIT registration opportunities are offered during regular high school registration, any time through the home high school at EVIT Locations or on EVIT.com. Each high school has at least one designated counselor with materials and information regarding EVIT registration. For more information, call 480-461-4000 or visit EVIT.com.)** EVIT will be moving to an online only model this school year. Paper application will still be accepted but we encourage students to use our online portal. (available November 4, 2019)**

What is needed to register?

Students will need a copy of their transcript, the results of a recognized standardized test such as the Stanford 10 or AIMS/AZMerit if the student does not meet minimum program GPA requirements, and attendance and discipline records or a completed Attendance and Discipline Scoring Rubric.

How many credits can be earned?

A student can earn 3-4 credits per year at EVIT applicable toward graduation requirements in their home district. Students who miss ten (10) days or more during a semester and are unable to make up those days will receive a grade of "Audit" for the semester. Students who fulfill the graduation requirements from their home district earn a diploma from their home high school. Community college articulation and/or dual enrollment credit is in place for high school students in designated courses.

Do the credits from EVIT just count as electives?

Generally, credits earned at EVIT fulfill only elective credit requirements for graduation. Human Anatomy and Physiology for Medical Careers (MC10) counts as a lab science, having been approved by the Arizona Board of Regents and the home high school districts as what is called an "embedded credit." It is recognized and accepted at all Arizona universities as part of the entrance requirements. For the year-long course, students earn one (1) lab science credit and two (2) elective credits for a total of three (3) credits. EVIT staff are working to get other EVIT program courses recognized as fulfilling core academic graduation requirements.

What time are classes?

Classes meet Monday through Friday from 8:05 to 10:35 a.m. or 12:05 to 2:35 p.m. Students have the option of attending the AM or PM session. They attend their home school during the other portion of the day. The class times for some programs, such as Cosmetology, may be extended to meet state certification requirements.

Are there fees?

EVIT is tuition-free for high school students. Class fees vary by program and are based on the cost of required tools, supplies/materials, certification/licensure exams and career and technical student organization (CTSO) membership.

Are classes at EVIT offered to adults?

Classes are available and open to adult students during the daytime, as space permits, and in the evening for some courses. Tuition is charged for adult students. For more information about programs for adult students, please contact the EVIT Adult Education Center at (480) 461-4108 or (480) 461-4025 or visit www.evit.com/adulted.

EVIT High School Programs by Campus

Course Code	Program Name	Main	East	A.J.	F.H.	Page
DA10	3D Animation	X			X	14
CS14	Aesthetics	X				11
AM10	Automotive Technologies	X				15
AV05	Aviation		X			15
BK10	Banking and Financial Services	X				12
CS15	Barbering	X				11
MC65	Behavior, Mental and Social Health Services	X	X			10
IT12	Networking & Cyber Security	X	X		X	7
IT13	Computer Programming, Coding and Mobile App Design	X				7
AB10	Collision Repair	X				16
CU20	Commercial Baking and Pastry Arts	X				11
CT10	Construction	X		X		13
CS10	Cosmetology	X	X			11
LE10	Criminal Justice	X				15
CU10	Culinary Arts	X		X		12
MC60*	Dental Careers	X				8
AM63	Diesel Technologies	X				16
IT11	Digital Device Diagnostic and Repair	X				7
CC10	Early Childhood Education	X				12
MC55*	Emergency Medical Technician	X				8
FIT11	Fashion Design & Merchandising	X				12
FIT12	Interior Design & Merchandising	X				13
FF10	Fire Science	X				15
IT60	Future Engineers		X			7
MM30	Graphic/Web Design (Multimedia/Photography)	X			X	14
AC10	Heating, Ventilation and Air Conditioning (HVAC)	X				13
MC77*	Home Health Aide*	X				8
HM10	Hospitality Management	X				12
MC10	Human Anatomy & Physiology for Medical Careers	X	X		X	8
MT10	Machining Technology	X				13
MA05	Massage Therapy	X				9
MC20*	Medical Assistant*	X	X			9
MC30*	Nursing Assistant*	X	X		X	9
MC57*	Occupational Therapy Aide*	X				11
MC43*	Pharmacy Technician*	X				10
MC45*	Physical Therapy Technician*	X				10
PLB10	Plumbing	X				13
RB10	Radio/Audio Production	X				14
MC44	Veterinary Assistant		X			10
TV10	Video Production	X			X	15
WD10	Welding	X		X		14

*These are second-year courses. Please see pre-requisites.

EVIT Counseling and Admissions

High School & Adult

Registrar-Andrea Macias

Main Campus: 480-461-4108 amacias@evit.com

High School Counselor-James Martinez

Course Scheduling, Grades, Transcripts, Data Collection & Management, Bi-Lingual

Services Special Projects: Credit Recovery, High School Scholarships

Main Campus: 480-461-4159 jmartinez@evit.com

High School Counselor-Jacob Hansen

Main Campus: 480-461-4161 jhansen@evit.com

Special Projects: McKinney-Vento, Keys, High School Recruitment

High School Counselor-David Pullman

Special Projects: Dual Enrollment, High School Scholarships

East Campus: 480-308-4607 dpullman@evit.com

High School Career Coach-Cassi Perez

Specialized Schools: Tempe, McClintock, Marcos, Corona, Desert Vista, Mountain Pointe, Dobson, Mesquite, Chandler, Hamilton, Basha, Perry, Campo Verde, Williams Field, Higley, Casteel and Charter Schools

Main & East Campus: 480-461-4162 cperez@evit.com

High School Career Coach-Molly Severseon

Specialized Schools: Fountain Hills, Desert Mountain, Chaparral, Saguaro, Coronado, Arcadia, Apache Junction, Westwood, Mesa, Mountain View, Red Mountain, Skyline, J.O Combs, Desert Ridge, Highland, Gilbert, Queen Creek and Charter Schools

Main & East Campus: 480-461-4086 mseverson@evit.com

STEPS - Special Education & IEP/504 Coordinator-Tony Niccum

Special Projects: Keys to Success Foster Program, Behavioral Health, Social Services

Main & East Campus: 480-461-4154 tniccum@evit.com

Special Education Administrative Assistant-Anita Aguinaga

Special Projects: IEP/504 Accommodations Coordinator & Services

Main Campus: 480-461-4155 aaguinaga@evit.com

Digital Photography

MM02 Digital Photography I (FH Campus) 2 Semesters

Photography 1 is a program that prepares students interested in starting their own photography business or pursuing a career in a digital photography related field. Students will be challenged to utilize the latest digital photographic cameras and manipulate light, shadow, and surrounding objects to capture images. Students use Adobe Lightroom, Adobe Photoshop, and Adobe Illustrator to manipulate the images in unique and creative formats. Students work both individually and in teams to create layouts, portfolios, projects, etc. Students can receive their Adobe Certified Associate (ACA) in Photoshop.

Pre-Requisites: At least 6 high school credits, including 1 Math & 1 English credit: all 'C' or better
2.0 GPA or equivalent standardized test scores

MM03 Digital Photography II (FH Campus) 2 Semesters

This is a project-intense course that builds upon the knowledge and skills gained in Photography 1. New concepts of lighting, color, composition and design will be applied to such fields as portraiture, photojournalism, still life product shooting and graphic design. Lighting techniques are taught in detail including studio electronic flash lighting, color gels, and continuous lighting. The working methods of the professional photographer are explored in preparation for real world applications.

Pre-Requisites: MM02

Graphic/Web Design

MM30 Graphic/Web Design I 1 Semester

This course will prepare students interested in pursuing graphic/web design and digital photography through multimedia related fields. Students will be challenged to learn the graphic design principles; line, shape, pattern, form and color theory. As well as, typography, digital photography, digital Pre-Press, and 2D animation. Students will use Adobe Illustrator, Lightroom, Photoshop, Animate, InDesign and DSLR Cameras to manipulate images in unique and creative formats and develop commercial art-related specification sheets for assignments, social media applications and client-based projects.

Please note: Dual enrollment for college credits is available.

Pre-Requisites: At least 6 high school credits, including 1 Math & 1 English credit: all 'C' or better
2.0 GPA or equivalent standardized test scores

MM35 Graphic/Web Design II 1 Semester

This course will prepare students by learning traditional coding in HTML, CSS, Java scripting and the basics of the Internet as it pertains to visual communications and web page design. Web optimization and web page marketing techniques will be shared, along with Adobe Dreamweaver and third party drop and drag web based software for developing successful web construction. Students work individually and in teams to learn how to build digital portfolios and resumes for real-world application. Students may also be eligible for an in-class internship with EVIT's Digital Print Studio.

Please note: Dual enrollment for college credits is available.

Pre-Requisites: MM30

CC20 Early Childhood Education II 1 Semester

Students continue advanced studies in child psychology & development. They continue to learn how to create developmentally appropriate lesson plans, classroom management & discipline techniques. Students will continue to receive hands-on experience working with our on-site school and surrounding head start programs.

Please note: Dual enrollment for college credits is available. Students must obtain a Fingerprint Clearance card at age 18.

Pre-Requisites: CS10

CC25 Early Childhood Education III 2 Semesters

Students continue advanced studies in child psychology & development. They write and deliver lesson plans with our on-site preschool or surrounding area head starts. Students are assigned/apply for internship opportunities during the second half of the school year. Students that qualify may select the opportunity to earn their Child Development Associate (CDA) national certification upon completion of this program and the necessary requirements.

Please note: Dual enrollment for college credits is available. Students must obtain a Fingerprint Clearance card at age 18.

Pre-Requisites: CS20

ENGINEERING SCIENCES

Future Engineers

IT60 Future Engineers I 1 Semester

This is a project based course that will allow students to discover the tools and technologies engineers use to design and build using math and science coupled with their ingenuity. They will be introduced to the field of Engineering through the use of lecture, lab work, guest speakers and visits to industry. The course is built on understanding the relevancy and application of mathematics, science, and technology to solve engineering problems surrounding the disciplines of Civil, Electrical, Mechanical, Chemical, Environmental, Biomedical Engineering and Engineering Technology.

Pre-Requisites: 6 high school credits, including 1 Science credit: 'B' or better, 1 English credit: 'C' or better, 1 Advanced Algebra credit: 'C' or better, and concurrent enrollment in another Math course
On track for graduation
2.5 GPA or equivalent standardized test scores

**IT61/IT62 Future Engineers II/III 1 Semester
(2 quarters: Q3/Q4)**

Students will continue to solve problems, design and build; using tools & technologies of the trade. The students will also be introduced to Manufacturing Technology and programming skills, including CAD, EXCEL and 3D printing.

Pre-Requisites: IT60

This is a project based course culminating in a capstone project. Students will design, develop and construct their project.

Pre-Requisites: IT62

Machining Technology

MT10 Machining Technology I

1 Semester

The Precision Machining program is designed to introduce students to basic precision manufacturing and advanced machining principles and technical skills. Upon program completion students will be prepared in the following instructional areas: manufacturing systems, production planning, information systems, quality control, documentation, technical problem solving, management, predictive/preventive maintenance, and automated manufacturing. Students will have the opportunity to earn industry-recognized certifications such as NCCER Level 1 and MSSC Level 1 which can lead to the Certified Production Technician (CPT) certification, NIMS Level 1 certification, or ASQ quality certification. The program is comprised of two core courses and a specific course in Computer Numeric Control (CNC) Precision Machining. The program uses a delivery system made up of four integral parts: formal/technical instruction, experiential learning, supervised occupational experience, and the Career and Technical Student Organization, SkillsUSA.

Pre-Requisites: At least 6 high school credits, including 1 Math credit 'C' or better
2.0 GPA or equivalent standardized test scores

ENGINEERING SCIENCES

MT20/30 Machining Technology II

**1 Semester
(2 quarters: Q3/Q4)**

Advanced studies in precision manufacturing and advanced machining principles and technical skills. Completion of level 1 NIMS certifications in manual milling, manual Lathe operations, and Safety, maintenance and materials

Pre-Requisites: MT10

MT35 Machining Technology III

2 Semesters

Continuation of advanced studies in advanced machining principles and technical skills in CNC programming, set up and operation. Production planning and Quality control and Inspection. Students will complete certification testing.

Pre-Requisites: MT30

FINANCE

Banking and Financial Services

BK10 Banking and Financial Services I

1 Semester

Prepare for a career in the banking industry, working in a bank branch, credit union and potentially as a bank executive. Students will learn the back-end and front-end operation of a bank or a credit union branch. Students will learn to analyze customer profiles and to sell bank products. The course includes both an in-class academic component, as well as a hands-on experience that includes the operation of an actual credit union branch under the supervision of banking professionals.

Pre-Requisites: At least 6 high school credits, including 2 Math and 1 English credit
2.0 GPA or equivalent standardized test scores

Students continue learning valuable finance tools and customer service protocols while completing an internship. Student will spend two days a week working at a local bank and/or credit union and the others days in the academic classroom.

Pre-Requisites: Successful completion of BK10

INFORMATION TECHNOLOGIES

Networking Academy & Cyber Security

IT12 Introduction to Networking & Cyber Security 1 Semester

This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced. Students will build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. They will also learn architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. Configuration and troubleshooting routers and switches and resolving common issues with RIPv1, RIPv2, single-area and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks. Preparation for Cisco CCNA certification examination.

Please note: 8 Dual Enrollment for college credits is available

Pre-Requisites: At least 6 high school credits, including 1 Math & 1 English credit: all 'C' or better
2.0 GPA or equivalent standardized test scores

IT20 Networking Academy & Cyber Security 1 Semester

This course continues with studies in the architecture, components, and operations of routers and switches in large and complex networks. Configuring routers and switches for advanced functionality. Configuring and troubleshooting routers and switches and resolving common issues with OSPF, EIGRP, and STP in both IPv4 and IPv6 networks. Developing the knowledge and skills needed to implement a WLAN in a small-to-medium network Wide Area Network (WAN) technologies and network services required by converged applications in a complex network. Criteria selection of network devices and WAN technologies to meet network requirements. Configuring and troubleshooting network devices, and resolving common issues with data link protocols issues, and developing the knowledge and skills needed to implement Internet Protocol Security (IPSec) and Virtual Private Network (VPN) operations. Preparation for Cisco CCNA certification examination.

Please note: 8 Dual Enrollment for college credits is available

Pre-Requisites: IT12

IT22 Cyber Security I 1 Semester

The CompTIA Security+ certification is a vendor-neutral credential. The CompTIA Security+ exam is an internationally recognized validation of foundation-level security skills and knowledge, and is used by organizations and security professionals around the globe. The CompTIA Security+ exam will certify the successful candidate has the knowledge and skills required to install and configure systems to secure applications, networks, and devices; perform threat analysis and respond with appropriate mitigation techniques; participate in risk mitigation activities; and operate with an awareness of applicable policies, laws, and regulations. The successful candidate will perform these tasks to support the principles of confidentiality, integrity, and availability. This course will build a foundation necessary for the development of a career as a security professional. The student will be expected to perform research, actively participate in a collaborative environment, learn and use Linux skills, understand Networking principles, as well as learn and implement Security Best Practices.

This course will focus on the following topics: Technologies and Tools, Architecture and Design, Identity and Access Management, Risk Management. Additionally, this course will build a foundation for Linux System proficiency. Students will learn and employ security research method and procedures in order to create their cyber security threat picture awareness.

Please note: Dual Enrollment for college credits is available

Pre-Requisites: IT20 or networking course from home school (or instructor approval)

IT23 Cyber Security II 1 Semester

The CompTIA Security+ certification is a vendor-neutral credential. The CompTIA Security+ exam is an internationally recognized validation of foundation-level security skills and knowledge, and is used by organizations and security professionals around the globe. The CompTIA Security+ exam will certify the successful candidate has the knowledge and skills required to install and configure systems to secure applications, networks, and devices; perform threat analysis and respond with appropriate mitigation techniques; participate in risk mitigation activities; and operate with an awareness of applicable policies, laws, and regulations. The successful candidate will perform these tasks to support the principles of confidentiality, integrity, and availability. This course will build a foundation necessary for the development of a career as a security professional. The student will be expected to perform research, actively participate in a collaborative environment, learn and use Linux skills, understand Networking principles, as well as learn and implement Security Best Practices.

This course will focus on the following topics: Threats, Attacks and Vulnerabilities, Identity and Access Management, Cryptography and PKI. Additionally, this course will build upon the Linux training provided in the First Semester Course with an emphasis on Security and Penetration Testing Tools. Students will be tasks to employ security research skillset to build upon their cyber security threat picture awareness.

Pre-Requisites: IT22

Coding and Mobile Application Design

IT13 Introduction to Computer Programing and Coding 1 Semester

First Semester Coding students will be able to identify and explain computer components and operations, explain the software development life cycle, use the American Standard Code for Information Interchange. (ASCII) and Unicode Consortium code, perform computations using decimal, binary, octal, and hexadecimal number systems, design console and graphical user interfaces and reports, design programs using structured and object-oriented design tools, design and write programs using the various control structures, explain structured programming techniques, and describe how they are embodied in object-oriented programming techniques and differentiate between procedural, object-oriented, and event- driven programming.

Please note: Dual Enrollment for college credits is available.

Pre-Requisites: At least 6 high school credits, including 1 Science credit: 'C' or better, 1 Algebra credit: 'C' or better, 1 Geometry credit: 'C' or better, 1 English credit: 'C' or better
2.0 GPA or equivalent standardized test scores

IT40 Computer Program Coding and Mobile Application Design I 1 Semester

Second semester coding students will use OOP features to design and write programs using arrays, use OOP features to design and write classes that have public and private properties and behaviors including constructors and destructors, use OOP features to design and write programs that create and manipulate objects, explain method overloading and overriding and explain the principles of single and multiple inheritances in object oriented programming. Students will take certification exam for C#

Pre-Requisites: IT13

IT45 Computer Program Coding and Mobile Application Design II 2 Semesters

Year 2 Coding students will be able to explain the evolution of C# and basic computer components, describe the software development process, use predefined data types to declare and manipulate variables and arrays, use operators in arithmetic and Boolean expressions, design and develop object-oriented programs using various flow control structures and functions, describe object-oriented concepts, design and develop programs using classes and object-oriented programming techniques, process various input and output, debug simple and complex programming errors, use standard pre-processor commands and create graphical applications. Students will take certification exam for Python.

Pre-Requisites: IT40

[Digital Device Diagnostic and Repair](#)

IT11 Introduction to Digital Device Diagnostic and Repair 1 Semester

Learn the skills necessary to obtain ComTIA A+ Certification, an International industry credential for computer service technicians. Hands-on classroom training includes installation, configuration and upgrading of hardware and software. They develop troubleshooting and basic network skills. Course includes training in Microsoft Office. Students also learn how to repair devices such as iPad, iPhones, gaming consoles and many more. Students participate in SkillsUSA and Arizona Students Recycling Used Technology (AZstRUT), which teaches valuable skills and provides quality refurbished computers to schools and non-profit organizations across Arizona.

Please note: Dual Enrollment for college credits is available.

Pre-Requisites: At least 6 high school credits, including 1 Math & 1 English credit: all 'C' or better
2.0 GPA or equivalent standardized test scores

IT30 Digital Device Diagnostic and Repair I 1 Semester

Continue to learn the skills necessary to obtain ComTIA A+ Certification, an International industry credential for computer service technicians. Hands-on classroom training includes installation, configuration and upgrading of hardware and software. They develop troubleshooting and basic network skills. Course includes training in Microsoft Office. Students also learn how to repair devices such as iPad, iPhones, gaming consoles and many more. Students participate in SkillsUSA and Arizona Students Recycling Used Technology (AZstRUT), which teaches valuable skills and provides quality refurbished computers to schools and non-profit organizations across Arizona.

Please note: Dual Enrollment for college credits is available.

Pre-Requisites: IT11

IT35 Digital Device Diagnostic and Repair II 2 Semesters

D3R: Perfect the skills learned in Intro to D3R. In this course you will put into practice the knowledge you gained in the previous year by running the iTec store and performing tech support and repairs for the public. Students in course will also act as mentors to the first year students. By the end of this course you will complete the CompTIA A+ certification exam.

Please note: Dual Enrollment for college credits is available.

Pre-Requisites: IT30

CU16 Culinary Arts III**2 Semesters**

Students will then learn advanced techniques in food preparation skills, organization & operations, sanitation, quality control, and advanced use of commercial kitchen equipment while working in a culinary specialty.

Please note Dual Enrollment available through Scottsdale Community College: Certificate of Completion in Culinary Fundamentals, ServSafe Food Service Manager, ACF Certification, Certified Fundamentals Cook (CFC®) during program

Pre-Requisites: CU15

Fashion Design and Merchandising**FIT11 Fashion Design and Merchandising I****1 Semester**

This dynamic program introduces students to the technical knowledge and skills needed to design, produce, purchase, promote and sell merchandise and accessories Fashion I includes the study of careers, the history of design, and the principles and elements of design. Students will receive an introduction to fashion design, including garment design & construction, illustration techniques, and basics of patternmaking & draping.

Please note: Dual Enrollment for college credits is available.

Pre-Requisites: At least 6 high school credits, including 1 Math & 1 English credit: all 'C' or better
2.0 GPA or equivalent standardized test scores

FIT13 Fashion Design and Merchandising II**1 Semester**

In Fashion II, students expand upon material introduced in Course I, specifically: The Design Method, garment design & construction, illustration techniques, and the fundamentals of patternmaking & draping. Additionally, students will study retail merchandising, textile science, and methods for printing/dyeing (textiles). Students will apply their acquired knowledge from Course I & II by producing a complete collection (as a class) and fashion runway show.

Please note: Dual Enrollment for college credits is available.

Pre-Requisites: FIT11

FIT 25 Fashion Design and Merchandising III**2 Semesters**

Fashion III will incorporate the 1st year knowledge into the advanced program and gain knowledge in personal styling, clothing construction, and inspirational design concepts. In this program students will also be able to coordinate fashion shows, fashion photo shoots, and fashion journalism. Students will prepare for FCCLA Spring Competition.

A student completing this program will possess the technical knowledge and skills associated with fashion design, textiles, merchandising, presentation, and sales. In addition to the technical skills, students will possess advanced employability skills including critical and conceptual thinking skills, applied academics, life management, and technology. Students will create a portfolio of their work, will prepare a resume and be trained to have the skills necessary to enter the workplace.

Please note: Dual Enrollment for college credits is available.

Pre-Requisites: FIT13

Hospitality Management

HM10 Hospitality Management I 1 Semester

Students will learn the principles of operations in the travel and tourism industries, hotel and lodging facilities, food services, recreation, hospitality planning and business operations.

Pre-Requisites: At least 6 high school credits, including 1 Math credit 'C' or better
2.0 GPA or equivalent standardized test scores

HM20 Hospitality Management II 1 Semester

Students will apply the principles of operations in the travel and tourism industries, hotel and lodging facilities, food services, recreation, hospitality planning and business operations while focusing on human resource management, entrepreneurship, financial management, and marketing.

Pre-Requisites: HM10

Please note: Dual Enrollment with SCC, Serve Safe Food Service Manager Card, American Hotel and Motel Lodging Association:

- Certified Guest Service Professional (CGSP®)
- Certified Front Desk Representative
- Certified Restaurant Server

Interior Design and Merchandising

FIT12 Interior Design and Merchandising I 1 Semester

This dynamic program introduces students to the technical knowledge and skills needed to design, produce, purchase, promote and sell merchandise and accessories. Interior Design and Merchandising I course will introduce students to the various careers available in the interior design industry. Students will have opportunity to meet current interior designers in order to gain insight into their profession. The course will provide a foundation of fundamentals required for interior design including color theory and design, the elements and principals of design, textile science, textile design, as well as the history of architecture. Students will learn basic floor space planning, elevations, and measurements in interior design and practice presenting their projects in class to develop good communication skills.

Please note: Dual Enrollment for college credits is available.

Pre-Requisites: At least 6 high school credits, including 1 Math & 1 English credit: all 'C' or better
2.0 GPA or equivalent standardized test scores

FIT14 Interior Design and Merchandising II 1 Semester

Interior Design and Merchandising II continues to provide fundamentals with advanced training in color theory, critical thinking in design, advanced floor space planning and 3D model construction. Students will learn such as business and merchandising in the interior industry. Students may have the opportunity to compete in FCCLA Spring Conference.

Please note: Dual Enrollment for college credits is available.

Pre-Requisites: FIT12

Interior Design and Merchandising III course will provide a practice of the fundamentals learned during the first year. Students will learn how to design and layout larger visual interior presentations combining floor plans, elevations and furnishings selections. As they develop presentations, students will study lighting, flooring materials, window treatments and other furnishings. Students will develop a budget and learn how to create an invoice. These students will also be trained on the 3D Chief Architect program in order to prepare for certification. Students will compete in the FCCLA Spring Conference for interior design. Students may also have opportunities to job shadow or participate in an internship in an interior related business. Students will also develop a portfolio of their work from the program and will interview and present this to industry professionals during the Annual FIT Career Day.

Please note: Dual Enrollment for college credits is available.

Pre-Requisites: FIT14

HUMAN SERVICES

Aesthetics

CS14 & CS24 Aesthetics I & II

2 Semester

The Aesthetics program is a one-year high school program that offers training in the theory and practice of aesthetics. It meets and exceeds the requirements for licensing by the State Board of Arizona. The class emphasizes the structure and function of the skin and prepares students to critically assess the individual needs of each client. Instruction includes comprehensive instruction in European and other Specialty facials, Microdermabrasion, Microcurrent, LED Light Therapy, Aroma Therapy, Hair Removal and many other services. Students learn to identify and either treat or refer out skin diseases and disorders through a foundation in Skin Analysis as well as Anatomy and physiology and Product Ingredient classes. During this course, students have the opportunity to gain Certifications in PCA Chemical peel, Dermaplane and Lash Extension. Upon completion this class, graduates are fully ready for employment in any number of professional environments.

Please note: Students attend class four (4) hours each day and may be required to provide their own transportation. Class times 7:00 AM – 11:00 AM or 12:00 PM – 4:00 PM

Pre-Requisites: At least 10 high school credits, including 2 English credits.
2.0 GPA or equivalent standardized test scores

Barbering

CS15 Barbering I

1 Semester

Introduction to Barbering is a two year, four credit course of four hours per day that provides students with a study of concepts related to the Barbering profession. Specific topics include Barbering history and opportunities, professional image, infection control, and basic fundamentals and principles of hair care and design. Students also gain initial practical experience in sanitation, shampooing, hair shaping, and hairstyling. Upon successful completion of this course, students are able to practice safety and sanitary precautions as they perform basic Barbering procedures. Introduction to Barbering is the prerequisite to Chemical Services, Hair Coloring, Salon Practices and Management, and State Board Practicum. Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

Please note: Students attend class four (4) hours each day and may be required to provide their own transportation. Requirements: Proof of age. Social security card or waiver. Signed statement of understanding

of program requirements. Class is four-hour day, Monday through Friday and requires a total of 1500 hours to complete the program and test for state license.

Pre-Requisites: At least 10 high school credits, including 2 English credits.
2.0 GPA or equivalent standardized test scores

CS25 Barbering II 1 Semester

Advanced studies in barbering history and opportunities, professional image, infection control, and basic fundamentals and principles of hair care and design. Students also gain initial practical experience in sanitation, shampooing, hair shaping, and hairstyling. Continued participation and competition in our state-wide student organization. Students begin client work in our student run barber shop.

Pre-Requisites: CS15

CS35 Barbering III 2 Semesters

This course focuses on advanced studies of practical skills in haircutting, skin care, wet shaving and beard shaping techniques, chemical services, styling and State board procedures and deeper preparation for working behind the chair and or barber shop related business skills. Continued work on clients in our student run barber shop.

Please note: Students are entered into the State Board examination at the Instructors discretion and upon completion of state requirements.

Pre-Requisites: CS25

Cosmetology

CS10, CS20, CS31 Cosmetology Fundamentals I & II & III 2 Year Program (4 semesters)

This 2-year high school program prepares the student for the Arizona State Board of Cosmetology License Exam. By the time this class is complete the student will be fully prepared to seek a fun, high paying career in salons, spas, film or a number of other exciting work environments. The focus of education is balanced between 4 hours of theory and hands-on class time daily. Students learn in-depth about the fundamentals of hairstyling, haircutting, hair color and various chemical texture services. Second-year students provide services to the public in a working salon on an EVIT Campus which provides invaluable experience including customer service and other soft skills the work world will require. This course also includes advanced education to further develop salon ready skills through industry partnerships. Hairstyling is an exciting career choice that offers on-going education, highly flexible work hours to help you pursue whatever dreams you have!

Please note: Students attend class four (4) hours each day and may be required to provide their own transportation. 7:00 AM – 11:00 AM or 12:00 PM – 4:00 PM. Dual enrollment may be available for college credit.

Pre-Requisites: At least 10 high school credits, including 2 English credits.
2.0 GPA or equivalent standardized test scores

HEALTH SCIENCE TECHNOLOGIES

Behavioral, Mental & Social Health Services

MC65 Behavioral, Mental & Social Health Services I 1 Semester

This course will prepare students for a career in behavioral and/or social health as a behavioral or mental health technician/specialist. This training can lead to job opportunities as a case manager, parent aide, family advocate, respite worker or paraprofessional counselor. Mental health technicians may work as part of a team. There are job

opportunities in public and private hospitals, treatment centers, clinics, assisted living facilities, schools and more. Duties may include coordinating mental health services, client interviews, documentation, group activities, maintaining client safety as well as helping clients with their personal needs. Will work with clients to promote dignity, independence, individuality, strengths, privacy and choice. During the first semester students will learn about foundations in past & present mental health care and treatment, building client rapport, communication, documentation, cultural diversity, therapeutic skills for technicians, and ethics & legal issues. Students will be required to participate in externships in the community.

Please note: Students may be randomly drug tested. Dual enrollment may be available for college credit.

Pre-Requisites: At least 6 high school credits, including 1 Math & 1 English credit: all 'C' or better
2.0 GPA or equivalent standardized test scores

MC66 Behavioral, Mental & Social Health Services II 1 Semester

This course will build on knowledge students gained MC65. In MC66 students learn about chronic mental health disorders, crisis intervention/de-escalation techniques, psychotherapeutic drugs, alternative/complementary therapies, autism, dementia and resilience. Students will have the opportunity to earn certificates in Article 9 Training, ASIST Training and Psychological First Aid. Students will be required to participate in externships in the community.

Please note: Students may be randomly drug tested. Dual enrollment may be available for college credit.

Pre-Requisites: MC65

Dental

MC10 Anatomy and Physiology for Medical Careers 2 Semesters

This course is designed for students interested in any health-related field and is required for students interested in advanced training in many second-year medical programs at EVIT (see pre-requisites for other programs). Study anatomy, physiology, medical terminology, nutrition, human growth and development, human diseases, infection control and human reproduction using a hands-on, project-based approach. Collaborative lab work and dissections are also an integral part of this course. Students participate in HOSA, a student organization that promotes career opportunities in the health care industry and enhances the delivery of quality health care to all people.

Please note: History of drug abuse may limit career opportunities. This course has been approved as a lab science credit worthy course by the Arizona Department of Education, please check with your district to verify they approve this course as a lab science towards graduation. Dual enrollment credit may be available.

Pre-Requisites: At least 6 high school credits, including 1 Math credit and 1 English credit: both 'C' or better
Biology (may be taken concurrently)
2.0 GPA or equivalent standardized test scores

MC60 Dental Assisting I 1 Semester

Prepare for a dental career by learning about dental office operations such as instrument recognition and sterilization, radiography and laboratory processes, preparing patients for examinations and assisting with operational procedures. First semester, students concentrate on classroom learning, hands-on skills practice and x-ray certification. During the second semester, skills and experience are gained through internships at local dental offices. Students are required to complete a 100-hour internship. Flexible hours may be required depending upon clinical availability. Students must provide their own transportation to job shadowing or internship sites. Participation in the Health Occupations Student Organization (HOSA) is a requirement of the course.

Please note: Students will be randomly drug tested.

Pre-Requisites: Seniors Only, who have taken EVIT's MC10 or taken at least 1 credit of Biology or Anatomy & Physiology: 'C' or better
No criminal record
2.0 GPA or equivalent standardized test scores

MC61 Dental Assisting II

1 Semester

During the second semester, Students will spend 6 weeks studying radiology, and preparing for DANB's national dental x-ray certification exam. Students are required to complete an 80-hour externship where skills and experience are gained through work based learning at local dental offices. Flexible hours may be required depending upon clinical availability. Students must provide their own transportation to externship sites.

Please note: Students will be randomly drug tested.

Pre-Requisites: MC60

Emergency Medical Technician

MC10 Anatomy and Physiology for Medical Careers

2 Semesters

This course is designed for students interested in any health-related field and is required for students interested in advanced training in many second-year medical programs at EVIT (see pre-requisites for other programs). Study anatomy, physiology, medical terminology, nutrition, human growth and development, human diseases, infection control and human reproduction using a hands-on, project-based approach. Collaborative lab work and dissections are also an integral part of this course. Students participate in HOSA, a student organization that promotes career opportunities in the health care industry and enhances the delivery of quality health care to all people.

Please note: History of drug abuse may limit career opportunities. This course has been approved as a lab science credit worthy course by the Arizona Department of Education, please check with your district to verify they approve this course as a lab science towards graduation. Dual enrollment credit may be available.

Pre-Requisites: At least 6 high school credits, including 1 Math credit and 1 English credit: both 'C' or better
Biology (may be taken concurrently)
2.0 GPA or equivalent standardized test scores

MC55 Emergency Medical Technician I

1 Semester

People's lives often depend on the quick response and competent care of Emergency Medical Technicians (EMTs). Learn to recognize the signs and symptoms of illness and injury, assess and treat patients, administer oxygen and provide basic medical care. Training consists of coursework and hands-on experience designed to prepare students to administer immediate care, stabilization and immobilization of victims in emergency situations. The first semester will cover mostly medical emergencies. **Please note: Students must be 18 years old by November 1 following course completion and a U.S. Citizen or legal resident to take certification exam. DHS requires that students receive course completion certificates within six months of the course. Students are able to complete testing, but they cannot be certified in Arizona until they are 18. EVIT completers who receive an EMT card may receive college credit by evaluation for EMT101 and/or EMT 104. Students will be randomly drug tested.**

Pre-Requisites: Seniors Only who have taken EVIT's MC10 or taken at least 1 credit of Biology or Anatomy & Physiology: 'C' or better or 1 year of Sports Medicine
9th grade reading level
1 Algebra credit and 1 English credit: 'C' or better
No criminal record
2.5 GPA or equivalent standardized test scores

MC56 Emergency Medical Technician II

1 Semester

The second semester of Emergency Medical Technician focuses on trauma emergencies. Students will prepare for national skill examination. Every student is required to complete a minimum 10-hour clinical rotation in an emergency room scheduled by the school. Students are responsible for their own transportation. NREMT Psychomotor Skill Exam are conducted at the end of the semester. Upon course completion, students are prepared to take state and national EMT examinations.

Please note: Students must be 18 years old by November 1 following course completion and a U.S. Citizen or legal resident to take certification exam. DHS requires that students receive course completion certificates within six months of the course. Students are able to complete testing, but they cannot be certified in Arizona until they are 18. EVIT completers who receive an EMT card may receive college credit by evaluation for EMT101 and/or EMT 104. Students will be randomly drug tested. Dual enrollment credit may be available.

Pre-Requisites: MC55

Home Health Aide

MC10 Anatomy and Physiology for Medical Careers 2 Semesters

This course is designed for students interested in any health-related field and is required for students interested in advanced training in many second-year medical programs at EVIT (see pre-requisites for other programs). Study anatomy, physiology, medical terminology, nutrition, human growth and development, human diseases, infection control and human reproduction using a hands-on, project-based approach. Collaborative lab work and dissections are also an integral part of this course. Students participate in HOSA, a student organization that promotes career opportunities in the health care industry and enhances the delivery of quality health care to all people.

Please note: History of drug abuse may limit career opportunities. This course has been approved as a lab science credit worthy course by the Arizona Department of Education, please check with your district to verify they approve this course as a lab science towards graduation. Dual enrollment credit may be available.

Pre-Requisites: At least 6 high school credits, including 1 Math credit and 1 English credit: both 'C' or better Biology (may be taken concurrently)
2.0 GPA or equivalent standardized test scores

MC77 Home Health Aide I 1 Semester

Home Health Aides, also known as Direct Care Workers (DCW), Personal Care Assistants, Caregivers, or Personal Care Aides, are a valuable part of the health care team. Home Health Aides care for people of all ages who are ill, injured or physically or mentally disabled. Home Health Aides assist clients with self-care activities such as eating, dressing, bathing and grooming needs. Home Health Aides may also help with home management activities such as meal preparation, light house cleaning or laundry.

Pre-Requisites: Seniors only who have taken EVIT's MC10 or taken at least 1 credit of Biology or Anatomy & Physiology
On track to graduate or a plan for graduation
2.0 GPA or equivalent standardized test scores

MC78 Home Health Aide II 1 Semester

Students continue learning job management and self-care skills including organizational skills related to the profession. During this semester, students prepare to take the Direct Care Workers test.

Students who complete this program are eligible to take the Arizona Standardized DCW Test to demonstrate that they have the required knowledge and skills to be a qualified DCW.

Pre-Requisites: MC77

Medical Assisting

MC10 Anatomy and Physiology for Medical Careers 2 Semesters

This course is designed for students interested in any health-related field and is required for students interested in advanced training in many second-year medical programs at EVIT (see pre-requisites for other programs). Study

anatomy, physiology, medical terminology, nutrition, human growth and development, human diseases, infection control and human reproduction using a hands-on, project-based approach. Collaborative lab work and dissections are also an integral part of this course. Students participate in HOSA, a student organization that promotes career opportunities in the health care industry and enhances the delivery of quality health care to all people.

Please note: History of drug abuse may limit career opportunities. This course has been approved as a lab science credit worthy course by the Arizona Department of Education, please check with your district to verify they approve this course as a lab science towards graduation. Dual enrollment credit may be available.

Pre-Requisites: At least 6 high school credits, including 1 Math credit and 1 English credit: both 'C' or better
Biology (may be taken concurrently)
2.0 GPA or equivalent standardized test scores

MC20 or 22 Medical Assistant I 1 Semester

Medical Assistants are educated and trained to perform administrative and clinical skills in a variety of settings, including doctors' offices, hospitals and clinics. Learn medical terminology, body systems, EKG, phlebotomy, autoclave, CPR and first aid, OSHA safety standards and other medical specialties. Gain an understanding of office procedures such as patient billing, medical records, purchasing and filing of insurance claims. Students do a clinical externship in the second year of the course. Flexible hours may be required depending upon clinical availability. Student must provide their own transportation to the clinical sites. Upon course completion, students are prepared to take the NHA national certification in Medical Assisting, Phlebotomy and EKG. **Students have the option of first completing Human Anatomy and Physiology for Medical Careers (MC10) and then taking the 2.5-hours-per-day Medical Assistant course to complete the program in two years OR the four-hours-per-day one-year Medical Assistant program (MC22/23). Please state which option the student is choosing on the application.**

Please note: Students will be randomly drug tested.

Pre-Requisites: 2 Math credits and 2 English credits: all 'C' or better
No criminal record
Biology (may be taken concurrently) EVIT's MC10 for those entering the 2.5-hours-per-day program.
2.0 GPA or equivalent standardized test scores

MC21 or 23 Medical Assistant II 1 Semester

Students do a clinical externship in the second year of the course. Flexible hours may be required depending upon clinical availability. Students must provide their own transportation to the clinical sites. Upon course completion, students are prepared to take the NHA national certification in Medical Assisting, Phlebotomy and EKG

Pre-Requisites: MC20

[Nursing Assistant](#)

MC10 Anatomy and Physiology for Medical Careers 2 Semesters

This course is designed for students interested in any health-related field and is required for students interested in advanced training in many second-year medical programs at EVIT (see pre-requisites for other programs). Study anatomy, physiology, medical terminology, nutrition, human growth and development, human diseases, infection control and human reproduction using a hands-on, project-based approach. Collaborative lab work and dissections are also an integral part of this course. Students participate in HOSA, a student organization that promotes career opportunities in the health care industry and enhances the delivery of quality health care to all people.

Please note: History of drug abuse may limit career opportunities. This course has been approved as a lab science credit worthy course by the Arizona Department of Education, please check with your district to verify they approve this course as a lab science towards graduation. Dual enrollment credit may be available.

Pre-Requisites: At least 6 high school credits, including 1 Math credit and 1 English credit: both 'C' or better
Biology (may be taken concurrently)
2.0 GPA or equivalent standardized test scores

MC30 Nursing Assistant I 1 Semester

A Nursing Assistant works under the supervision of a nurse to provide daily basic care for patients in hospitals, physician's offices, private homes, clinics and assisted living facilities. First semester, learn CPR, anatomy and physiology, medical terminology, vital signs, hygiene, human reproduction, basic nutrition and patient care.

Please note: Students will be randomly drug tested.

Pre-Requisites: Seniors who have taken EVIT's MC10 or taken at least 1 credit of Biology or Anatomy & Physiology: 'C' or better
No criminal record
2.5 GPA or equivalent standardized test scores

MC31 Nursing Assistant II 1 Semester

During the second semester, students work in clinical settings to master the skills required for the state certification exam. Flexible hours are required and depend upon the availability of clinical sites. Weekend and/or extended days may be required. Student must provide their own transportation to the clinical sites. The Arizona State Board of Nursing requires proof of legal presence in order to test for or renew certification or licensure.

Pre-Requisites: MC30

[Occupational Therapy Aide](#)

MC10 Anatomy and Physiology for Medical Careers 2 Semesters

This course is designed for students interested in any health-related field and is required for students interested in advanced training in many second-year medical programs at EVIT (see pre-requisites for other programs). Study anatomy, physiology, medical terminology, nutrition, human growth and development, human diseases, infection control and human reproduction using a hands-on, project-based approach. Collaborative lab work and dissections are also an integral part of this course. Students participate in HOSA, a student organization that promotes career opportunities in the health care industry and enhances the delivery of quality health care to all people.

Please note: History of drug abuse may limit career opportunities. This course has been approved as a lab science credit worthy course by the Arizona Department of Education, please check with your district to verify they approve this course as a lab science towards graduation. Dual enrollment credit may be available.

Pre-Requisites: At least 6 high school credits, including 1 Math credit and 1 English credit: both 'C' or better
Biology (may be taken concurrently)
2.0 GPA or equivalent standardized test scores

MC57 Occupational Therapy Aide I 1 Semester

Occupational therapists help people with physical or mental disabilities gain the skills they need to be as independent as possible. In this class you will explore the dynamic history and philosophy of occupational therapy, understand the difference between occupational therapists, occupational therapy assistants, and occupational therapy

aides. Students will experience hands on learning of job skills needed to gain employment as an occupational therapy aide, rehabilitation provider.

Please note: Students will be randomly drug tested.

Pre-Requisites: Seniors Only, at least 6 high school credits, including 1 Pre-Algebra, 1 Biology and 1 English credit.
EVIT's MC10: 'C' or better or Anatomy & Physiology w/Medical Terminology
On track to graduate or a plan for graduation
2.0 GPA or equivalent standardized test scores

MC58 Occupational Therapy Aide II

Students continue learning the skills of the occupational therapy aide and prepare for a 40-hour externship. Qualified students will participate in clinical experiences to gain valuable on the job experiences. Students must provide transportation to clinical experiences.

Pre-Requisites: MC57

Pharmacy Technician

MC10 Anatomy and Physiology for Medical Careers 2 Semesters

This course is designed for students interested in any health-related field and is required for students interested in advanced training in many second-year medical programs at EVIT (see pre-requisites for other programs). Study anatomy, physiology, medical terminology, nutrition, human growth and development, human diseases, infection control and human reproduction using a hands-on, project-based approach. Collaborative lab work and dissections are also an integral part of this course. Students participate in HOSA, a student organization that promotes career opportunities in the health care industry and enhances the delivery of quality health care to all people.

Please note: History of drug abuse may limit career opportunities. This course has been approved as a lab science credit worthy course by the Arizona Department of Education, please check with your district to verify they approve this course as a lab science towards graduation. Dual enrollment credit may be available.

Pre-Requisites: At least 6 high school credits, including 1 Math credit and 1 English credit: both 'C' or better
Biology (may be taken concurrently)
2.0 GPA or equivalent standardized test scores

MC43 Pharmacy Technician I 1 Semester

Pharmacy technicians help licensed pharmacists prepare prescription medications, provide customer service and perform administrative duties. The first semester concentrates on basic health care concepts such as medical terminology, safety, customer service, problem solving and CPR. Students learn occupation specific skills during the second semester. This rigorous academic course requires a high level of independent study while learning procedures for receiving prescription requests, counting tablets and labeling bottles, along with administrative functions such as answering phones and stocking shelves. Students must be 18 years of age to job shadow in a pharmacy. Job shadowing requires reliable transportation and is the sole responsibility of the student.

Please note: Students will be randomly drug tested.

Pre-Requisites Seniors Only who have taken EVIT's MC10 or taken at least 1 credit of Biology or Anatomy & Physiology: 'C' or better
Juniors who have taken MC10 as Sophomores: 'C' or better
1 Math and 1 English credit: both 'C' or better
2.5 GPA or equivalent standardized test scores

MC63 Pharmacy Technician II 1 Semester

The spring semester continues learning the procedures of being a pharmacy technician. Students must be 18 years of age to job shadow in a pharmacy. Job shadowing requires reliable transportation and is the sole responsibility of the student.

Pre-Requisites: MC43

Physical Therapy Technician

MC10 **Anatomy and Physiology for Medical Careers** **2 Semesters**

This course is designed for students interested in any health-related field and is required for students interested in advanced training in many second-year medical programs at EVIT (see pre-requisites for other programs). Study anatomy, physiology, medical terminology, nutrition, human growth and development, human diseases, infection control and human reproduction using a hands-on, project-based approach. Collaborative lab work and dissections are also an integral part of this course. Students participate in HOSA, a student organization that promotes career opportunities in the health care industry and enhances the delivery of quality health care to all people.

Please note: History of drug abuse may limit career opportunities. This course has been approved as a lab science credit worthy course by the Arizona Department of Education, please check with your district to verify they approve this course as a lab science towards graduation. Dual enrollment credit may be available.

Pre-Requisites: At least 6 high school credits, including 1 Math credit and 1 English credit: both 'C' or better
Biology (may be taken concurrently)
2.0 GPA or equivalent standardized test scores

MC45 **Physical Therapy Technician I** **1 Semester**

Physical therapist technicians and chiropractic assistants help doctors in the treatment and diagnosis of people with medical conditions and functionally-limiting injuries. This is a rigorous academic course that requires a high level of independent study. Qualified students will participate in job shadowing and/or internships in physical therapy offices or clinics. Shadowing and/or interning require reliable transportation at the sole responsibility of the student. Flexible hours may be required depending upon the availability of clinical sites. This program is approved by the State Board of Chiropractic Examiners to train Chiropractic Assistants.

Please note: Students will be randomly drug tested.

Pre-Requisites: Seniors only who have taken EVIT's MC10 or taken at least 1 credit of Anatomy & Physiology:
'C' or better; or 1 credit of Sports Medicine
1 Math and 1 English credit: both 'C' or better
2.5 GPA or equivalent standardized test scores

MC46 **Physical Therapy Technician II** **1 Semester**

Physical therapist technicians and chiropractic assistants help doctors in the treatment and diagnosis of people with medical conditions and functionally-limiting injuries. This is a rigorous academic course that requires a high level of independent study. Qualified students will participate in job shadowing and/or internships in physical therapy offices or clinics. Shadowing and/or interning require reliable transportation at the sole responsibility of the student. Flexible hours may be required depending upon the availability of clinical sites. This program is approved by the State Board of Chiropractic Examiners to train Chiropractic Assistants.

Please note: Students will be randomly drug tested.

Pre-Requisites: MC45

Massage Therapy

MA05 or 20 **Massage Therapy I** **1 Semester**

Begin your study of Western and Eastern massage modalities, including Swedish, Chair massage, sports massage, hot stone and Reflexology. Coursework also includes anatomy and physiology, hygiene, ethics and medical terminology. Students prepare for their state licensing by completing 700 hours of hands-on training in the public clinic on campus and at various community events. Students must be 18 years of age before applying for state licensure. Students have the option of choosing the 2.5 hour per day two-year program OR the four-hours per day one-year

program. Please state which option the student is choosing on the application. **Students must be 18 years of age before applying for state licensure. Students have the option of choosing the 2.5-hours-per-day two-year program OR the four-hours-per-day one-year program (MA20, 22, 21 & 23). Please state which option the student is choosing on the application.**

Please note: Students may be randomly drug tested.

Pre-Requisites: 2 English credits and Biology with a "C" or better
No criminal record
2.0 GPA or equivalent standardized test scores

MA10 or 22 Massage Therapy II 1 Semester

Second semester is a continuation of anatomy and physiology along with an introduction to the public clinic. More emphasis is placed on hands-on training.

Please note: Students may be randomly drug tested

Pre-Requisites: MA05

MA 06/20 or 21/23 Massage Therapy III 2 Semesters

Students are preparing for their state certification by completing a minimum of 700 hours of hands-on training in the public clinic and community events. More focus is spent on clinical assessment and treatment planning for a wide variety of clients. Students will end their second-year by preparing a business portfolio to include resume, cover letter, business cards and brochures.

Please note: Students may be randomly drug tested.

Pre-Requisites: MA06

Veterinary Assistant

MC10 Anatomy and Physiology for Medical Careers (Veterinary Focus) 2 Semesters

This course is designed to provide students with the opportunity to gain the knowledge, basic skills and abilities necessary to perform in an environment that maximizes the health care of animals. The curriculum prepares students for postsecondary Veterinary Technician education or entering the workforce as a veterinary assistant in a multitude of veterinary medical professions. This course is the first year of a two-year program culminating in the presentation of a EVIT certificate for completion for those successfully completing the two-year sequence. Students will study anatomy and physiology of various species, medical terminology, veterinary office and hospital procedures, communication and client relations, examination and clinical procedures, and veterinary assisting skills and procedures. This program is approved by the National Association of Veterinary Technicians in America (NAVTA). Student are eligible to sit for the Approved Veterinary Assistant examination upon completion of the two-year program.

Please note: History of drug abuse may limit career opportunities. This course has been approved as a lab science credit worthy course by the Arizona Department of Education, please check with your district to verify they approve this course as a lab science towards graduation. Dual enrollment credit may be available.

Pre-Requisites: At least 6 high school credits, including 1 Math credit and 1 English & Biology credit: both 'C' or better
2.5 GPA or equivalent standardized test scores

MC44 Veterinary Assisting I**1 Semester**

Veterinary Assisting I, is a continuation of the MC 10 Anatomy and Physiology for Medical Careers (Veterinary Focus) course. Students will apply and build upon knowledge learned in the MC 10 with Veterinary Assistant course. Students will study advanced examination and clinical procedures, advanced veterinary assisting skills and procedures, veterinary laboratory procedures, veterinary surgical preparation and assisting, radiology and veterinary imaging skills, and veterinary pharmacy and pharmacology. This program is approved by the National Association of Veterinary Technicians in America (NAVTA). Student are eligible to sit for the Approved Veterinary Assistant examination upon completion of the two-year program.

Please note: This class is offered at the EVIT East Campus ONLY. Students will be randomly drug tested. Dual Enrollment for college credits is available.

Pre-Requisites: MC14 (Vet) at EVIT

MC64 Veterinary Assisting II**1 Semester**

In this course students prepare for their Approved Veterinary Assistant certification by completing a 140 hour externship of hands-on training in a veterinary or animal-related industry. Externships are designed to prepare veterinary assistant students for high-quality service in practice, advanced specialty training, or other related field. Externs will primarily learn about and perform various animal husbandry and medical duties alongside staff while gaining valuable experience and knowledge. This program is approved by the National Association of Veterinary Technicians in America (NAVTA). Student are eligible to sit for the Approved Veterinary Assistant examination upon completion of this course.

Please note: This class is offered at the EVIT East Campus ONLY. Students will be randomly drug tested. Dual Enrollment for college credits is available.

Pre-Requisites: MC44

INDUSTRIAL TECHNOLOGIES

Construction Technologies

CT10 Construction I**1 Semester**

With the opportunities offered by the construction trades the student will learn critical thinking and essential problemsolving skills. Also identifies and discusses positive social skills and presents information on computer systems and their industry applications. Instruction in the basic jobsite safety information to prepare workers for the construction environment. Learning to describe the common causes of workplace incidents and accidents and how to avoid them. Introduces common personal protective equipment, including equipment required for work at height, and its proper use. Information related to safety in several specific environments, including welding areas and confined spaces is also provided. The student will review basic math skills related to the construction trades and demonstrates how they apply to the trades. Covers multiple systems of measurement, Decimals, Fractions, and basic Geometry,

Decimals/Percentages, Reading Measurements, Calculating Area, Powers of Ten, Linear Measure, Angles, Volumes, Pressure, and Slopes, Solving for Unknowns, Square Inches, Feet, and Yards, Volume. Introduction to common hand tools used in a variety of construction crafts. Identifies tools and how to safely use them, also the operation of many power tools common in the construction environment. Provides instruction on proper use, as well as safe-handling guidelines and basic maintenance. Introduction to the basic terms, components, and symbols of construction drawings, as well as the most common drawing types. Also covers the interpretation and use of drawing dimensions. Understanding the basic information related to rigging and rigging hardware, such as slings, rigging hitches, and hoists. Emphasizes safe working habits in the vicinity of rigging operations, techniques for effective communication on the job. Includes examples that emphasize the importance of both written, verbal, non-verbal (hand signals) communication skills. Students learn the importance of reading skills in the construction industry and discusses

effective telephone and email communication skills, and can describes the hazards associated with handling materials and provides techniques to avoid both injury and property damage, introducing common material handling equipment.

Pre-Requisites: At least 6 high school credits, including 1 Math credit
2.0 GPA or equivalent standardized test scores

CT20 Construction II 1 Semester

Building off of Semester I students will cover framing basics and the procedures for laying out and constructing a wood floor using common lumber, as well as engineered building materials. Learn how to describe types of roofs and provides instructions for laying out rafters for gable roofs, hip roofs, and valley intersections and techniques for measuring and calculating rise, run, and stairwell openings, laying out stringers, and fabricating basic stairways. Students will learn the procedures for laying out and framing walls, including roughing-in door and window openings, constructing corners, partition Ts, and bracing walls. Includes the procedure to estimate the materials required to frame walls, how to properly prepare the roof deck and install roofing for residential and commercial buildings, and be introduced to construction equipment, including the aerial lift, skid steer loader, electric power generator, compressor, compactor, and forklift. Students will learn how DWV systems remove waste safely and effectively. Discussing how system components, such as pipe, drains, traps, and vents work. Reviewing drain and vent sizing, grade, and waste treatment, and discussing how building sewers and sewer drains connect the DWV system to the public sewer system.

Students are introduced to different types of plastic pipe and fittings used in plumbing applications, including ABS, PVC, CPVC, PE, PEX, and PB, also explaining the proper methods for cutting, joining, and installing all piping systems. Addressing insulation, pressure testing, seismic codes, and handling and storage requirements of plastic and copper pipes.

Pre-Requisites: CT10

CT21 Construction III 2 Semesters

Students will cover the various types of exterior finish materials and their installation procedures, including wood, metal, vinyl, and fiber-cement siding. Learn how to provide detailed instructions for the selection and installation of base and wall cabinets and countertops. Students will expand on the knowledge and skills gained through the Carpentry Curriculum and provides the basic information needed to construct and apply finishes to custom cabinetry, and identify and discusses various types of wood products, wood-joining techniques, power tools, cabinet doors, shelves, and hardware. Specific guidance is also provided for the installation of laminated countertops. Introduction to basic masonry materials, tools, techniques, and safety precautions. Explains how to mix mortar by hand and lay masonry units. Also describes the skills, attitudes, and abilities of successful masons, coving characteristics of block and brick; how to set up, lay out, and bond block and brick; how to cut block and brick; how to lay and tool block and brick; and how to clean block and brick once they have been laid. Learning masonry reinforcements and accessories used to lay block and brick professionally and safely. Students learn the principles of heating, ventilating, and air conditioning, career opportunities in HVAC, and how apprenticeship programs are constructed, and basic safety principles, as well as trade licensure and EPA guidelines, are also introduced. The students learn electrical devices and wiring techniques common to residential construction and maintenance, learning to practice making service calculations. Students cover safety rules and regulations for electricians, including precautions for electrical hazards found on the job. Also covering the OSHA-mandated lockout/tagout procedure.

Pre-Requisites: CT20

[Heating, Ventilation and Air Conditioning \(HVAC\)](#)

AC10 Heating, Ventilation and Air Conditioning (HVAC) I 1 Semester

Introduction to HVAC covering the basic principles of heating, ventilating, and air conditioning, career opportunities in HVAC, and how apprenticeship programs are constructed, as well as trade licensure and EPA guidelines, are also introduced. Mathematics trade related problems involving the measurement of lines, area, volume, weights, angles, pressure, vacuum, and temperature, including a review of scientific notation, basic laws of matter, basic laws of

thermodynamics, powers, roots, and basic algebra and geometry. Introduction to the concept of power generation and distribution, common electrical components, AC and DC circuits, and electrical safety as it relates to the HVAC field, introduction to reading and interpreting wiring diagrams, understanding the fundamentals of heating systems and the combustion process. Students will learn the different types and designs of gas furnaces and their components, as well as basic procedures for their installation and service. Learning the fundamental operating concepts of the refrigeration cycle and identifying both primary and secondary components found in typical HVAC/R systems. Also introduces common refrigerants. Learn how to describe the factors related to air movement and its measurement in common air distribution systems and the required mechanical equipment and materials used to create air distribution systems. Students will be introduced to basic system design principles for both hot and cold climates, how to identify types of copper tubing and fittings used in the HVAC/R industry and how they are mechanically joined. Also learn the identification and application of various types of plastic piping, along with their common assembly and installation practices, equipment, techniques, and materials used to safely join copper tubing through both soldering and brazing. Covering the required personal protective equipment, preparation, and work processes in detail. Also provides the procedures for brazing copper to dissimilar materials.

Pre-Requisites: At least 6 high school credits, including 1 English credit and 1 Math credit: both 'C' or better 2.0 GPA or equivalent standardized test scores

AC20 Heating, Ventilation and Air Conditioning (HVAC) II 1 Semester

Building what students learned in the first semester. Students covers transformers, single-phase and three-phase power distribution, capacitors, the theory and operation of induction motors, and the instruments and techniques used in testing AC circuits, as well as the components and reviews electrical safety. Students learn how to explain operating principles of compressors used in comfort air conditioning and refrigeration systems. Includes installation, service, and repair procedures, characteristics and applications of pure and blended refrigerants, and provides extensive coverage of lubricating oils used in refrigeration systems, refrigerant handling and equipment servicing procedures for HVAC systems in an environmentally safe manner, the operating principles, applications, installation, and adjustment of fixed and adjustable expansion devices used in air conditioning equipment, the principles of reverse cycle heating, operation of heat pumps and explains how to analyze heat pump control circuits. Includes heat pump installation and service procedures. Also information related to maintenance-oriented materials, as well as guidelines for the inspection and periodic maintenance of various systems and accessories. Also covers the application of gaskets and seals, as well as the adjustment of different types of belt drives. Includes information on inspection and maintenance requirements for selected equipment.

Pre-Requisites: AC10

AC25 Heating, Ventilation and Air Conditioning (HVAC) III 2 Semesters

Second year students cover a variety of fasteners, hardware, and wiring terminations used in HVAC systems including the installation of these components. Students are provided with information and skills to troubleshoot control circuits and electric motors found in heating and cooling equipment, guidance related to troubleshooting cooling systems, review of the heat pump operating cycle, and presents troubleshooting procedures for components, information and skills needed to troubleshoot gas-fired furnaces and boilers. Student learn the construction and operation of oil-fired heating systems and their components. Includes servicing and testing of oil furnaces and procedures for isolating and correcting oil furnace malfunctions, skills needed to troubleshoot various air treatment accessories used with heating and cooling equipment, skills needed to troubleshoot and repair zoned, ductless, and variable refrigerant flow systems. Also learning water problems encountered in heating and cooling systems and identifies water treatment methods and equipment, the issues associated with indoor air quality and its effect on the health and comfort of building occupants, and heat recovery/reclaim devices, as well as other energy recovery equipment used to reduce energy consumption in HVAC systems, System Air Balancing, Also covering the start-up and shutdown of typical cooling towers and packaged HVAC units, Construction Drawings and Specifications, Heating and Cooling System Design Identifies factors that affect heating and cooling loads. Explains the process by which heating and cooling loads are calculated, and how load calculations are used in the selection of heating and cooling equipment, Commercial/Industrial Refrigeration Systems, Alternative and Specialized Heating and Cooling Systems.

Pre-Requisites: AC20

Plumbing

PLB10 Plumbing I 1 Semester

Plumbers protect the health of nations. Develop hands-on skills in various disciplines of commercial and residential Service Plumbing Technician. Students will study Blueprints, water distribution systems, drainage waste and vent systems, plumbing fixtures, potable water quality, water heating concepts and plumbing fixture installation. Industrydriven curriculum and internships prepare students for employment, apprenticeship programs, community college or a four-year post-secondary institution

.Pre-Requisites: 1 Math and 1 English credit: both 'C' or better
2.0 GPA or equivalent standardized test scores

PLB20 Plumbing II 1 Semester

Building on the lessons from Semester 1 the student learns Isometric drawings, material takeoffs, approved submittal data, and Building Information Management (BIM). Exploring the basics of backflow and water hammer prevention, and discusses the installation of shower and tub valves, ice maker and washing machine boxes, and pipe stub outs and supports, introduction to Fuel Gas Systems and safe handling of natural gas, liquefied petroleum gas, and fuel oil, introduction to electrical safety and the principles of electricity. The student will also be exploring gas-fired, electric, tankless, heat pump, and indirect water heaters, components, and applications.

Pre-Requisites: PLB10

PLB22 Plumbing III 2 Semesters

Students will learn the types of private waste disposal systems, discusses the maintenance and installation of these systems. Introduction to the common types of medical gas and vacuum systems, and introduces the safety

requirements for installing, testing, and servicing these systems, introduction to the hydronic and solar heating systems layout, installation, testing, and balancing, techniques for sizing water supply systems, including calculating system requirements and demand, developed lengths, and pressure drops, learn how to calculate drainage fixture units for waste systems. Business Principles for Plumbers / Introduction to concepts and practices that is essential for competitive, successful plumbing businesses. Also covers basic business accounting and project estimating, as well as techniques for cost control and task organization. Also learning basic leadership skills and explains different leadership styles, communication, delegating, and problem solving. With Service Plumbing the student learns how to repair of fixtures, valves, and faucets in accordance with code and safety guidelines.

Pre-Requisites: PLB20

PUBLIC SERVICE CAREERS

Criminal Justice

LE10 Criminal Justice I 1 Semester

Prepare for a career in the within Criminal Justice System. Training includes studies in crime scene investigations, forensics, report writing, court functions, jail functions, interrogation skills, police functions and physical fitness. Students will gain a strong foundation in interpersonal and soft skills. Which will help students entering a career in the criminal justice system. Such as, law enforcement, courts, jails, correctional institutions, and probation and parole. The program will prepare students for military service, a college degree, or employment with criminal justice system. Students who reach age of 18 before completing the program may earn their Arizona Security Guard Card, allowing them to work in the field upon completion.

Please note: Dual Enrollment for college credit is available.

Pre-Requisites: At least 6 high school credits, including 1 Math credit and 1 English credit: 'C' or better
No criminal history
2.0 GPA or equivalent standardized test scores

LE20 Criminal Justice II 1 Semester

Training includes advanced study in crime scene investigations, forensics, report writing, court functions, jail functions, interrogation skills, police functions and physical fitness. Students will gain a strong foundation in interpersonal and soft skills. Which will help students entering a career in the criminal justice system. Such as, law enforcement, courts, jails, correctional institutions, and probation and parole. The program will prepare students for military service, a college degree, or employment with criminal justice system. Students who reach age of 18 before completing the program may earn their Arizona Security Guard Card, allowing them to work in the field upon completion.

Please note: Dual Enrollment for college credit is available.

Pre-Requisites: LE10

LE25 Criminal Justice III 2 Semesters

Prepare for a career in the within Criminal Justice System. Training includes advanced study in crime scene investigations, forensics, report writing, court functions, jail functions, interrogation skills, police functions and physical fitness. Students will gain a strong foundation in interpersonal and soft skills. Which will help students entering a career in the criminal justice system. Such as, law enforcement, courts, jails, correctional institutions, and probation and parole. The program will prepare students for military service, a college degree, or employment with criminal justice system. Students who reach age of 18 before completing the program may earn their Arizona Security Guard Card, allowing them to work in the field upon completion.

Please note: Dual Enrollment for college credit is available.

Pre-Requisites: LE20

[Fire Science](#)

FF10 or 21 Fire Science I 1 Semester

Fire Science I. Students will be introduced to firefighting basics and other emergency service related task. Students will learn the history of the fire service, fire behavior, water supply, firefighter gear and breathing apparatus and other engine company operations including fire attack and foam. Students will be completing IFSAC Firefighter I & II skill sheets.

Please note: Dual enrollment for college credits is available.

Pre-Requisites: 2.0 GPA or equivalent standardized test scores

FF20 or 22 Fire Science II 1 Semester

Fire Science II. Students will continue working on engine company operations and also be introduced to ladder company operations. Students will learn forcible entry, search and rescue, firefighter survival and salvage and overhaul. They will also learn technical rescue, including rappelling, rope rescue, and patient packaging. Students will be completing IFSAC Firefighter I & II skill sheets.

Please note: Dual enrollment for college credits is available.

Pre-Requisites: FF10 or instructor approval

The advanced fire science course is a yearlong course designed to build upon the skills learned in fire science I & II. The students will learn about emergency vehicle operations; driving and operating the fire apparatus. The students will also learn hydraulic theory, hazardous materials response and place into practice what they learn by operating pumps, developing water supply, fire attack streams for firefighting operations and hazmat response scenarios. Students will complete a wildland firefighter training course and test for their national certification as a wildland firefighter S-130, S190. FF 25 also covers aircraft rescue firefighting (ARFF), auto extrication and advanced search and rescue. Students will also take the emergency medical technician course, which includes an on-site hospital clinical session and will test for their national certification as an EMT. (NREMT). Students will also learn employability skills for job interviews and applications. *Students will participate in a live burn scenario day at a city fire department training facility. *

Please note: Dual enrollment for college credits is available. Drug Testing will be required at some point during course. Students that fail will be removed from FF21 and repeat FF10/20.

Pre-Requisites: 2.0 GPA or equivalent standardized test scores ****Human Anatomy & Physiology** highly recommended to take concurrently****

Automotive Technologies

Train for a career in the Automotive industry through National Automotive Technicians Education Foundation (NATEF) certified instruction and Automotive Service Excellence (ASE) certified instructors. This program focuses on employment standards that prepare students for the workforce. Learn all aspects of Automotive repair and maintenance including engine performance, engine repair, electrical systems, brakes, steering, suspension and alignment. Practice and master hands-on skills on late-model vehicles and participate in work-based internship and job shadowing. In your first semester you will train in Shop safety and proper tool usage. Once mastered You will move into Automotive theory and from there you will disassembly an engine, identify the parts, measure the moving part and reassemble the engine.

Please note: Dual Enrollment for college credit is available.

Pre-Requisites: At least 6 high school credits, including 1 English credit and Pre-Algebra: 'C' or better
2.0 GPA or equivalent standardized test scores

In your second semester as a first year Automotive Student you will learn the proper maintenance of a vehicle. You will perform oil changes, transmission services, cabin filter replacement, starting and charging system testing and inspection. Once you complete your maintenance course you will learn the operation of cooling systems and lubrication systems. You will also learn how the hydraulic brake system operates, how suspension and driveline system works as well.

Please note: Dual Enrollment for college credit is available.

Pre-Requisites: AM10

Year 2 of the Automotive program a student will learn heating and air-conditioning, electronics and computer controls on the cars. Your final semester involves the understanding of Air brakes, ABS and traction control on a vehicle. After 4 semesters you will complete the program with a vast understating on how a vehicle runs and operates. Internships, work shadows and career fairs occur in this year.

Please note: Dual Enrollment for college credit is available.

Pre-Requisites: AM30

Aviation Transportation

This is a series of introductory classes covering various subjects from aerodynamics to specific aircraft systems. You will be actively engaged in our labs as we disassemble and reassemble actual engines during the airframe & power plant unit, construct sheet metal airfoils to fly in our wind tunnel, and test your understanding of flight instruments and

flight navigation in our computer simulators. This semester is very beneficial to anyone interested in the flight or maintenance career fields. This course is the first of a two-year program culminating in the presentation of a EVIT certificate for completion for those successfully completing the two-year sequence.

Please note: Dual enrollment credit may be available. Please note: History of drug abuse may limit aviation career opportunities.

Pre-Requisites: At least 6 high school credits, including Algebra with a “B” or better
2.5 GPA or equivalent standardized test scores

**AV10/AV20 Advanced Aviation I/II 1 Semester
(2 quarters: Q3/Q4)**

This course is a continuation of AV05. This semester centers more on airport operations, the air traffic control field and pilot ground school subjects. They will learn about aviation related weather, aeronautical decision making skills (ADM), basic aviation physiology, aerospace navigation systems, and flight planning skills. Students that are planning to begin flight training in the second year are highly encouraged to obtain an FAA medical certificate by the end of the first semester. This also includes the completion of the FAA written private pilot (or drone operator) exam. Those planning to pursue an internship must complete an interview and acceptance from the employer

Please note: Dual enrollment credit may be available. Please note: History of drug abuse may limit aviation career opportunities.

Pre-Requisites: AV05

AV35 Advanced Aviation III 1 Semester

This semester the students will participate in either flight training or an internship with an aviation industry partner. We partner with CGCC as the students receive both ground and flight instruction in a Part 141 flight program run by UND. We also offer internships that would allow those interested to take their flight instruction in either airplane or helicopter at one of the local flight schools. We may offer internships and training to be a certified UAV, (Drone) operator by collaborating with our local industry partners.

Please note: Dual enrollment credit may be available. Please note: History of drug abuse may limit aviation career opportunities.

Pre-Requisites: AV20

[Collision Repair](#)

AB10 Collision Repair I 1 Semester

Students will learn the collision repair business from A-Z in Arizona's first National Automotive Technicians Education Foundation (NATEF) certified collision program. You'll learn damage diagnosis (estimating), repair, Paint prep and refinish techniques with paint mixing and matching and blending procedures.

Pre-Requisites: At least 6 high school credits
2.0 GPA or equivalent standardized test scores

**AB20/AB30 Collision Repair II/III 1 Semester
(2 quarters: Q3/Q4)**

Students receive I-CAR training and influence from ASE (Automotive Service Excellence) and are prepared for entry level jobs such as body or paint technician, parts procurement, production manager, insurance estimator or adjuster, paint or tool salesperson, and many other related career opportunities. Students will be introduced to aluminum repair and welding, steering and suspension systems, wheel alignment, dimensioning procedures for analyzing structural damage, adhesive bonding, anchoring procedures, structural dimensioning using mechanical and computer measuring systems, stationary glass replacement, welded panel replacement procedures including resistance spot welding and unibody sectioning. Safe and proper use of tools and equipment are covered in each area.

Pre-Requisites: AB10

Students will continue their advanced studies in the collision repair business in Arizona's first National Automotive Technicians Education Foundation (NATEF) certified collision program. Advanced techniques in damage diagnosis (estimating), repair, Paint prep and refinish techniques with paint mixing and matching and blending procedures. Students will also learn advanced single stage and 2 stage paint application, mixing paint on a computerized scale, ordering materials, removal and application of stripes and decals, color matching and blending, identifying and refinishing different types of plastics and application of special OEM coatings.

Pre-Requisites: AB30

Diesel Technologies

AM63 Diesel Technologies Fundamentals

1 Semester

Train for a career in the Diesel Truck industry through National Automotive Technicians Education Foundation (NATEF) certified instruction and Automotive Service Excellence (ASE) certified instructors. This program focuses on employment standards that prepare students for the workforce. Learn all aspects of Diesel repair and maintenance including engine performance, engine repair, electrical systems, brakes, steering, suspension and alignment. Practice and master hands-on skills on late-model Semi Truck and participate in work-based internship and job shadowing. In your first semester you will train in Shop safety and proper tool usage. Once mastered you will move into Diesel Engine theory and from there you will disassemble an engine, identify the parts, measure the moving part and reassemble the Diesel engine.

Please Note: Dual Enrollment for community college is available

Pre-Requisites: Junior and Seniors only
At least 1 English credit and Pre-Algebra: 'C' or better
2.0 GPA or equivalent standardized test scores
Recommended: Prior knowledge/experience with basic automotive repair

AM68/AM69 Diesel Technologies I/II

1 Semester
(2 quarters Q3/Q4)

In your second semester as a first year Diesel Student you will learn the proper maintenance of a modern Semi Truck. You will perform oil changes, transmission services, cabin filter replacement, starting and charging system testing and inspection. Once you complete your maintenance course you will learn the operation of cooling systems and lubrication systems. You will also learn how the hydraulic brake system operates, how semi-truck suspension and driveline system works as well.

Please Note: Dual Enrollment for community college is available.

Pre-Requisites: AM63

AM70 Diesel Technologies III

2 Semesters

Year 2 of the Diesel program a student will learn heating and air-conditioning, electronics and computer controls on the Truck and also the trailer of a semi. The final semester involves the understanding of Air brakes, ABS and traction control on a truck and trailer. After all 4 semester you will complete the program with a vast understating on how a late model semi-truck runs and operates.

Please Note: Dual Enrollment for community college is available.

Pre-Requisites: AM69

It is the policy of the East Valley Institute of Technology District #401 to provide all persons with equal employment and education opportunities regardless of race, color, sex, national origin, marital status, age or disability. District grievance procedures will be followed for compliance with Title IX and section 504 requirements. The compliance office is the EVIT Superintendent.

