

HIGH SCHOOL

COURSE DESCRIPTION CATALOG

2022
GRADES 9-12
2023





HIGH SCHOOL COURSE DESCRIPTION CATALOG

GRADES 9-12 • 2022-2023



GOVERNING BOARD

Mrs. Lara Salmon Ellingson

Ms. Marcie Hutchinson

Dr. Joe O'Reilly

Mrs. Jenny Richardson

Mrs. Kiana Sears

School directory may be found at
www.mpsaz.org/schools
or call the Mesa Public Schools
main phone number
at 480-472-0000



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Diploma Requirements

Students must earn 22 credits (16 required and 6 electives) in order to graduate from a Mesa high school.

Transfer students must be enrolled in classes that place them on track for graduation and be enrolled through the semester of graduation. These students must have earned at least five (5) credits in an MPS high school to be eligible for an MPS diploma unless they transfer in the final semester of their high school experience. Students who transfer during the final semester of their senior year must earn three (3) credits to be eligible for a Mesa diploma. Students must check with the school counselor or the registrar for specific details.

Students may participate only in commencement ceremonies held at the high school in which they were enrolled when graduation requirements were satisfied.

The chart presented below lists the credit requirements.

CURRICULUM	MESA SCHOOLS STANDARD DIPLOMA ① (See ADDITIONAL DIPLOMA DESIGNATIONS below)
ENGLISH <i>(see sequence for English courses)</i>	4
MATHEMATICS <i>(see sequence for Math courses)</i>	4 <i>(Algebra I, Geometry, Algebra II, and an additional math)</i>
SCIENCE <i>(see sequence for Science courses)</i>	3 <i>Lab Sciences (Biology, physical science, and an additional science)</i>
* SOCIAL STUDIES <i>(see sequence for Social Studies courses)</i>	3 <i>(World History, American History, Government, and Economics)</i>
WORLD LANGUAGES	0
ARTS	1 <i>(fine or practical (CTE) arts)</i>
** PHYSICAL EDUCATION	1
ELECTIVE CREDITS	6
TOTAL REQUIRED CREDITS	22
GRADE POINT AVERAGE	No minimum GPA
*** STATE REQUIRED ASSESSMENTS	American Civics Test <i>(60/100 correct) (See page 10 for more information)</i>

* Students must complete American/Arizona History before taking American/Arizona Government or Principles and Practices of Economics. BE 53 may substitute for Principles and Practices of Economics SS 57.

** AS 35 and MS 35 can substitute for P.E. courses. Two semesters of MU 81 may substitute for ½ credit of the P.E. requirement. Hands on CPR will be taught in each Physical Education class to fulfill Arizona State Statute requirements.

*** Specific requirements are set by the Arizona State Board of Education.

① Additional Diploma Designations *(See pages 13-14 for detailed description of diplomas/designations.)*

- Advanced Government and History Designation
- Advanced Placement (AP) Capstone Diploma
- Advanced STEM Designation
- Arizona Seal of Biliteracy
- Career and Technical Education (CTE) AZ State Program Completer & Industry Certification
- International Baccalaureate (IB) Career Program Certificate
- MPS Advanced Honor for Excellence in Academics
- MPS Seal of Musical Excellence
- MPS Service Learning Honor For Excellence
- Arizona State Seal of Arts Proficiency

AZ UNIVERSITY ENTRANCE

English: 4, Math: 4, Science: 3, Social Studies: 2,
World Languages: 2, Fine or Practical (CTE) Arts: 1,
Grade point average: 3.0+

*For details, see page 15 or the website
for the college of your choice.*

Additional Course/Credit Guidelines

1. One (1) unit of credit is granted for work completed in a subject that meets one period daily for the academic year. One-half (1/2) unit of credit is granted for work completed in a subject that meets one period daily for one semester of the academic year.
2. Students are expected to be enrolled in six classes per semester to be considered on track for graduation.
3. Students may enroll in a total of seven (7) classes at their home school. This equals 7.0 credits including an "A" or "Z" hour. Fees may be assessed for courses taken beyond seven (7).
4. High school students who register for additional classes beyond seven (7) credits through Mesa Distance Learning Program (MDLP) during the academic year will be assessed tuition of \$175 per course per semester and must have prior parental and school administration approval. Secondary students who register for courses during the summer through MDLP and/or Community Education will be assessed tuition of \$175 - \$185 per course per semester.
5. Students who are co-enrolled in a Mesa Public School designated Career Technological Education District (EVIT) will be provided an opportunity to enroll in a total of four credit bearing classes through their home campus or other MPS educational services. Students who need additional credits may enroll in Mesa Public Schools tuition based community education programs.

Transfer of Credits From Other Schools Outside MPS

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

High School Credit for Coursework Prior to 9th Grade

Credits applied toward high school graduation must be earned in grades 9 through 12. The only exceptions are Algebra 1, Geometry, and World Languages. Grades earned in these classes will be recorded on the senior high school transcript, included in the student's GPA, and they will not be removed. Prospective college student athletes should be aware that the NCAA only recognizes approved high school courses taken in grades 8-12. Credits earned in seventh grade or prior years are not accepted by the NCAA.

Concurrent Enrollment College Courses

Concurrent enrollment courses are college courses completed at a college while a student is enrolled in a high school. Acceptance of college courses toward high school graduation requirements may be considered if the course is at a higher level than the course taught at the high school, or the high school is not able to offer the required or elective course. The district determines if the subject matter of the college course is appropriate to the specific high school requirement. Prior approval is required by the high school from which the student intends to graduate. NOTE: This includes summer school.

Computer-Based/Distance Learning Programs Outside MPS

The district will accept the transfer of credits from computer-based/distance learning schools/districts other than Mesa Public Schools to meet the district's high school graduation requirements as follows:

- The same course or similar course is offered in the MPS curriculum.
- Religious study courses and courses such as study hall may not be accepted for transfer credit.
- Courses are accepted as elective credit only, unless a request is made by the parent/student within 10 days following receipt of a transfer credit evaluation form to test for consideration of "core" credit. Students may request to take an end-of-course/semester exam in core courses required for graduation (mathematics, language arts, reading, social studies, science and world languages). Upon demonstrating minimum competency (70%) core credit may be granted.

Summer and Night School Programs Outside MPS

Coursework in accredited summer and night school programs may be accepted toward graduation requirements. Students must obtain approval by the principal or designee prior to enrolling in the course.

Students attempting to earn credits from sites other than the MPS school from which the student intends to graduate need to exert care and caution. Acceptance of transfer credits from sources outside Mesa Public Schools is not automatic. Disappointment and confusion can be avoided through careful planning. Please consult your school counselor.

EXPLANATION OF GRADES

Course Grades

All courses taught for credit receive a letter or a pass/fail grade. Homework may not count for more than 10% of the final grade. Homework will be defined by the teacher in accordance with Administrative Regulation IKB-R. Final examinations may not count for more than 20% of the final grade. Grade point values and the percentages used to determine each grade are listed below.

Percentage	Letter Grade	Achievement Grade	Grade Point Value
90 - 100	= A	= Consistently meets curriculum standards at an outstanding level	4.0
80 - 89	= B	= Generally meets curriculum standards at a high level	3.0
70 - 79	= C	= Meets curriculum standards at a satisfactory level	2.0
60 - 69	= D	= Meets some curriculum standards	1.0
59 - 59.99	= D-	= Minimally meets some curriculum standards (teacher's discretion)5
< 59	= F	= Fails to meet curriculum standards. If courses are credit bearing, no credit toward graduation is granted to a student receiving a final grade of "F" in the course	0.0

P = Pass (reserved for designated pass/fail courses)

I = Incomplete (maximum length of time to make up a course is one semester). If not completed the incomplete turns to "F"

U = Audit (student may only use this option if it has been approved by the teacher and an administrator during the first 20 school days of the semester).

W = Withdraw

W/P = Withdraw with a passing grade (not calculated in GPA)

W/F = Withdraw with a failing grade (calculated as an "F")

NC = No Credit (student did not meet course attendance requirement). If the student would have received an "F", then the F is given and calculated into the student's GPA.

With the exception of the D-, no plus or minus notations are used on the report card.

Pass/Fail and Audit Designations

A pass/fail grade is awarded to limited district-designated classes. Students may not apply for a pass/fail option.

A student may request to audit a class to preview or review the content of a course. Students are eligible for this option only if the course which they are requesting to audit has previously been taken for credit or the course will be taken again for credit at a later time. Student requests regarding the audit option are limited to the first 20 days of enrollment in a course.

All students who audit a course will receive the grade of U when the course is completed. This is the only grade provided for an audited course. Audit courses shall appear on a student's permanent record.

There is no cost for the course if taken during the school year and only if the student is enrolled in less than seven (7) courses at his/her school. If the student is taking seven (7) or more courses and requests to audit another course, there is a fee. If the course is taken during summer vacation, there is a fee.

Weighted Course Grades

Certain advanced/accelerated high school courses (9th-12th grades only) taken in the Mesa Public Schools receive weighted grade point values. Weighted grade point values are possible because of higher expectations and greater rigor required in the work. The grade point values for these courses are: A = 5.0, B = 4.0, C = 3.0, D = 2.0, D- = 1.0 and F = 0. Weighted grades are only granted when the student completes the entire year-long course. Otherwise, no weighted grade point value is applied.

Grade point average (GPA) for transferring students is computed according to courses earning weighted grades at the receiving MPS school. This ensures that each student's GPA at any Mesa high school is computed the same way.

Grades When Students Register After the 20th Day of a Semester

The student may have the opportunity to earn credit if missed work is made up to the specifications of the teacher/s. The Credit Recovery Program or Mesa Distance Learning may also be an appropriate option. Students should check with the school counseling department for options.

Grades When Students Withdraw From School/Courses

Students requesting to withdraw from a course while remaining enrolled in MPS must receive administrative approval. Freshmen, sophomores, and juniors are expected to enroll in six (6) courses. Seniors must be enrolled in at least four (4) courses per semester and maintain progress toward high school graduation in four years.

Approved withdrawals from schools/courses will be posted on the student's transcript according to the following timeline:

- Schedule changes within the first twenty (20) days of the semester will not be reflected on the transcript.
- Withdrawals from the 21st day to the end of the quarter in each semester will be posted with a "W".
- Withdrawals between the end of the quarter to twenty (20) days prior to the end of the semester will be post as W/P or W/F.
- No withdrawals are permitted within the last twenty (20) days of the semester.

Grades When Students Transfer Into a Mesa Public School (9th-12th grade)

The grades earned in courses from an accredited high school will be averaged with the grades earned in the Mesa receiving school. The grades earned in courses from a non-accredited high school will be evaluated by the receiving school to determine how grades and transfer credits will be accepted.

Courses Taken a Second Time

Students requesting to repeat a high school (9th-12th grade) course for grade replacement should consult with MPS school counseling/administration.

Grades Impacted by Attendance

Satisfactory attendance at school is essential to learning, and regular attendance is a key to academic success. Satisfactory attendance at school is the responsibility of the student and his or her family.

- A student must attend at least ninety (90) percent of class sessions to earn credit. Failure to meet this standard may lead to withholding of credit.
- Cases involving prolonged illness or unusual circumstances will be reviewed by the school administration.
- Each unexcused absence will result in teacher and/or administrative action.
- Excessive tardies will result in administrative action.

College Core/Class Rank

Mesa Public Schools determines a student's high school (9-12) class rank by calculating a College Core. The College Core is based on Arizona university entrance requirements, as defined by the Arizona Board of Regents, as well as Arizona State Board of Education graduation requirements. *

Specifically, the College Core includes:

4 credits in English	3 credits in Laboratory Science	2 credits in World Languages
4 credits in Mathematics	3 credits in Social Studies *	1 credit in Fine or Practical Arts

Students who exceed minimum core area requirements will automatically be evaluated based on the courses with the highest grade points earned in that core area. For specific information and calculation assistance, visit www.mpsaz.org/collegecore.

* NOTE: Arizona State Board of Education graduation requirements include three (3) credits in Social Studies. However, the Arizona Board of Regents only includes two (2) credits in Social Studies for university entrance.

SEQUENCE OF COURSES

English Courses

Additional elective English courses not listed in the sequences below are available and are appropriate depending upon the academic goals of the student. Please consult a school counselor to determine the courses that meet individual and unique needs.

STANDARD	Freshman English EN 09	Sophomore English EN 47	Junior English EN 48	Senior English EN 49 or	
				Critical Thinking and Writing EN 41 or Creative Writing EN 44 or College Prep Writing EN 45	Shakespeare EN 40 or Mythology EN 52 or Multicultural Literature EN 56 or Humanities EN 80
	9th Grade	10th Grade	11th Grade	12th Grade	

ADVANCED	Honors Freshman English EN 27	Honors Sophomore English EN 35	AP English Language and Composition EN 70	AP English Literature and Composition EN 71
	9th Grade	10th Grade	11th Grade	12th Grade

Since we use the *College Core GPA* system to calculate GPA, we recommend students take courses in the designated sequence. Taking courses out of sequence may result in a lower GPA calculation until the proper courses are completed.

Mathematics Courses

Additional elective and advanced math courses not listed in the sequences below are available and are appropriate depending upon the academic goals and math skills of the student. Please consult a school counselor to determine the courses that meet individual and unique needs.

STANDARD	Algebra I MA 27	Geometry MA 30	Algebra II MA 40	Honors Precalculus MA 45 or College Algebra/ Trigonometry MA 42
	9th Grade	10th Grade	11th Grade	12th Grade
ADVANCED	Honors Geometry MA 32	Honors Algebra II MA 41	Honors Precalculus MA 45	AP Calculus AB MA 50 or AP Calculus BC MA 51 or AP Statistics MA 52
	9th Grade	10th Grade	11th Grade	12th Grade

Since we use the *College Core GPA* system to calculate GPA, we recommend students take courses in the designated sequence. Taking courses out of sequence may result in a lower GPA calculation until the proper courses are completed.

NOTE:

- The state of Arizona requires students to satisfactorily complete Algebra I, Geometry, Algebra II (or its equivalent) plus a fourth year of mathematics.

Science Courses

Additional elective science courses not listed in the sequences below are available and are appropriate depending upon the academic goals of the student. Please consult a school counselor to determine the courses that meet individual and unique needs.

STANDARD	*Biology SC 49	Physical Science SC 22	Chemistry SC 71 or Other Additional Science Course	Physics SC 81 or Other Additional Science Course
	9th Grade	10th Grade	11th Grade	12th Grade
ADVANCED	*Honors Physical Science SC 23	AP Biology SC 46 or *Honors Biology SC 45	**Other AP Lab Science or Honors Chemistry SC 72	**Other AP Lab Science or Physics SC 81
	9th Grade	10th Grade	11th Grade	12th Grade

* Students enrolling in Honors Physical Science SC 23 in the 9th grade must have successfully completed Algebra I prior to the 9th grade and are expected to continue on the "Advanced" Science sequence noted above.

** AP Lab Science courses offered at various campuses: AP Biology (SC 46), AP Environmental Science (SC 52), AP Chemistry (SC 77), AP Physics I (SC 79), AP Physics II (SC 80) and AP Physics C (SC 90).

The state of Arizona requires all eleventh-grade students to take the AzSCI test in the spring of their junior year. This test will be cumulative and assess standards from ninth through eleventh-grade science courses covering all 28 essential standards in science. A combination of Physical Science (SC22 or SC23) and Biology (SC 49, SC 45, or SC 46) will cover all 28 essential standards.

Since we use the College Core GPA system to calculate GPA, we recommend students take courses in the designated sequence. Taking courses out of sequence may result in a lower GPA calculation until the proper courses are completed.

Social Studies Courses

Additional elective social studies courses not listed in the sequences below are available and are appropriate depending upon the academic goals of the student. Please consult a school counselor to determine the courses that meet individual and unique needs.

American Civics Assessment - graduation requirement

Mesa Public Schools will administer the American Civics Test in the 8th grade with subsequent opportunities for high school (grades 9-12) students to take the assessment as needed in order to meet this graduation requirement.

*Beginning in the 2016-2017 school year, the Competency Requirements for Social Studies shall include a requirement that, in order to graduate from high school or obtain a high school equivalency diploma, a pupil must correctly answer **at least sixty of the one hundred questions** listed on a test that is identical to the Civics portion of the naturalization test used by the United States Citizenship and Immigration Services. A district school or charter school shall document on the pupil's transcript that the pupil has passed a test that is identical to the civics portion of the naturalization test used by the United States Citizenship and Immigration Services as required by this section. Arizona Revised Statute §15-701.01*

STANDARD	World History/ Geography SS 22	Social Studies Elective	*American / Arizona History SS 35	**American Government SS 51 and ***Principles & Practices of Economics SS 57
	9th Grade	10th Grade	11th Grade	12th Grade
ADVANCED	Honors World History / Geography SS 28 or AP World History SS 50 or AP Social Studies Elective	*Honors American History & Literature SS 32 and EN 58 or AP World History SS 50 or AP Social Studies Elective	*AP United States History SS 39 and/or AP Social Studies Elective	**AP United States Government and Politics SS 52 or ***AP Microeconomics SS 86 and/or ***AP Macroeconomics SS 87
	9th Grade	10th Grade	11th Grade	12th Grade

* Students must complete one (1) credit of American/Arizona history before taking American Government or Principles and Practices of Economics.

** AP United States Government and Politics (SS 52) and We the People (SS 59) fulfill the requirements of government and economics necessary for high school graduation. Please note that AP Human Geography (SS 67) does not satisfy the World History graduation requirement.

*** BE 53, SS 85, SS 86, SS 87, SS 55 may substitute for Principles and Practices of Economics (SS 57).

Since we use the *College Core GPA* system to calculate GPA, we recommend students take courses in the designated sequence. Taking courses out of sequence may result in a lower GPA calculation until the proper courses are completed.

ADDITIONAL EDUCATIONAL PROGRAMS

Mesa Public Schools offers specialized programs designed to meet the needs of specific high school students. Students should see school counselors for more specific information.

Advancement Via Individual Determination (AVID)

<http://www.mpsaz.org/avid>

AVID stands for Advancement Via Individual Determination and is a junior high through senior high school college and career readiness system designed to prepare self-determined students for college, career, and community. A component of the AVID college readiness system is the AVID Elective class, which is designed to support students with rigorous academic preparedness as they enroll in rigorous courses, opportunity knowledge as they explore college and career options, and develop student agency and self-determination. AVID students also engage in a collaborative-inquiry process through tutorials twice per week in order to support them in their rigorous coursework.

Advanced Placement (AP)

<http://www.mpsaz.org/gtp/high-gifted>

Advanced Placement ("AP") courses offer rigorous college-level curriculum to highly-motivated students at all six Mesa high schools. When students take AP courses, they demonstrate to college admission officers that they have sought out an educational experience that prepares them for college and university success. AP courses are fast-paced and intense, allowing students to develop skills, abilities and content knowledge that they will need later in college and beyond. AP teachers are specially trained to assist students to meet the demands of such challenging coursework.

AP courses are offered through a partnership between the College Board, high schools, and colleges and universities. Each AP course is modeled upon a comparable college course and concludes with a college-level exam which provides an opportunity for students to earn free university credits. With the wide variety of AP choices offered in Mesa Public Schools, students may choose which AP subjects best meet their needs, and whether to take one or many.

For more information about the AP program and specific courses, students and parents are encouraged to visit <https://apstudent.collegeboard.org>.

Arizona Interscholastic Association (AIA)

<http://www.mesasports.org/aia>

Students involved in AIA competition programs must pass all classes and maintain a minimum class load of five classes through the end of each grading period (except 7th and 8th semesters). Student athletes must be enrolled in a minimum of five courses during the first six semesters and be on target to graduate in the 7th or 8th semester. Fewer than five classes are permitted in the 7th and 8th semesters if students remain on track for graduation.

Career & Technical Education (CTE) Programs of Study

<http://www.mpsaz.org/cte>

The purpose of CTE is to help students acquire technical and academic skills, make informed decisions about occupational program options, and make a seamless transition to post-secondary programs. A full list of CTE Programs of Study can be found at: www.mpsaz.org/cte/program. Mesa Public Schools participates with the Maricopa Community College District in many articulated programs in which students may receive college credit for courses taken in high school. CTE programs include: Agricultural Science, Automotive Technologies, Biomedical, Biotechnology, Business Operations Support and Assistant Services, Computer Maintenance, Construction Technologies, Culinary Arts, Digital Photography, Digital Publications, Drafting & Design Technologies, Engineering, Education Professions, Financial Services, Graphic Design, Advanced Manufacturing and Engineering Technologies, Sales & Marketing, Software Development, Sports Medicine & Rehab Services, Theater Design and Management, Video Production and Welding.

Career & Technical Education Internship Programs

<http://www.mpsaz.org/cte>

Career and Technical Education Internship Programs are the capstone classes to all CTE programs. These programs provide CTE students an opportunity to engage in learning through participation in a structured work experience that involves the application of previously developed CTE knowledge and skills. CTE programs of study include: Agricultural Science, Automotive Technologies, Biomedical, Biotechnology, Cabinetmaking, Computer Technology, Construction Technologies, Culinary Arts, Cybersecurity, Digital Photography, Digital Publications, Drafting & Design Technologies, Engineering, Education Professions, Advanced Manufacturing Technologies, Sales & Marketing, Sports Medicine & Rehab Services, Theater Design and Management, Video Production and Welding.

Credit Recovery Program

Credit Recovery is available at all MPS high schools. Students who need to recover credit from a failed core academic course required for graduation may do so through the afternoon/evening program. Credit Recovery also provides an opportunity for students under the age of 22, who are not enrolled in a full-time program in MPS, to complete required courses for graduation. See a counselor for more information. **NOTE: Colleges and universities may not allow credit recovery courses to be used to meet entrance or NCAA requirements.**

Dual Enrollment College Courses

Dual enrollment courses are college courses that are taught on the high school campus through a Dual Enrollment Intergovernmental Agreement (IGA) with a community college. Dual credit courses require payment of college tuition and successful completion of a college test. Successful completion of a three (3) hour dual credit course is equal to one-half (1/2) high school credit. Consult with your counselor regarding dual enrollment opportunities at your school. Dual enrollment courses utilize approved college level content and curriculum.

East Valley Institute of Technology (EVIT)

EVIT is a separate school district apart from Mesa Public Schools offering technical training in vocational areas. Completion of a series of courses culminates with a Skill Profile indicating the degree of competencies for entry level job positions. EVIT vocational/technical training can also lead to advanced education in students' chosen fields of study. EVIT students attend vocational/technical courses one-half of each day. The other half is spent at their home high school for core academic courses.

International Baccalaureate (IB)

<http://www.mpsaz.org/ib>

The International Baccalaureate (IB) Programme, available at Westwood High School, provides students with challenging coursework that engages their creative talents, develops critical thought and instills excellent scholarship. While pursuing the prestigious IB Diploma or the IB Career Program Certificate, students engage in unique educational opportunities such as research-based personal projects, the annual IB Leadership Institute and multiple community outreach activities. Note: universities may grant students advanced status and/or college credit based on completion of the IB Diploma or IB Career Program requirements.

Incoming high school students participate in the IB Middle Years Program (MYP) which provides 9th and 10th graders the opportunity to develop interpersonal skills while engaging in student-centered learning. MYP students learn to make practical connections between their studies and the real world as they prepare for the transition into the IB Diploma Program (DP) or the IB Career Program (CP) as juniors and seniors. The MYP culminates with the Personal Project that allows students the opportunity to demonstrate mastery of their new skills as creative, critical and reflective thinkers.

The IB Career-related Program (CP) is a new and exciting learning option for students who are interested in pursuing a career-related education in their final two years of high school. It provides a foundation to support their core class studies and additionally, prepares students for success in the workplace.

The IB Diploma Program (DP) for juniors and seniors at Westwood is Mesa Public School's leading college prep program that is respected by universities across the globe. The DP is an academically challenging and balanced program of education that addresses the intellectual, social, emotional and physical well-being of students. The DP curriculum is made up of six subject groups and the DP core that includes Theory of Knowledge (TOK), Creativity, Activity, Service (CAS) and the Extended Essay.

MPS Independent Study

Independent Study provides students opportunities to study areas of content not offered as part of the regular curriculum. Courses offered in the regular curriculum cannot be taken as Independent Study, nor can an Independent Study course be substituted for a specific graduation requirement. Generally, Independent Study courses carry elective, non-weighted credit.

Independent Study must be pre-approved by MPS school administration and sponsored, monitored, and graded by an MPS staff member. Students may accrue up to two (2) elective credits of Independent Study to fulfill graduation requirements.

Mesa Digital Learning Program (MDLP)

<https://www.mdlp.org>

The Mesa Digital Learning Program (MDLP) is an accredited online program sponsored by Mesa Public Schools that provides courses to students in Mesa and throughout the state of Arizona. Students may enroll on a concurrent or full-time basis, with the option to complete all coursework and earn a high school diploma through MDLP.

MDLP is an open entry/open exit program and offers flexibility by allowing students to complete coursework according to their own schedule. Courses emphasize critical reading and writing, and require independent learning. **MDLP courses are written by appropriately certified teachers and are aligned to district curriculum and state standards. Students must complete all assignments and pass a proctored final exam with minimum competency to receive course credit.**

MDLP is NCAA accredited for athletes interested in playing Division I or II college sports.

Students attending a Mesa School who would like to take MDLP courses must consult with their counselor prior to registering.

High school seniors should be aware of earlier deadlines for MDLP course completion to fulfill graduation requirements.

For more information about the Mesa Digital Learning Program, and a comprehensive list of approved MDLP courses, please go to www.mdlp.org or call 480-472-7285.

Mesa Virtual Campus (MVC)

<http://www.mpsaz.org/mvc>

Mesa Virtual Campus (MVC) provides virtual, synchronous (live) instruction to students in grades K-12. Students enroll on a full-time basis and participate in courses according to a traditional school calendar. MVC operates as a choice program, and students remain attached to the previous MPS brick and mortar school of enrollment (or geographic boundary school if not previously enrolled in an MPS school) for purposes of funding and accountability. For more information about MVC, please visit the website www.mpsaz.org/mvc.

ADDITIONAL DIPLOMA DESIGNATIONS

<http://www.mpsaz.org/curriculum/curriculum-2a/>

Advanced Government and History Designation

<http://www.mpsaz.org/mtnview/academics/advgovhis/>

The Advanced Government and History Designation is an in-depth study of the social sciences emphasizing civic participation and civic literacy. To qualify for this designation, students must successfully complete (1) Advanced Placement US History and Advanced Placement United States Government and Politics with the requirement of taking the AP exam (2) 1 additional full credit from approved Social Studies elective in grades 10-12 and (3) a senior-year capstone project presented and approved before a panel of education professionals. Students enrolled in this course of study have the opportunity to earn college credits through Advanced Placement exams, and those who complete all requirements for this designation will earn a seal on their high school diploma. (Available at Mountain View High School)

Advanced Placement (AP) Capstone Diploma

<http://www.mpsaz.org/rmhs/academics/apcapstone>

The College Board's AP Capstone™ is an innovative college-level program based on two new courses — AP® Seminar and AP Research — that complement and enhance discipline-specific AP courses.

The program immerses high school students in the challenging practice of the critical skills students need today. The ability to think independently, write effectively, research, collaborate, and learn across disciplines is essential for success in college and beyond.

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma™. This option allows students taking multiple AP courses to distinguish themselves to colleges and universities. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate™. (Available at Dobson and Red Mountain High Schools)

Advanced STEM Designation

<http://www.mpsaz.org/rmhs/academics/stem>

The Advanced STEM Diploma Designation is an innovative model blending rigorous honors and Advanced Placement (AP) curricula with STEM fields of study in Biomedical Sciences, Biotechnology, and Engineering. To qualify for this designation, students must successfully complete six (6) or more Advanced Placement (AP) or International Baccalaureate (IB) courses and earn a score of three (3) or better on those 6 AP or IB exams. Additionally, students must successfully complete a minimum of two (2) years in a single STEM Pathway — Biomedical Sciences, Biotechnology or Engineering. Students enrolled in this course of study have the opportunity to earn college credits through advanced placement exams or dual enrollment, and those who complete all requirements for this designation will earn a seal on their high school diploma. (available at Red Mountain High School and Westwood High School)

Arizona Seal of Arts Proficiency

<http://www.mpsaz.org/arts/artseal/>

The Arizona Seal of Arts Proficiency is designed to recognize MPS graduating high school seniors who have completed a rigorous course of study in the Arts and have created a digital portfolio with the required components. A student will show evidence that they have completed a minimum of 4 qualifying credits with a B or higher in Art, Music, Dance, Visual Art, or Media Arts. In addition, 80 hours of qualifying arts extra-curricular or community service activity and a capstone project including a public demonstration of their work. Students who apply will be guided by a mentor and it is recommended that students begin the process as early as the freshman year. Students who complete the required components will receive a seal from the Arizona Department of Education to be placed on their diplomas. Please see the Arts Seal website for more detailed and specific information.

Arizona State Seal of Biliteracy

<http://www.mpsaz.org/worldlanguages>

The Arizona State Seal of Biliteracy recognizes students who graduate from a school operated by a school district and who have attained a high level of proficiency in one or more languages in addition to English. The Seal of Biliteracy encourages students to pursue biliteracy, honors the skills students attain, and can be evidence of skills that are attractive to future employers and college admissions offices. The seal requires students to show high levels of proficiency in English by successfully completing all English requirements for graduation with an overall grade point average in those classes of 2.0 or higher on a 4.0 scale, or the equivalent. Students must also show high levels of proficiency in English by receiving a passing score in English Arts on the state assessment. The student must attain the required score on a language assessment as adopted by the State Board of Education. Students who successfully complete the requirements will earn a seal on their high school diploma. (All MPS high schools)

MPS seniors interested in The Arizona State Seal of Biliteracy will need to meet the state requirements and apply through the district's World Languages Department by the end of the first quarter of their senior year. Visit the World Languages website for more information and the complete application process, <http://www.mpsaz.org/worldlanguages>.

Career & Technical Education (CTE) AZ State Program Completer & Industry Certification

<http://www.mpsaz.org/cte>

Students who complete a two or three year CTE Program of Study will earn a program completer certificate and be recognized at an end-of-year ceremony. All Career and Technical Education programs lead to college and career pathways. For more information on dual enrollment options available, please go to www.mpsaz.org/cte/program. CTE programs lead to industry certifications that will qualify students for employment after high school. (Available at all MPS High Schools)

International Baccalaureate (IB) Career Program Certificate

<http://www.mpsaz.org/ib>

The IB Career Program (CP) offers students the opportunity to earn both the IB CP certificate as well as certification from CTE or JROTC programs. To be eligible to earn the IB CP certificate, students must complete at least two IB Diploma classes as a junior and senior in addition to completing their Career Program (CTE/JROTC) of choice. Students also complete a Personal and Professional Skills (PPS) course, 50 hours of service learning, a language development portfolio, and a Reflective Project of their choice. In acknowledgment of earning this internationally recognized certificate, IB students may be eligible to receive college credit and have access to IB specific scholarships that colleges/universities may offer. (Available at Westwood High School)

MPS Advanced Honor for Excellence in Academics

<http://www.mpsaz.org/curriculum/curriculum-2a/>

MPS students planning to apply to universities with competitive admission requirements may pursue the MPS Advanced Honor for Excellence in Academics designation. Requirements for this designation are outlined below. (Available at all MPS High Schools)

CURRICULUM	MPS ADVANCED HONOR FOR EXCELLENCE IN ACADEMICS
ENGLISH <i>(see advanced sequence for English courses)</i>	4
MATHEMATICS <i>(see advanced sequence for Mathematics courses)</i>	4 <i>(Algebra I, Geometry, Algebra II and an *advanced math)</i>
SCIENCE <i>(see advanced sequence for Science courses)</i>	4 <i>Different lab sciences Biology, Chemistry, and two additional sciences, one (1) must be an **advanced science course</i>
SOCIAL STUDIES <i>(see sequence for Social Studies courses)</i>	3 <i>World History, American History, Government and Economics</i>
WORLD LANGUAGE	3 same language or 2 years each in 2 different languages
ARTS	1 <i>fine or practical (CTE) arts</i>
PHYSICAL EDUCATION***	1
ELECTIVE COURSES	4
TOTAL REQUIRED COURSES	24
GRADE POINT AVERAGE	3.25+ (unweighted) GPA <i>A minimum of 3 weighted credits. Two (2) credits must be AP or IB courses.</i>
STATE REQUIRED ASSESSMENTS	American Civics Test <i>(60/100 correct) (See page 10 for more information)</i>

* "Advanced mathematics" is a mathematics course with Algebra II as a prerequisite.

** "Advanced science" includes SC 46, SC 48, SC 52, SC 54, SC 55, SC 72, SC 75, SC 77, SC 79, SC 80, SC 81, SC 90, SC 91, SC 92, SC93, SC 94, SC 95, SC 96, SC 97. Students are required to successfully complete a course in SC 49 Biology, SC45 Honors Biology, or AG 32 Applied Biological Systems in the 9th or 10th grade AND take the AzSCI Science assessment in 11th grade.

*** Hands only CPR will be taught in each Physical Education class to fulfill Arizona State Statute requirements.

MPS Seal of Musical Excellence

<http://www.mpsaz.org/arts/music/conservatory>

The MPS Seal of Musical Excellence, offered through the Conservatory Program at Mountain View High School, is designed for students who are interested in an intense course of study in the area of music, possibly in preparation for a career in a music field. To qualify, students must have taken two years of the same performance area (band, choir, or orchestra) in junior high school, receiving a grade of "B" or higher in all music courses. Once in high school, students must continue to participate in this same performance area for four years. In addition, students must complete advanced music coursework including music history, music theory, world music, and piano. Students must also complete two credits of the same World Language, as well as complete auditions for the Arizona all-region performing groups. Students must receive a grade of "B" or better in all music courses to qualify for the seal. Upon completion, students in this course of study (Class of 2022 and beyond) will have the opportunity to earn the MPS Seal of Musical Excellence on their diploma. (Available at Mountain View High School)

MPS Service Learning Honor for Excellence

<http://www.mpsaz.org/msl>

Students will be eligible for the Honor for Excellence in Service Learning seal on their diploma upon completion of approved service learning throughout their four years of high school. Beginning with the graduating class of 2019-2020, 200 hours will be required. Students may earn hours from a combination of curriculum based service learning and extracurricular service sponsored by school clubs or community organizations. (Available at all MPS High Schools)

ADMISSION TO COLLEGES AND UNIVERSITIES

Students planning on higher education should determine the entrance requirements of the particular school they wish to attend. Admission requirements to colleges and universities vary greatly. Students should consult the catalog of the college or university they are interested in attending to determine the exact requirements. Catalogs may be accessed on-line from the colleges and universities. Many catalogs are available in the student advisement offices and/or the Career Centers. Applicants for Arizona public universities must meet the following general requirements:

1. For assured admission, the universities will admit applicants who meet basic aptitude and competency requirements. To meet aptitude requirements, students must earn a 3.0 on a 4.0 unweighted grade scale on 16 “core” classes, or rank in the upper 25% of their high school graduating class. To meet competency requirements, students must demonstrate academic competency in each of the sixteen (16) required subjects (core competencies). For delegated admission, students must be in the upper 50% of the graduating class and must lack no more than one credit in no more than two basic competency subjects. Deficiencies in both math and lab sciences are not acceptable.
2. The ACT or SAT represent one pathway for admission to state universities and are highly recommended for reasons other than admissions, such as scholarship opportunities and placement in more rigorous programs of study. It is highly recommended that these exams be taken during the spring of the student’s junior year. In addition, it is recommended that students take the Preliminary SAT (PSAT) prior to taking the ACT or SAT. The PSAT may qualify students to enter competitions for scholarships and participate in recognition programs through the National Merit Scholarship Corporation.
3. National Collegiate Athletic Association (NCAA) Eligibility: All prospective student athletes who intend to participate in Division I or II athletics as freshmen in college must register and be certified by the NCAA Initial-Eligibility Clearinghouse by June 15 upon completion of their junior year. A specific group of courses is required by NCAA. NCAA approved high school courses taken as an 8th grader that appear on the high school transcript may be recognized by NCAA. NCAA will not recognize high school courses taken in 7th grade or prior years. Note: Effective 8/1/10 the NCAA does not accept most non-traditional courses (correspondence, on-line, etc.).
4. GENERAL UNDERGRADUATE ARIZONA UNIVERSITY ENTRANCE REQUIREMENTS (as of November 2016):
 - **ENGLISH** - Four (4) years of high school English (composition/literature based).
 - **MATHEMATICS** – Four (4) years of high school courses (Algebra I, Geometry, Algebra II and an advanced math class for which Algebra II is a prerequisite).
 - **SCIENCE** – Three (3) years of different high school laboratory sciences (one year each from three of the following: Biology, Chemistry, Earth Science or Physics. An integrated science or an advanced science may be substituted for one required course).
 - **SOCIAL SCIENCE** – One (1) year of high school American History, and one (1) year of high school social science (e.g., World History, Economics, Government, Psychology, Geography, Sociology or Anthropology).
 - **WORLD LANGUAGES** – Two (2) years of the same high school language, or attainment of a minimum score on a national standardized foreign language test or placement into a third semester college foreign language class based on university placement exam results.
 - **FINE OR PRACTICAL (CTE) ARTS** – One (1) year of a high school fine or practical (CTE) arts or a combination of two semesters of high school fine arts.

Questions about Arizona university admission requirements should be referred to the Undergraduate Admissions Office at each university. Students entering Arizona four-year colleges and universities, after the year in which they graduated from high school, are expected to have met the entrance requirements in effect in the year they graduated from high school.

Certain colleges within the state universities may require additional courses for admission (examples: Nursing and Forestry). Students should check with their student advisors for specific course requirements. Weighted grade point values may not be accepted by some universities for determining class rank and/or admission. Students should contact individual universities for specific grading considerations.

Out-of-state schools have additional requirements and differ considerably. It is suggested students review admissions requirements at each school to see specific requirements.

For more information visit Prepare to Succeed at www.mpsaz.org/succeed

HIGH SCHOOL COURSES

VERIFY OFFERINGS AT SCHOOL SITE

AEROSPACE SCIENCE/LEADERSHIP

Subject Area Goal

- Acquaint secondary school students with the Aerospace age
- Strengthen character
- Provide specialized studies in specific areas of national defense
- Provide leadership training and experience
- Develop informed aerospace age citizens
- Develop understanding of defense roles in a democratic society

The following applies to all Air Force JROTC Classes:

Cadets in AFJROTC have the opportunity to participate in many activities, including Color Guard, drill teams model clubs, rocketry clubs, orientation flights on USAF aircraft, and field trips to USAF bases. Textbooks and uniforms are on loan from the Air Force. Extracurricular emphasis is put on community service in the form of volunteer work. Twenty percent of each class will be devoted to wellness and physical fitness as well as basic marching drill movements and commands. Benefits to those who pursue the aerospace science program include competing for five Air Force Academy appointments and four-year ROTC college scholarships for those who are qualified; higher pay for those who enlist in the services after graduation from high school, and opportunities to gain experience in the various vocational opportunities of the aerospace industry. No military obligation is incurred through AFJROTC.

AS 44 AFJROTC I - Traditions, Wellness, and Foundations of Citizenship

2 Sem. — 1 PE Credit/Elective Credit

Introduction to leadership and aerospace. Cadets gain a basic knowledge of Junior ROTC programs, customs and courtesies, importance of a positive attitude and discipline, ethics, values and morals, social etiquette, study skills, managing stress, positive decisions, physical and mental health (including nutrition, body systems, emotional health, safe decisions regarding medicines/drugs, tobacco, & alcohol as well as basic First Aid), and the foundations of citizenship. Cadets also participate in drill, sports and physical fitness activities.

AS 45 AFJROTC II - Communication, Awareness and Leadership

2 Sem. — 1 PE Credit/Elective Credit

Course designed to improve communication, enhance awareness of self and others, and provide fundamentals of leadership and fellowship. It includes developing personal integrity. The course also emphasizes leadership and values such as service and excellence. This course incorporates skills of critical thinking, communication, collaboration, and creativity. Specific lessons include listening and writing skills, developing a positive attitude, focus on integrity, character, and respect, working in a leading teams, solving conflict and problems, as well as characteristics and styles of leadership. Cadets also participate in drill, sports and physical fitness activities.

AS 46 AFJROTC III - Life Skills and Career Opportunities

Prerequisites: Jr. or Sr.

2 Sem. — 1 Practical Arts/Elective Credit

Leadership education emphasizes life skills needed such as financial planning including how to budget, save, invest, and spend money wisely as well as how to avoid the credit trap. Cadets learn about real-life issues such as understanding contracts, leases, and personal bills. In addition, the cadets will learn about job applications, resumes, interviews, career opportunities and skills as well as selecting and applying for college. Cadets assume leadership positions in the cadet corps. Cadets also participate in drill, sports and physical fitness activities.

VERIFY OFFERINGS AT SCHOOL SITE

AEROSPACE SCIENCE/LEADERSHIP

AS 47 AFJROTC IV - Fundamentals of Management

Prerequisites: AS 31, AS 32

2 Sem. — 1 Credit

This course is designed for the fourth-year JROTC cadet. Its aim is to provide an introduction to basic management concepts and skills including and introduction to management, project management, planning, decision making, time management, and interpersonal skills. The course is intended as a hands-on experience affording cadets the opportunity to put theories of previous leadership courses into practice through applying theories and techniques learned in previous leadership courses through planning, organizing, coordinating, directing, controlling, and decision-making. Cadets also participate in drill, sports and physical fitness activities.

AS 35 AFJROTC Drill Team/Color Guard

Prerequisites: Must enroll in another AFJROTC course

2 Sem. — 1 Credit

This course introduces students to the principles of teamwork, neatness and precision drill. It builds confidence and strengthens self-esteem. Drill is a very positive activity that instills a heightened sense of discipline and leadership. In addition to drill classes will include physical fitness programs and activities such as volleyball, softball, racquetball, and ultimate frisbee. **NOTE: This course may count in lieu of P.E. requirement.**

AS 36 AFJROTC V (Honors) - Private Pilots Ground School

Prerequisites: AS 31, AS 32

2 Sem. — 1 Credit

Private Pilots Ground School: In depth study of flight environment, aircraft systems, engines, weather, air space, navigation, physiology of flight, and Federal Aviation Regulations. Graduates of this course have been given enough information to pass FAA Private pilots written exam. Student must be approved by the Senior Aerospace Science instructor prior to entry.

AS 41/42/43 AFJROTC Cadet Leadership Course

Summer — ½ Credit

Prerequisites: One year in JROTC, good physical condition and approval of the Senior Aerospace Science Instructor.

Program presents leadership situations to cadets in a 24-hour military type situation for the full 7-day camp. Academics will vary with the theme of the camp, which will cover different aspects of a military career. Leadership Education will include dress and appearance, drill and customs and courtesies along with other selected topics. The school includes morning physical training, sports, field training and usually a selected field trip. Student leaders are chosen on years in JROTC and merit. Course numbers are sequential for the number of years attended for 1/2 credit given for each year. Course requires a fee for room, board and transportation from \$35 to \$50.

AS 99 Independent Study

ART

Subject Area Goal

The student will participate in aesthetic activities that will promote visual awareness and develop occupational potential and creative use of leisure time.

AR 37 Introduction to Cartooning

Prerequisite: Beginning Drawing

1 Sem. — ½ Fine Arts/Elective Credit

This course will focus on a variety of cartooning techniques. Students will study basic construction, anthropomorphism, caricature, and the basic of sequential storytelling. Different genera and styles will be explored, as well as character creation. **NOTE: Course fee required.**

VERIFY OFFERINGS AT SCHOOL SITE

ART

AR 40 Beginning Stained Glass

1 Sem. — ½ Fine Arts/Elective Credit

For those wanting to learn general techniques used in making stained glass objects. Student will develop their own patterns. **NOTE: Course fee required.**

AR 41 Beginning Ceramics

1 Sem. — ½ Fine Arts/Elective Credit

For those desiring to understand ceramic techniques, procedures, and principles, both potter's wheel and hand building. Emphasis on three-dimensional design. **NOTE: Course fee required.**

AR 42 Intermediate Stained Glass

1 Sem. — ½ Fine Arts/Elective Credit

Prerequisite: Beginning Stained Glass (AR 40)

Emphasis on Advanced Stained Glass Techniques. The construction of boxes, picture frames, panel lamps and kaleidoscope will be explored. Introduction to glass fusing, slumping, and draping techniques in the making of two and three dimensional glass projects. Students will develop their own patterns. **NOTE: Course fee required.**

AR 43 Intermediate Ceramics**Prerequisites:** AR 41

1 Sem. — ½ Fine Arts/Elective Credit

Beginning of product orientation with some emphasis on quantity and quality of work. Glaze formulation, Raku firing and finishing, producing ceramic objects all term. **NOTE: Course fee required.**

AR 45 Advanced Ceramics**Prerequisites:** AR 43

1 Sem. — ½ Fine Arts/Elective Credit

Extends improvement of hand-built and wheel throwing skills. Includes glaze formulation and advanced clay experiences such as Raku. Provides independent study in advanced work or interest areas. Course may be repeated by teacher approval. **NOTE: Course fee required.**

AR 46 Advanced Stained Glass

1 Sem. — ½ Fine Arts/Elective Credit

Emphasis on Advanced Stained Glass Techniques. The making of two and three dimensional glass projects. Students will develop their own patterns, develop and reflect on style in various glass processes. **NOTE: Course fee required.**

AR 51 Beginning Enamel

1 Sem. — ½ Fine Arts/Elective Credit

Enameling is the process of applying brightly colored glass to metal (copper) and fusing the two together through the use of heat. The piece is fired in an enameling kiln. The firing time is only minutes, so students see their results immediately. Students will make beautiful objects or jewelry of their own design. The seven techniques of enameling that will be taught are: stenciling, sgraffito, cloisonne, basse-taille, champlevé, grisaille, and plique-a-jour. **NOTE: Course fee required.**

AR 54 Beginning Jewelry

1 Sem. — ½ Fine Arts/Elective Credit

Construct jewelry using the sheet method with copper, silver, and nickel silver. Includes use and care of hand tools and soldering equipment. Creativity in design is stressed. **NOTE: Course fee required.**

AR 56 Intermediate Jewelry**Prerequisites:** AR 54

1 Sem. — ½ Fine Arts/Elective Credit

Lost-wax casting method of jewelry making, set stones, and work with various kinds of waxes to produce the model for casting jewelry. Emphasis on design quality and aesthetic attitude determined by application of principles of design. **NOTE: Course fee required.**

AR 58 Advanced Jewelry**Prerequisites:** AR 54 & 56

1 Sem. — ½ Fine Arts/Elective Credit

Continuation of processes learned in AR 54 and 56. For the serious student to gain proficiency or pursue a personally planned outline of activity. **NOTE: Course fee required.**

VERIFY OFFERINGS AT SCHOOL SITE

ART

AR 60 Beginning Painting

1 - 2 Sem. — ½ - 1 Fine Arts/Elective Credit

Prerequisites: AR 63 Required or Instructor Approval

Water color and acrylic paints. Emphasis on basic techniques and composition. Paint abstract and realistic still life figures and landscapes. A variety of painting media is used. Previous drawing class strongly recommended. **NOTE: Course fee required.**

AR 61 Intermediate Painting**Prerequisites:** AR 60

1 Sem. — ½ Fine Arts/Elective Credit

A more comprehensive understanding, appreciation, and explanation of painting. Develop skills, knowledge and techniques using various painting media. **NOTE: Course fee required.**

AR 62 Advanced Painting**Prerequisites:** AR 61

1 - 2 Sem. — ½ - 1 Fine Arts/Elective Credit

Work on individual basis with teacher developing skills and techniques on an advanced level, beginners and advanced students in the same class. **NOTE: Course fee required.**

AR 63 Beginning Drawing

1 Sem. — ½ Fine Arts/Elective Credit

Learn to manipulate form, line and texture in pencil and ink. Realistic approaches made in drawing figures, landscapes, portraits and still life. **NOTE: Course fee required.**

AR 64 Intermediate Drawing**Prerequisites:** AR 63

1 Sem. — ½ Fine Arts/Elective Credit

A more comprehensive understanding, appreciation and exploration of drawing. Develop skills, knowledge, and techniques using various media. **NOTE: Course fee required.**

AR 66 Advanced Drawing

1 Sem. — ½ Fine Arts/Elective Credit

Prerequisites: Satisfactory AR 63, AR 64

Emphasis on developing style and reflecting that style in various drawing processes. **NOTE: Course fee required.**

AR 69 Introduction to Sculpture

1 Sem. — ½ Fine Arts/Elective Credit

Students will explore the history, methods and materials of sculpture. Students will be expected to design and construct a series of sculptures using a variety of methods and materials. **NOTE: Course fee required.**

AR 71 Art Design with Photoshop II

1 Sem. — ½ Fine Arts/Elective Credit

Continued reinforcement and exploration of art produced through the use of the computer. Students will further develop their art expressions by utilizing a variety of imaging techniques, photo manipulations, and art presentation methods to develop portfolios. **NOTE: Course fee required.**

AR 72 Art Design with Photoshop III**Prerequisites:** AR 71

1 Sem. — ½ Fine Arts/Elective Credit

A more in-depth exploration of the complexities of the Photoshop program will help to acquire the comprehensive skills needed to effectively utilize higher levels of image editing, creative designing, and art presentation practices. Students will be challenged to produce a thematically-linked series which focuses on individual student choices and styles which will be dispersed through portfolio production methods. **NOTE: Course fee required.**

VERIFY OFFERINGS AT SCHOOL SITE

ART

AR 77 AP 2-D Art and Design

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: At least 2 semesters (can be concurrent enrollment) in advanced art classes.

A variety of drawing media is used. Offers the highly skilled art student guidelines and instructions in the production and presentation of a portfolio for occupational or higher educational placement. Students will specialize in Drawing portfolio options. Students will take an AP exam in May. See your school counselor if you have a financial hardship.

NOTE: Course fee required. NOTE: This is a weighted course.**AR 78 AP 3-D Art and Design**

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: At least 2 semesters (can be concurrent enrollment) in advanced art classes.

A variety of 3D media is used. Offers the highly skilled art student guidelines and instructions in the production and presentation of a portfolio for occupational or higher educational placement. Students will specialize in 3-D portfolio options. Students will take an AP exam in May. See your school counselor if you have a financial hardship. **NOTE: Course fee required. NOTE: This is a weighted course.**

AR 79 AP Drawing

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: At least 2 semesters (can be concurrent enrollment) in advanced art classes.

A variety of drawing media is used. Offers the highly skilled art student guidelines and instructions in the production and presentation of a portfolio for occupational or higher educational placement. Students will specialize in Drawing portfolio options. Students will take an AP exam in May. See your school counselor if you have a financial hardship. **NOTE: Course fee required. NOTE: This is a weighted course.**

AR 82 AP Art History

2 Sem. — 1 Fine Arts/Elective Credit

The Advanced Placement Program in History of Art is a full-year introductory college course in the history of art (primarily western art, with some attention to the art of other cultures). The course is designed to increase the student's knowledge of art, artists, schools and movements; chronological periods and specific dates; and the subjects, styles and techniques of particular works of art. Students will take an AP exam in May. See your school counselor if you have a financial hardship. **NOTE: Course fee required. NOTE: This is a weighted course.**

AR 90 IB Middle Years Art

1 Sem. — ½ Fine Arts/Elective Credit

Prerequisite: Participation in IB Middle Years Program

Students learn that art is a form of creativity through research, reflection, craftsmanship, evaluation and art appreciation. Students will use a combination of drawing, painting, sculpture, graphic design, and other techniques to understand the elements and principles of art, and work in a variety of media. The class will focus on three fundamental concepts: holistic learning, intercultural awareness, and communication. Through a variety of multicultural activities, students will develop open-mindedness and greater cultural awareness. Throughout this course, emphasis will be placed on developing the characteristics of respect, balance, honesty, courage and insightfulness. **NOTE: Course fee required.**

VERIFY OFFERINGS AT SCHOOL SITE

ART

***AR 91 IB Film Studies**

Grades 11-12

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Student must be admitted to the IB program.

Through the study and analysis of film texts and exercises in film-making, the Diploma Programme film course explores film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film. To achieve an international understanding within the world of film, students are taught to consider film texts, theories and ideas from the points of view of different individuals, nations and cultures. **Note: This is a weighted course.**

AR 99 Independent Study**Frequently Asked Questions About Art**

ARE THERE ANY PREREQUISITES FOR ANY OF THE ART CLASSES? **Students should take the beginning level class before entering the intermediate and advanced level classes. See course description for specific courses.**

CAN STUDENTS TAKE MORE THAN ONE PERIOD OF ART? **Generally, yes, provided the above requirement is met.**

IF STUDENTS HAVE HAD ART CLASSES AT ANOTHER SCHOOL, CAN THEY SKIP THE PREREQUISITE FOR AN UPPER GRADE CLASS? **No.**

DO STUDENTS NEED TO BE ABLE TO DRAW IN BEGINNING ART CLASSES? **No. Willingness to work and a desire to learn is all that is required.**

WHAT COURSE CONTENT SATISFIES THE ARIZONA UNIVERSITIES' REQUIREMENTS FOR ONE CREDIT IN FINE ARTS? **Fine Arts courses are defined as those that provide the opportunity to gain experience and knowledge in production and performance, analysis, interpretation and evaluation, and historical and cultural aspects of the visual and performing arts. See your counselor for specific classes.**

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

*NOTE: Courses that will meet the core competency requirements for Arizona universities are marked with an asterisk.**

Subject Area Goal

The student will develop 21st Century workplace readiness skills, and acquire knowledge and proficiency in Career and Technical Education programs. Each program area lists the recommended courses in sequence, to complete a program of study.

Essential Skills

The student will:

- Apply critical thinking and problem solving skills
- Apply academic skills in given situations
- Demonstrate safety skills appropriate to program area
- Use current industry standard technology and equipment to meet state standards
- Demonstrate entry-level occupational skills in certain program areas
- Demonstrate leadership skills
- Assess personal strengths to assist in career choice

EXPLORATION**CE 01 Career Exploration**

1 Sem. — ½ Elective Credit

This class offers hands-on learning experiences that will give students the opportunity to explore various career pathways and begin developing 21st Century workforce skills. This class will facilitate the exploration process of Career Cluster occupational areas which include, but are not limited to: agriculture, architecture and construction, audio/video technology and communications, business management, education professions, finance, health sciences, information technology, marketing, and science, technology, engineering and mathematics. Students will develop an Education Career Action Plan, relate school experiences to occupational choices, and explore the relationship between work and broader life roles.

CE 05 Introduction to Inquiry

1 Sem — ½ Elective Credit

This course will prepare students to use curiosity and imagination to inspire new ideas as well as reinforce investigative skills and learn there is more than one way to solve a problem through inquiry based learning. Students will have the opportunity to increase skills in asking questions, researching topics in-depth, validating sources of information, discussing viewpoints and perspectives, presenting and reflecting on their learning in a capstone project. This class puts the student at the center of learning. These skills will assist in developing ethical, inclusive, and resilient attitudes as students transition to the high school level. This course is recommended to be taken in conjunction with CE 01 Career Exploration.

CE 21 IB Personal and Professional Skills

2 Sem. — 1 Elective Credit

This course is designed to develop IB Career-Related Program students' critical thinking, intercultural understanding, communication, and personal development. Approaches to Learning (ATL skills) introduced in this course aims to challenge students to draw on personal resources and skills from their career-related field of study to engage critically with the world around them. The topics addressed in ATL will be about ethical dilemmas, deductive and inductive reasoning, culture shock, academic honesty, and emotional intelligence. The personal professional skills course will also dedicate time to the in-depth work on the Reflective Project. The Reflective Project requires students to identify, analyze, critically discuss and evaluate an ethical dimension of an issue stemming from their career-related studies. This course is required for students seeking the IBCP certificate. **NOTE: This is a weighted course.**

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

EXPLORATION**IT 04 Introduction to Environmental Services**

2 Sem. — 2 Fine/Practical Arts/Elective Credit

Environmental Services is a two year program that will introduce students to the global skills associated with industrial maintenance trades. This is a 2 hour class that will focus on developing job skills and custodial related skills. Students will learn hard floor care, carpet care, hotel/motel housekeeping, commercial laundry and auto detailing. This class is targeted for students with work readiness and measurable postsecondary goals.

IT 06 Advanced Environmental Services

Prerequisite: IT 04 2 Sem. — 3 Fine/Practical Arts/Elective Credit

Students will continue to learn and apply skills for the industrial and custodial maintenance trades. This course will focus on employability skills and give students the opportunity to participate in internship and job shadowing experiences.

AGRICULTURAL SCIENCE

ADE/CTE approved program for AgriScience.

***AG 32 Applied Biological Systems**

2 Sem. — 1 Biological Science/Practical Arts/Elective Credit

Prerequisites: See page 9 *

Major areas of study: cell function and structure, anatomy, nutrition,

biological systems in the environment, plant growth, animal growth, food safety and processing, communication and leadership skills. May include dissection. Leadership development is provided through FFA. Fulfills college entrance and district graduation requirements as a lab science and will count toward the scholastic diploma. **NOTE: Course fee required.**

AG 34 Plant and Animal Science

2 Sem. — 1 Additional Science/Practical Arts Credit

Prerequisites: AG 32 or SC 49

This course is designed to introduce students to the fundamentals of animal and plant sciences including anatomy, physiology, genetics, reproduction, growth, nutrition, health, plant growth and development, hydroponics, propagation, nutrition, pests, greenhouse management, landscape plant identification and employability skills. Students will work on the land laboratory with small and large animals, and within the plant and animal facilities. Students will be required to maintain an SAE. Students will participate in FFA where they will develop skills for leadership and career success.

AG37 Innovative Agriculture

Prerequisite: AG 34 2 Sem. — 1 Practical Arts/Elective Credit

This course is designed to integrate advanced methods of animal and plant management systems. Students will expand upon the diverse facets of agriculture and future career opportunities. Employability skills and core agricultural topics will be developed through industry visits. Students will participate in FFA and have a required SAE where students will develop skills for leadership and career success.

CT 53 Agricultural Science - Internship

(see Work Based Learning Section)

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

AUTOMOTIVE TECHNOLOGIES*ADE/CTE approved program for Automotive Technologies.***IT 92 Automotive Systems and Repair****2 Sem. — 1 Practical Arts/Elective Credit**

This course will provide students with hands-on experience in automotive systems, maintenance and repair. Topics will focus on various systems of the automobile which include preventive maintenance, tires, electrical/electronic systems, tune-ups, brakes, and engine operations. Safety will be emphasized. **NOTE: Course fee required.**

IT 93 Automotive Systems and Diagnostics**Prerequisites:** IT 92**2 Sem. — 1 Practical Arts/Elective Credit**

This course will provide an advanced study of the automotive repair industry. Topics will include tune-ups, engine service, chassis, and brake repairs. Students will learn management and leadership skills needed to be successful in the automotive industry, including performance and aftermarket modifications. Safety will be emphasized. **NOTE: Course fee required.**

IT 95 Advanced Automotives**Prerequisites:** IT 93**2 Sem. — 1 Practical Arts/Elective Credit**

This advanced course is designed to lead the student to certification or advanced training that is available in the automotive industry. This course applies the principles learned in the beginning and intermediate Automotive Systems courses and builds upon the tune-up, engine service, chassis and brake repairs performed in previous courses by allowing the student to do independent projects. **Note: Course fee required.**

CT 55 Automotive Technologies - Internship

(see Work Based Learning Section)

BIOMEDICAL SCIENCES*ADE/CTE approved program for Biomedical Sciences.****HE 70 Principles of the Biomedical Sciences****2 Sem. — 1 Additional Science/Practical Arts Credit**

Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, research processes and bioinformatics. This course is designed to provide an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses. This course is part of the Project Lead the Way Biomedical Sciences program. **NOTE: Course fee required.**

*** HE 71 Human Body Systems****Prerequisite:** HE 70**2 Sem. — 1 Additional Science/Practical Arts Credit**

Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries. This course is part of the Project Lead the Way Biomedical Sciences program. **NOTE: Course fee required. NOTE: This is a weighted credit.**

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

BIOMEDICAL SCIENCES*ADE/CTE approved program for Biomedical Sciences.****HE 72 Medical Interventions****Prerequisites:** HE 71**2 Sem. — 1 Additional Science/Practical Arts Credit**

Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body as students explore: how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Lifestyle choices and preventive measures are emphasized throughout the course as well as the important roles scientific thinking and engineering design play in the development of interventions of the future. This course is part of the Project Lead the Way Biomedical Sciences program. It is highly recommended that this course be taken concurrently with another life or physical science lab course. **NOTE: Course fee required. NOTE: This is weighted credit.**

HE 73 Biomedical Innovation**Prerequisites:** HE 72**2 Sem. — 1 Practical Arts/Elective Credit**

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community. This course is part of the Project Lead the Way Biomedical Sciences program. **NOTE: It is recommended that this course be taken concurrently with another life or physical science lab course. While this is a rigorous science course, this course does not meet university requirements as a life or physical science content course. NOTE: This is a weighted course. NOTE: Course fee required.**

CT 57 Biomedical Sciences - Internship

(see Work Based Learning Section)

BIOTECHNOLOGY*ADE/CTE approved program for Bioscience.****SC 48 Biotechnology Concepts and Techniques/Biotech I****2 Sem. — 1 Additional Science/Practical Arts Credit****Prerequisites or Concurrent Course:** SC45, SC46, SC49, SC58 or AG30**This course introduces students to the exciting field of biotechnology.**

An introductory course that exposes students to the potential careers in the bioscience industry. Students will be introduced to topics such as biochemistry, DNA analysis, genetic engineering, and bioethics. Students will perform techniques done in medical, forensic, and research laboratories such as micropipetting, spectrophotometry, electrophoresis, PCR, and cell culturing. This course will also teach students standard laboratory operations, instrumentation and good laboratory safety practices and procedures. **NOTE: This is a weighted course. Course fee required.**

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

BIOTECHNOLOGY*ADE/CTE approved program for Bioscience.****SC 54 Advanced Biotechnology****Prerequisites:** SC 48 **2 Sem.** — **1 Additional Science/Practical Arts Credit**

This course is designed as a continuation of the Biotechnology Program. Students will be exposed to advanced laboratory research techniques currently used in the field of biotechnology. Areas of study include proteomics, sequencing DNA, genetics disease, biomanufacturing, and genomics. **NOTE: This is a weighted course. Course fee required.**

SC 92 Scientific Research Methods**2 Sem.** — **1 Additional Science/Practical Arts Credit****Prerequisites:** SC22 or SC23 and SC45, SC46 or SC49**Prerequisites or Concurrent Courses:** SC71 or SC72

A rigorous, research-intensive course which provides students with the opportunity to conduct authentic scientific research on a competitive level. With support from local scientists and other researchers, students will develop a research topic, conduct experiments and present their results at the state regional science fair in the spring. Successful projects earn students opportunities for financial and scholarship awards, travel and networking opportunities within the scientific community. **NOTE: This is a weighted course.**

CT 59 Biotechnology Sciences - Internship

(see Work Based Learning Section)

BUSINESS LEADERSHIP, TECHNOLOGY AND OPERATIONS SUPPORT*ADE/CTE approved program for Business Operations Support and Assistant Services.***CB 09 Technology Foundations for Business****2 sem.** — **1 Practical Arts/Elective Credit**

This course is designed for students with a goal of achieving success in the business world. Students will learn to be critical thinkers, develop leadership skills and become proficient in emerging technologies that will make them more employable in the workforce. Students will learn how to manage complex projects and apply technology skills to a mock business. This course will give students the opportunity to earn professional certifications and specializations in the Microsoft Office Suite (Word, Excel, PowerPoint, and Access). Opportunities will be available for students to excel in their leadership skills through FBLA, a Career and Technical Student Organization to travel and compete.

CB 61 Business Leadership, Technology, Management**Prerequisites:** CB 09 **2 sem.** — **1 Practical Arts/Elective Credit**

This course is for students with continued interest in business leadership and technology. Students will continue to build advanced skills in Microsoft Office Suite and work towards a professional certification. Students will refine communication skills, increase leadership qualities, and experience hands-on situations through virtual business simulations. Units on personal finance, e-commerce and social media will give students a competitive advantage in the business world. Opportunities will be available for students to excel in their leadership skills through FBLA, a Career and Technical Student Organization to travel and compete.

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

CABINETMAKING*ADE/CTE approved program for Cabinetmaking.***IT 61 Cabinetmaking Technologies****2 Sem.** — **1 Practical Arts/Elective Credit**

Students will use machines and processes basic to carpentry and cabinetmaking to construct and finish a core project(s). Safety in general shop procedures, hand tools and power machinery will be stressed. Basic academics and problem-solving skills will be used daily. Approximately 20% classroom and 80% lab. **NOTE: Course fee required.**

IT 62 Advanced Cabinetmaking Technologies**Prerequisites:** IT 61**2 Sem.** — **1 Practical Arts/Elective Credit**

Designed for the intermediate technology student. Students work on products that require multiple materials and processes. Emphasis is placed on ability to construct to specifications of a plan in terms of fit, tolerance, and appearance. Instruction includes use of fixtures and templates for exact replication. Safety is stressed as in IT 61 above. Students apply academics in problem-solving daily. Approximately 20% class and 80% lab. **NOTE: Course fee required.**

IT 65 Cabinetmaking - Internship

(see Work Based Learning Section)

COMPUTER TECHNOLOGY: COMPUTER MAINTENANCE*ADE/CTE approved program for Technology Devices Maintenance.***CB 50 Computer Maintenance and Repair****2 Sem.** — **1 Practical Arts/Elective Credit**

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. Students will be refurbishing computers to be donated to non-profit organizations through Arizona StRUT (Students Refurbishing Used Technology). Course helps students prepare for the CompTIA A+ certification to establish the foundation of an entry level IT professional. Computer experience highly recommended.

CB 51 Advanced Computer Maintenance**Prerequisite:** CB 50**2 Sem** — **1 Practical Arts/Elective Credit**

Students will apply skills learned from CB50 Computer Maintenance and Repair to install, support, maintain, and upgrade computer/electronic devices. Students will work with Information Systems staff to support local technologies on their home 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 also be refurbishing computers as part of the Arizona StRUT (Students Refurbishing Used Technology) program.

CT61 Computer Maintenance Internship

(see Work Based Learning Section)

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

**COMPUTER TECHNOLOGY:
SOFTWARE AND APP DESIGN***ADE/CTE approved programs for Software and App Design.***CB 30 Exploring Computer Coding and App Development**
2 Sem. — 1 Practical Arts/Elective Credit

This course uses technology to teach innovative, hands-on, team based, problem solving skills while developing programming and application knowledge. Students will explore real world computing problems that address social and ethical issues while delivering foundational computer science knowledge. Students will be introduced to: human computer interaction, problem solving, web design, programming, data analysis, and robotics. Students will engage in several in-depth projects to demonstrate the real-world applications of computing. Successful completion of this course prepares students for AP Computer Science coursework.

CB 36 Coding, App and Web Stack Development
Prerequisite: CB 30 2 Sem. — 1 Practical Arts/Elective Credit

Students will be build on coding concepts and will learn front and back end web development and database design. This includes learning how to code websites for browsers and mobile devices, with languages such as HTML, CSS, C# and Ruby. Students will learn database design that interface with web applications using MySQL. This course may lead to a full stack development credential.

CB 37 Introduction to Apple iOS App Development
Prerequisite: CB30 2 Sem. — 1 Elective Credit

Students will learn how to code and develop applications for Apple iOS devices by utilizing the XCode application, and the programming languages Objective-C and/or Swift. Students will utilize iOS frameworks and iOS hardware and feature basics. Students will go throughout the entire design process from concept to final product delivery.

CB 39 AP Computer Science Principles
Prerequisites: CB 30 2 Sem. — 1 Practical Arts/Elective

AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career. Students will take an AP exam in May. See your school student advisor if you have a financial hardship. **NOTE: This is a weighted course.**

CB 40 AP Computer Science A
Prerequisite: CB 30 2 Sem. — 1 Practical Arts/Elective Credit

This course provides an introduction to college level programming, using the JAVA language. Important concepts include: structured JAVA programming style, assignment and logical operators, decision making, looping, functions, and arrays. Students will also learn the concepts of data structures, classes, inheritance, recursion, and other advanced topics using an object oriented approach. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. Students may seek college credit by taking the Advanced Placement (AP) examination in May. **Note: this is a weighted class.**

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

**COMPUTER TECHNOLOGY:
SOFTWARE AND APP DESIGN***ADE/CTE approved programs for Software and App Design.***CB 42 Exploring Amazon Web Services and Cloud Computing**
2 Sem. — 1 Practical Arts/Elective Credit

This introductory course provides a detailed overview of cloud concepts, Amazon Web Services core services, security, architecture, pricing, and support. In addition, this course uses technology to teach innovative, hands-on, team based, problem solving skills while developing programming and application knowledge. Students will explore real world computing problems that address social and ethical issues while delivering foundational computer science knowledge. Students will be introduced to: human computer interaction, problem solving, web design, programming, and data analysis. Students will engage in several in-depth projects to demonstrate the real-world applications of computing.

CB 43 CTE Amazon Web Services - Advanced Cloud Computing
Prerequisites: CB30 or CB42 2 Sem. — 1 Practical Arts/Elective Credit

This course offers a deeper look at cloud computing and cloud computing service provider, Amazon Web Services (AWS). Students will explore AWS services and technologies and how they are used to support businesses across the globe. Students will use AWS technologies by building in the AWS Management Console, examine successful cloud implementations and apply their knowledge to cloud-based scenarios. Students enrolled in this course will work towards their AWS Certified Cloud Practitioner certification.

CB 70 IB Computer Science Standard Level/Higher Level I
2 Sem. — 1 Practical Arts/Elective Credit

This course explores fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. The course, underpinned by conceptual thinking, draws on a wide spectrum of knowledge, and enables and empowers innovation, exploration and the acquisition of further knowledge. During the course, the student will develop computational solutions through experimental science procedures. The student selects one of four options as an area of focus: databases; modeling and simulation; web science; or object-oriented programming. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

CB 71 IB Computer Science Standard Level/Higher Level II
Prerequisite: CB 70 2 Sem. — 1 Practical Arts/Elective Credit

This two year course expands on standard level computer science knowledge by analyzing further topics, such as abstract data structures, resource management, and control. The student will research and develop more advanced computational solutions for their option selected in the standard level course. There will be an additional externally assessed component based on a pre-seen case study of an organization or scenario. This requires students to research various aspects of the subject-which may include new technical concepts and additional subject content, in greater depth. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

CT 93 Software and App Design - Internship
Prerequisite: CB40

(see Work Based Learning Section)

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

CONSTRUCTION TECHNOLOGIES*ADE/CTE approved program for Construction Technologies.***CT 40 Construction Technology I****2 Sem. — 1 Practical Arts/Elective Credit**

This introductory course is designed to provide entry-level skills through classroom and hands-on experience in construction and construction related occupations, including construction, remodeling, maintenance and repair of building and structures. This course will introduce students into the following areas of construction which will include: construction equipment and safety; site preparation and layout; construction estimating; blueprint reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; plumbing and safety and job readiness-training for entrance into construction and construction-related occupations.

NOTE: Course fee required.**CT 41 Construction Technology II****Prerequisites: CT40****2 Sem. — 1 Practical Arts/Elective Credit**

This course is the second in a series designed to provide classroom and advanced hands-on experiences in construction and construction-related occupations, including construction, remodeling, maintenance and repair of buildings and structures. Students will use an assortment of materials such as wood, stone, brick, glass, concrete, metal, and composition substances. Instructional activities include: cutting, fitting, fastening, and finishing various common construction materials; the safe use of a variety of hand and power tools; installation of plumbing and electrical fixtures; blueprint reading; the use of squaring and leveling tools; and safety and job readiness-training for entrance into construction and construction-related occupations. **NOTE: Course fee required.**

CT 63 Construction Technologies - Internship

(see Work Based Learning Section)

CULINARY ARTS*ADE/CTE approved program for Culinary Arts.***FS 41 Culinary Arts****2 Sem. — 1 Practical Arts/Elective Credit**

Emphasis is placed on Safety & Sanitation, proper equipment use, knife skills, reading recipes and nutrition. Recipes focus on baked goods, the mother sauces and their derivatives, the cold pantry of salads, sandwiches and garnishes, as well as health and wellness. Exploration of culinary careers is also included. **NOTE: Course fee required.**

FS 45 Advanced Culinary Arts**Prerequisites: FS 41****2 Sem. — 1 Practical Arts/Elective Credit**

The focus will be on menu development, food costing, food perpetration, back of the house and front of the house service, and running a simulated business. Job shadowing or internships may be a part of this program. **NOTE: Course fee required.**

FS 47 Catering and Special Events Management**Prerequisite: FS 45****2 Sem. — 1 Practical Arts/Elective**

The catering and special events industries are among the fastest-growing segments within the hospitality industry. This course focuses on catering school and business events. Topics include organizational structure, legal aspects of catering and special events management, product and service development, marketing and sales, catered function and special event planning and execution. Students will be required to attend evening and weekend events. **NOTE: Course fee required.**

CT 65 Culinary Arts - Internship

(see Work Based Learning Section)

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

CYBERSECURITY*ADE/CTE approved program for Network Security.***CS60 Cybersecurity I****2 Sem. — 1 Practical Arts/Elective Credit**

This course uses technology to teach innovative, hands-on, team based, problem solving skills while assessing computer and network systems. Students will explore real world computing problems that address social and ethical issues while delivering foundational computer science knowledge. Students will be introduced to: human computer interaction, problem solving, web design, programming, and data analysis. Students will engage in several in-depth projects to demonstrate the real-world applications of computing.

CS61 Cybersecurity II**2 Sem. — 1 Practical Arts/Elective Credit****Prerequisite: CS60**

The Cybersecurity program prepares students to assess the security needs of computer and network systems, recommend safeguard solutions, and manage the implementation and maintenance of security devices, systems, and procedures. Students who successfully complete the Cybersecurity program will develop skill to analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Perform network maintenance to ensure networks operate correctly with minimal interruption. Throughout the Network Security instructional program, students will enhance their technical knowledge and skills that are associated with functions of application integrity, cyber threat management, and infrastructure security within Network Technologies' occupations. Students will work towards industry certifications.

DIGITAL PHOTOGRAPHY*ADE/CTE approved program for Digital Photography.***AR 21 Intro to Digital Photography****2 Sem. — 1 Practical/Fine Arts/Elective Credit**

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. **NOTE: Course fee required.**

AR 22 Digital Photography**Prerequisite: AR 21****2 Sem. — 1 Practical Arts/Elective Credit**

This course addresses technical and conceptual concepts in relation to historic and contemporary photography. Students will refine their craft with further study of composition and design, a variety of lighting techniques, use of a digital SLR camera, digital solutions and software applications. Students will both prepare for the professional field of photography, develop an extensive electronic and traditional portfolio that will prepare them for a career or post secondary education. A digital SLR is highly recommended. **NOTE: Course fee required.**

AR 23 Advanced Digital Photography**Prerequisite: AR 22****2 Sem. — 1 Practical Arts/Elective**

Exploration of advanced techniques will be covered in AR23. Students will develop a portfolio and participate in community projects to prepare students for careers in photography-related fields. Students will refine both their technical and aesthetic skills, as well as refine their efficiency during the post-production/processing phase. At the end of this course, students should be able to plan, create, process, pitch and market a photo job that meets and exceeds industry standards. **NOTE: Course fee required.**

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

DIGITAL PHOTOGRAPHY*ADE/CTE approved program for Digital Photography.***CT 69 Digital Photography - Internship**

(see Work Based Learning Section)

DIGITAL PUBLICATIONS*ADE/CTE approved program for Digital Communications.***GV 30 Intro to Digital Publications****2 Sem. — 1 Practical Arts/Elective Credit**

This introductory course provides students with opportunities to use digital cameras and learn Adobe design software to communicate their ideas to the world. By using Photoshop, InDesign, and Illustrator, students combine creative talent with technical skills to produce a digital portfolio for the ever changing design industry. This course prepares students for advance study in Digital Photo Studio, Digital Illustration Studio and Digital Publication Studio. **NOTE: Course fee required.**

GV 31 Digital Publications**2 Sem. — 1 Elective English/Practical Arts/Elective Credit****Prerequisite: GV 30**

Students will produce the school yearbook while being engaged in all areas of publication production. Units of study include teamwork, creative problem solving, reporting, writing, photography, typography, design, finances, marketing and distribution. Students will utilize industry design software, including Adobe products, in the actual production of the yearbook. Additional projects support the program and expand students' digital studio skills. **NOTE: Course fee required.**

GV 32 Advanced Digital Publications**Prerequisite: GV 31****2 Sem. — 1 Practical Arts/Elective Credit**

This innovative course, which incorporates an interactive learning approach, is designed to advance skills in communication, management, writing, design, photography and marketing. Students will have the opportunity to record history, gain in-depth experience in the production of a professional publication (yearbook), run a business with state of the art technology, strengthen their analytical and problem solving skills and improve communication skills appropriate for college and careers. Students will be responsible for every aspect of the production of the yearbook, which include participating in leadership roles, selling advertisements, planning, writing articles, editing, photography and designing pages. **NOTE: Course fee required.**

CT92 Digital Publications

(see Work Based Learning Section)

DRAFTING & DESIGN TECHNOLOGIES*ADE/CTE approved program for Architectural Drafting.***IT 31 Intro to Computer Aided Design****2 Sem. — 1 Practical Arts/Elective Credit**

Develops drafting skills and knowledge by extensive practice using current technologies and drafting tools to solve design problems. Specific drafting areas studied include single-view drawing, multi-view drawing, auxiliary views, sections, surface development and three-dimensional drafting. All are necessary for engineering and architectural study. Computer Aided Design (AutoCAD) is used in this class. **NOTE: Course fee required.**

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

DRAFTING & DESIGN TECHNOLOGIES*ADE/CTE approved program for Architectural Drafting.***IT 32 Advanced Computer Aided Design****Prerequisites: IT 31****2 Sem. — 1 Practical Arts/Elective Credit**

This course provides an in depth study of architectural and mechanical design. Through a continuous sequence of design projects, students will learn to develop a set of principles that inform/dictate the production of architectural and mechanical products. These principles will be used to clarify the interrelationship of geometry, form, function and composition, thus defining a systematic strategy for architectural and engineering solutions. **NOTE: Course fee required.**

IT 33 Computer Aided Design Special Projects**Prerequisites: IT 32****2 Sem. — 1 Practical Arts/Elective Credit**

Computer Aided Design Special Projects is the capstone for the Computer Aided Design Program of Study. Students will pursue industry certifications in design oriented professions which include architecture and engineering. Students will also have the opportunity to work on a substantial design project that will become part of their portfolio for post-secondary school applications. **NOTE: Course fee required.**

CT 71 Drafting and Design Internship

(see Work Based Learning Section)

EDUCATION PROFESSIONS*ADE/CTE approved program for Education Professions.***FS 52 Early Childhood Professions****2 Sem. — 1 Practical Arts/Elective Credit**

This course focuses on the education profession of preschool through third grade. Students will have the opportunity to develop age appropriate curriculum and environments for children birth to age eight. Students examine a teacher's role in supporting child development and fostering the joy of learning for all young children by using observation strategies and emphasizing the essential role of play. Students will have hands on experiences and will work with preschool children enrolled at their home campus KinderU program. **NOTE: Course fee required.**

FS 53 Teacher Training Program**Prerequisite: FS 52****2 Sem. — 1 Practical Arts/Elective Credit**

This year-long course is an orientation to the teaching profession. Students are exposed to teaching careers and the education system through simulations, "hands-on" activities, and observations. In addition to the curriculum components, all students are required to participate in a field experience in public school classrooms. **NOTE: Course fee required.**

FS 54 Student Teacher Experience**Prerequisite: FS 53****2 Sem. — 1 Practical Arts/Elective Credit**

This course will build on the content knowledge learned in Early Childhood Professions and Teacher Training Program courses. Students will have an opportunity to participate in mini-student teaching experiences that will expose them to different grade level and content areas. This may include, but not limited to, special education, early childhood, elementary and secondary education. Students will complete the program with a better understanding of what education area they will want to pursue post high school. **NOTE: Course fee required.**

CT 73 Education Professions - Internship

(see Work Based Learning Section)

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

ENGINEERING*ADE/CTE approved for Engineering Sciences.***IT 41 Introduction to Engineering Design****2 Sem. — 1 Practical Arts/Elective Credit**

A course that teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software. **NOTE: Course fee required.**

IT 42 Digital Electronics**Prerequisites: IT 43 2 Sem. — 1 Practical Arts/Elective Credit**

A course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. **NOTE: Course fee required.**

IT 43 Principles of Engineering**Prerequisite: IT 41 2 Sem. — 1 Practical Arts/Elective Credit**

A course that helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes helps students learn how engineers and technicians use math, science and technology in an engineering problem-solving process to benefit people. The course also includes concerns about social and political consequences of technological change. **NOTE: Course fee required.**

IT 46 Engineering Design and Development**Prerequisite: IT 43 2 Sem. — 1 Practical Arts/Elective Credit**

An engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in preceding courses and are guided by a community mentor. They must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the school year. **NOTE: Course fee required.**

IT 50 Aerospace Engineering**Prerequisite: IT 43 2 Sem. — 1 Practical Arts/Elective Credit**

This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. **NOTE: Course fee required.**

IT 55 Robotics**Prerequisite: IT 43 recommended 2 Sem. — 1 Practical Arts/Elective Credit**

Students will focus on control circuits, interfaces, and microprocessors applications as they build and program robots. This course also includes the development of robotics software, Computer Integrated Manufacturing tasks, data communication tasks, sensor and control systems tasks, and the application of the engineering design process. Students are strongly encouraged to participate in robotics competitions. **NOTE: Course fee required.**

IT 56 IB Design Technology SL**Prerequisite: IT 43 2 Sem - 1 Practical Arts/Elective Credit**

Design Technology focuses on analysis, design development, synthesis and evaluation with inquiry and problem solving at the heart of the subject. Students will explore the subjects of human factors, ergonomics, resource management and sustainability, modeling, production processes, innovation and classical design documentation. As part of this course students will create a unique design project using the design cycle that demonstrates their investigative, analytical, modeling, prototyping, testing and evaluation skills. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course. NOTE: Course fee required.**

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

ENGINEERING*ADE/CTE approved for Engineering Sciences.***CT 75 Engineering - Internship**

(see Work Based Learning Section)

ENGINEERING AND ADVANCED MANUFACTURING*ADE/CTE approved program for Precision Machining.***IT 80 Advanced Manufacturing & Mechanical Engineering I****2 Sem. — 1 Practical Arts/Elective Credit**

A course that applies principles of precision manufacturing and mechanical engineering through machining and automation. The course applies solid modeling skills to develop CNC designs. Students learn machine safety, blueprint reading and layout as well as manual and an introduction to CNC machining skills. Fundamental machining concepts and entry level certification are included. **Note: Course fee required.**

IT 81 Advanced Manufacturing & Mechanical Engineering II**Prerequisite: IT80 2 Sem. — 1 Practical Arts/Elective Credit**

A course that applies advanced principles of precision manufacturing and mechanical engineering through machining and automation. The course builds on IT80 and applies solid modeling skills and manual machining to produce advanced CNC projects through solid modeling and direct G-Code entry. Students use Computer Numerical Control and manual lathes, mills and inspection equipment. Basic machining concepts and applied layout mathematics are included and entry level certification skills are expanded. **NOTE: Course fee required.**

IT 82 Advanced Manufacturing and Mechanical Engineering III**Prerequisite: IT 81 2 Sem. — 1 Practical Arts/Elective Credit**

A course that applies solid modeling and computer aided manufacturing skills to engineer and build advanced projects. Students use a combination of manual and Computer Numerical Control mills, lathes and inspection equipment to produce custom designs to industry standards. Advanced certification skills are available in modeling, CNC operations and programming. **NOTE: Course fee required.**

CT 79 Manufacturing - Internship

(see Work Based Learning Section)

GRAPHIC DESIGN*ADE/CTE approved program for Graphic/Web Design.***GV 40 Introduction to Graphic Design****2 Sem. — 1 Practical Arts Credit/Elective**

Students will learn the principles of great design and typography while using professional-grade Adobe design software to create digital drawings, logos, advertisements, magazine layouts, and more. Students complete the course with a portfolio. **NOTE: Course fee required.**

GV 41 Graphic Design**Prerequisites: GV40 2 Sem. — 1 Practical Arts Credit/Elective Credit**

Students will use Adobe Creative Cloud products as they continue to explore and apply art design principles through motion graphics, electronic image manipulation, page layout and web page design. Students will also learn how to create some of the assets that are found in web pages, animate graphics and build a professional portfolio. **NOTE: Course fee required.**

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

GRAPHIC DESIGN*ADE/CTE approved program for Graphic/Web Design.***GV 42 Advanced Graphic Design****Prerequisite:** GV41

In this third-level design course, students will be applying their design skills to design and produce graphic works in assigned real-world projects and for actual clients on campus. Students will work with administrators, teachers, coaches, clubs sponsors and more to create posters, flyers, brochures, t-shirts and other promotional materials for their class or programs. Using professional communication skills they conduct information-gathering interviews, set up photo shoot sessions, create design pieces, submit work for review, use feedback to make revisions, and produce final pieces. Field trips to printshops and design studios will also be a part of the curriculum as students will gain first-hand experience of what it is like to work in the design field. **NOTE: This is a weighted course. Note: Course fee required.**

CT 94 Graphic Design- Internship

(see Work Based Learning Section)

HEALTHCARE ASSISTANT*ADE/CTE approved program for Home Health Aide***HE 80 Healthcare Assistant I****Difficulty:** Average**2 Sem. — 1 Practical Arts/ Elective Credit**

Students will be introduced to the fundamentals of patient care as a healthcare assistant. This program focuses on how to safely assist long term care patients with daily activities such as body mechanics, roles and responsibilities of a caregiver, infection control, safety, nutrition and food preparation and home environment maintenance. This program is in alignment with the Arizona Direct Care Worker (attendant care, personal care, homemaker) program. Students who complete both courses will be prepared to take the AHCCS Direct Care Worker certification exam. **NOTE: Course fee required.**

HE82 Healthcare Assistant II**Difficulty:** Average**2 Sem. — 1 Practical Arts/Elective Credit**

Students will continue to advance their knowledge and skills as a health assistant. In addition to building on prior knowledge, the advanced class will focus on working with people with developmental disabilities. This includes understanding abuse and neglect, roles and requirements of working with developmental disabilities, implementing support plans, daily living, incident reporting and positive behavior supports. Students will also participate in classroom clinicals, where they will work with people with disabilities. This program is in alignment with the Arizona Direct Care Worker (attendant care, personal care, homemaker) program. Students who complete both courses will be prepared to take the AHCCS Direct Care Worker certification exam. **NOTE: Course fee required.**

CT 95 Healthcare Assistant - Internship

(see Work Based Learning Section)

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

MARKETING*ADE/CTE approved program for Marketing.***BE 52 Marketing I****2 Sem. — 1 Practical Arts/Elective Credit**

In today's marketplace, students need to be prepared to sell themselves and their skills. Marketing I will introduce students to the most exciting areas of marketing, such as sports and entertainment, e-commerce, fashion and merchandising, and travel and tourism. Students will learn employability skills as applied to the marketing field. Students enrolling in the course are strongly encouraged to join DECA, which is the career and technical student organization associated with the Marketing program. Opportunities available through DECA include leadership development, field trips, travel, and competition.

BE 53 Marketing II**Prerequisite:** BE 52 **2 Sem. — ½ Practical Arts/½ Economics/Elective Credit**

Students will focus on the professional sales and marketing field and become better prepared to compete in a global business economy. The class will focus on the many facets of business and marketing including consumer behavior, legal and ethical issues, management, employability skills, leadership, and opportunities in marketing-related careers. Students enrolling in the course are strongly encouraged to join DECA, which is the career and technical student organization associated with the Marketing program. Opportunities available through DECA include leadership development, field trips, travel, and competition.

BE 54 Student Store**1 Sem. — ½ Practical Arts Credit**

Want to gain work experience without leaving campus? Assist customers, operate cash register, set up displays, and learn retail procedures while working in the student store. Strongly recommended for students enrolling in Marketing. Teacher interview required.

CT 81 Marketing - Internship

(see Work Based Learning Section)

SPORTS MEDICINE & REHAB SERVICES**HE 91 Prevention and Care of Sports Injuries****2 Sem. — 1 PE/Practical Arts Credit**

Consists of first aid for athletic injuries, basic knowledge of the human body and its functions, understanding of procedures to be followed in common athletic injuries and information on diets for athletes. **NOTE: Course fee required.**

HE 92 Sports Medicine**Prerequisites:** HE 91**2 Sem. — 1 Practical Arts/Elective Credit**

An advanced laboratory course designed for students interested in athletic training, medicine, physical therapy, exercise science and/or other related paramedical fields. Students will examine the causes, prevention, evaluation, management, and rehabilitation of various sport related conditions. Topics regarding research, kinesiology, nutrition, pharmacology, exercise science and implementation of sports medicine programs will also be investigated. Enrolled students will be required to work as student athletic trainers. **NOTE: This course does not count for PE credit. NOTE: Course fee required.**

HE 93 Athletic Training**Prerequisite:** HE92**2 Sem. — 1 Practical Arts/Elective Credit**

This course offers instruction and practical application in the skills and techniques necessary for the prevention and care of athletic injuries. Field experience will be required as students work with athletes as they learn the role and function of athletic training. Students may be required to work after school, weekends and will be supervised by the school's athletic trainer. **NOTE: Course fee required.**

CT 83 Sports Medicine & Rehab Services - Internship

(see Work Based Learning Section)

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

THEATER DESIGN & MANAGEMENT*ADE/CTE approved program for Stagecraft.***PA 93 Theater Design and Management I****2 Sem. — 1 Practical Arts/Elective Credit**

Students will develop knowledge and skills in the areas of set design, lighting design, sound design, audio engineering, makeup design, scene painting, property management, production management, costume design, and technical direction. Course members are required to demonstrate and polish their skills as participants in the after school Performing Arts productions.

PA 94 Theater Design and Management II**Prerequisite: PA 93****2 Sem. — 1 Practical Arts/Elective Credit**

This course provides students the opportunity to continue mastering the techniques begun in Theater Design and Management I. Course members are required to demonstrate and polish their skills as participants in the after school Performing Arts productions.

CT 85 Theater Design & Management - Internship

(see Work Based Learning Section)

VIDEO PRODUCTION*ADE/CTE approved program for Film & TV.***GV 20 Intro to Video Production****2 Sem. — 1 Practical Arts/Elective Credit**

This course will give students hands-on learning experiences in producing digital videos, TV broadcasts, and movies. This course will teach students how to produce, shoot, and edit a variety of digital video projects. Students will also learn the basic principles of media literacy, deconstructing commercials, and study television and movie history. Opportunities will be given to students through SkillsUSA, which include leadership development, field trips, travel, and competition. **NOTE: Course fee required.**

GV 21 Video Production**Prerequisite: GV 20****2 Sem. — 1 Practical Arts/Elective Credit**

Students enrolled in this course will build on their production experience by writing, producing, directing, and performing a television broadcast. Students will also produce commercials, public service announcements, highlight reels, news, and feature pieces for the TV broadcast. Students will learn advanced editing techniques and graphic skills using industry-standard software and equipment. Opportunities will be given to students through SkillsUSA, which include leadership development, field trips, travel, and competition. **NOTE: Course fee required.**

GV 22 Advanced Video Production**Prerequisite: GV 21****2 Sem. — 1 Practical Arts/Elective Credit**

Students will develop a portfolio and participate in community projects using leadership skills. Students will focus on advanced camera operation, lighting and editing, as well as honing storytelling skills with enhanced video production. **NOTE: Course fee required.**

CT 87 Video Production - Internship

(see Work Based Learning Section)

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

WELDING*ADE/CTE approved program for Welding Technologies.***IT 71 Welding I - Basic****2 Sem. — 1 Practical Arts/Elective Credit**

Basic skills in SMAW (Shielded Metal Arc Welding), GMAW (Gas Metal Arc Welding), FCAW (Flux Core Arc Welding and GTAW (Gas Tungsten Arc Welding) are emphasized. Students will learn metallurgy fundamentals, Oxy-Fuel welding and cutting, welding blueprint reading, employ-ability skills and the basic skills necessary for welding structures. **NOTE: Course fee required.**

IT 72 Welding II - Intermediate**Prerequisites: IT 71****2 Sem. — 1 Practical Arts/Elective Credit**

Welding II emphasis advanced skills and knowledge in all welding processes. Students will be introduced to workplace, construction and production applications. Students will also receive instruction on the appropriate technologies and techniques to complete approved personal projects. **NOTE: Course fee required.**

IT 73 Welding and Materials Processes**Prerequisites: IT 72****2 Sem. — 1 Practical Arts/Elective Credit**

Advanced program designed to increase the student's skills and knowledge in the field of welding. Speed, accuracy, and quality work are stressed. Also includes instruction in jigwork, mass production processes, machine cutting, and the welding of alloys and some exotic metals. **NOTE: Course fee required.**

IT 74 Advanced Welding**Prerequisites: IT 73****2 Sem. — Practical Arts/Elective Credit**

This advanced course is designed to lead the student to some of the many certifications that are available in the welding industry. Some of the certifications available to the student are Shielded Metal Arc Welding, Gas Tungsten Arc Welding and Gas Metal Arc Welding Certification. All Certifications are through Western Technologies. **NOTE: Course fee required.**

CT 89 Welding - Internship

(see Work Based Learning Section)

VERIFY OFFERINGS AT SCHOOL SITE

CAREER AND TECHNICAL EDUCATION

WORK BASED LEARNING**Cooperative Education Courses**

Grade Level: 12th Grade 2 Sem. — 3 Elective Credits

Prerequisite: 1 credit earned in CTE Program of Study

This course is designed for students to apply technical skills attained in CTE Program of Study to real world employment opportunities. Students are REQUIRED to attend one hour of daily classroom instruction and work a minimum of 15 hours per week. Participation in a Career and Technical Student Organization may also be required.

Internship Courses

Grade Level: 12th Grade 2 Sem. — 2 Elective Credits

Prerequisite: 1 credit earned in CTE Program of Study

The CTE Internship is a course that provides Career and Technical Education students an opportunity to engage in learning and the application of technical skills through the participation of a structured work experience. The student's Program of Study teacher coordinates the internship experience with the employer. Students are REQUIRED to work a minimum of 15 hours per week.

CT 53 Agricultural Science - Internship**CT 55 Automotive Technologies - Internship****CT 57 Biomedical Sciences - Internship****CT 59 Biotechnology - Internship****CT 61 Computer Maintenance - Internship****CT 63 Construction Technologies - Internship****CT 65 Culinary Arts - Internship****IT 65 Cabinetmaking - Internship****CT 69 Digital Photography - Internship****CT 71 Drafting and Design - Internship****CT 73 Education Professions - Internship****CT 74 Engineering - Cooperative Education****CT 75 Engineering - Internship****CT 79 Manufacturing - Internship****CT 81 Marketing - Internship****CT 83 Sports Medicine & Rehab Services - Internship****CT 85 Theater Design & Management - Internship****CT 87 Video Production - Internship****CT 89 Welding - Internship****CT 91 Internship****CT 92 Digital Publications - Internship****CT 93 Software & App Design Internship****CT 94 Graphic Design - Internship****CT 95 Healthcare Assistant - Internship**

VERIFY OFFERINGS AT SCHOOL SITE

ENGLISH

NOTE: Courses that will meet the core competency requirements for Arizona universities are marked with an asterisk.*

SUBJECT AREA GOAL:**ARIZONA ENGLISH LANGUAGE ARTS STANDARDS**

The student will become proficient in the State Standards for Reading, Writing, Speaking and Listening, and Language.

The student will be able to apply the concepts of:

READING (including literature and informational text)

- Key Ideas and Details
- Craft and Structure
- Integration of Knowledge and Ideas
- Range of Reading and Level of Text Complexity

WRITING

- Text Types and Purposes (Argumentative, Informative/Explanatory, Narrative)
- Production and Distribution of Writing
- Research to Build and Present Knowledge
- Range of Writing

SPEAKING AND LISTENING

- Comprehension and Collaboration
- Presentation of Knowledge and Ideas

LANGUAGE

- Conventions of Standard English
- Knowledge of Language
- Vocabulary Acquisition and Use

***EN 09 Freshman English**

2 Sem. — 1 English Credit

This course addresses reading literature and informational text, writing, speaking and listening skills, and language concepts (conventions and vocabulary). Students will interact with complex texts, build knowledge through content rich texts, and engage in evidence based reading and writing.

***EN 12 Pre-AP English I**

2 Sem. — 1 English Credit

This course focuses on exploration of complex literary and nonfiction texts through close reading, analytical writing, language study, research and oral communication. The course framework is structured around five big ideas: engaging with texts, constructing texts, focusing on language, investigating through research, and entering the conversation. Students will engage in skill development and knowledge acquisition for active and confident participation in subsequent high school courses.

***EN 14 Pre-AP Honors English I**

2 Sem. — 1 English Credit

An accelerated language arts course with an emphasis on enrichment experiences, focusing on exploration of complex literary and nonfiction texts through close reading, analytical writing, language study, research and oral communication. The advanced course framework is structured around five big ideas: engaging with texts, constructing texts, focusing on language, investigating through research, and entering the conversation. Students will engage in skill development and knowledge acquisition for active and confident participation in subsequent high school courses, including Advanced Placement. **NOTE: This is a weighted course.**

EN 19 Freshman Essentials of English

2 Sem. — 1 English Credit

This course reinforces basic reading and writing skills while teaching the essential skills of Freshman English at a more individualized pace. The curriculum addresses reading literature and informational text, writing, speaking and listening skills, and language concepts (conventions and vocabulary). EN 19S: Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

VERIFY OFFERINGS AT SCHOOL SITE

ENGLISH

***EN 26 IB MYP Freshman English**

2 Sem. — 1 English Credit

Prerequisites: IB Middle Years Programme Student

An accelerated language arts course with an emphasis on communication skills, including advanced work in literature, composition, grammar, research and reading. There are six skill areas: listening, speaking, reading, writing, viewing and presenting, which develop as both independent and interdependent skills. Students develop these skills through the study of both language and literature. This course is a prerequisite to the IB Diploma Programme courses and takes the place of EN 27. **Note: This is a weighted course.**

***EN 27 Honors Freshman English**

2 Sem. — 1 English Credit

An accelerated language arts course with an emphasis on enrichment experiences, including advanced work in literature, composition, grammar, research and reading, with a focus on critical reading and argumentation. **NOTE: This is a weighted course.**

EN 29 Senior Essentials of English

2 Sem. — 1 English Credit

A course in which the curriculum addresses reading literature and informational text, writing, speaking and listening skills, and language concepts (conventions and vocabulary). Students will engage in evidence based reading and writing. This course reinforces basic reading and writing skills while teaching the essential skills of Senior English at a more individualized pace. EN 29S: Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

***EN 35 Honors Sophomore English**

2 Sem. — 1 English Credit

An accelerated language arts course with an emphasis on enrichment experiences, including exposure to advanced work in literature, composition, grammar, syntax, research and reading, with a focus on rigor, complexity, and sophistication of content, writing, and language arts skills. **NOTE: This is a weighted course.**

EN 37 Junior Essentials of English

2 Sem. — 1 English Credit

This course reinforces basic reading and writing skills while teaching the essential skills of Junior English at a more individualized pace. The curriculum addresses reading literature and informational text, writing, speaking and listening skills, and language concepts (conventions and vocabulary). EN 37S: Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

EN 38 Sophomore Essentials of English

2 Sem. — 1 English Credit

This course reinforces basic reading and writing skills while teaching the essential skills of Sophomore English at a more individualized pace. The curriculum addresses reading literature and informational text, writing, speaking and listening skills, and language concepts (conventions and vocabulary). EN 38S: Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

EN 40 Shakespeare*Prerequisites: EN 47**

1 Sem. — ½ English Credit

Shakespeare is a semester-long course that integrates writing for a variety of purposes and audiences with literature study that reflects the culture of England during the Renaissance. Emphasis is placed on the major works of Shakespeare including sonnets while writing activities may include a focus on argumentative, expository, and narrative modes. Along with exploring universal themes, students will recognize Shakespeare's influence in contemporary language, literature, and culture.

VERIFY OFFERINGS AT SCHOOL SITE

ENGLISH

EN 41 Critical Thinking and Writing*Prerequisites: EN 47**

1 Sem. — ½ English Credit

Critical Thinking and Writing teaches inductive, deductive, and analogical reasoning for logical writing, critical analysis, and explication of literature. It emphasizes the processes used in problem-based research. This class prepares students for college and career by giving them practice in formal writing techniques.

EN 44 Creative Writing*Prerequisites: EN 47**

1 Sem. — ½ English Credit

Extend writing skills already mastered in EN 47 and EN 48. Students are challenged to express themselves across a variety of genres for the purpose of publication.

EN 45 College-Prep Writing*Prerequisites: EN 48**

1 Sem. — ½ English Credit

Advanced composition that includes descriptive, expository, analytical and argumentative writing along with critical analysis of literature and vocabulary development.

***EN 47 Sophomore English**

2 Sem. — 1 English Credit

This course integrates reading literature and informational text with composition. Course content combines the study of speaking and listening, language, and critical thinking skills. Writing exercises emphasize the writing process including deliberate use of diction, syntax, organization, and development of ideas when writing about both fiction and non-fiction texts. Literature study includes use and analysis of literary elements.

EN 48 Junior English*Prerequisites: EN 47**

2 Sem. — 1 English Credit

This course integrates the modes of essay writing with the study of literature. Course content combines the study of literary models of fiction and nonfiction, and the composition skills of exposition and argument. Composition emphasis is on research skills, development of language skills, and multi-paragraph essays.

EN 49 Senior English*Prerequisites: EN 48**

2 Sem. — 1 English Credit

This course integrates writing for a variety of purposes and audiences. Writing includes a focus on real-world skills, including expository, communication, research and analysis modes. Universal themes in literature are explored in a variety of fiction, non-fiction, poetry and drama selections. Readings from a broad variety of authors is surveyed.

EN 52 Mythology*Prerequisites: EN 47**

1 Sem. — ½ English Credit

Through the analysis of various classical and/or world mythologies, students will gain an appreciation for their cultural contributions and will form a foundation for understanding later literary works. Emphasis will be placed on understanding cultures and human behavior.

***EN 54 Paperback Literature**

1 Sem. — ½ English Credit

This course develops skills in both reading and writing. Along with whole-group lessons and discussions, students read, analyze, and write about selected books from various genres. EN 54S: Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

EN 56 Multicultural Literature*Prerequisites: EN 47**

1 Sem. — ½ English Credit

Multicultural Literature is a semester-long course that integrates writing for a variety of purposes and audiences with literature study that reflects different cultures. Emphasis is placed on diverse texts while writing activities may include a focus on argumentative, expository, and narrative modes. Along with exploring universal themes, students will recognize how culture influences how we view the world.

VERIFY OFFERINGS AT SCHOOL SITE

ENGLISH

***EN 58 Honors American History & Literature**

2 Sem. — 1 English Credit

A unique two-hour block course designed for advanced students who would like to combine writing skills with the study of American history and American literature. This course uses an interrelated chronological approach, and prepares students for college prep courses. **(Must be enrolled in SS 32 concurrently.) NOTE: This is a weighted course.**

***EN 60 English (British) Literature**

Prerequisites: EN 47

1 Sem. — ½ English Credit

British Literature is a semester-long course that integrates writing for a variety of purposes and audiences with literature study that reflects the culture of England from *Beowulf* forward. Emphasis is placed on the works of major English authors and literary movements while writing activities include a focus on argumentative, expository, and narrative modes. Universal themes in literature are explored in a variety of fiction, non-fiction, poetry and drama selections. Readings from a broad variety of authors from English literature are surveyed.

EN 61 Native American Literature

Grade: 12

1 Sem. — ½ English Credit

Native American Literature is a semester-long course that integrates writing for a variety of purposes and audiences with the study of a variety of literary genres which are representative of tribes throughout Arizona and the United States. Coursework content includes critical reading and thinking, participation in class discussions, composition and research. Universal themes are also explored through fiction, non-fiction, and poetry selections.

***EN 63 Holocaust Literature**

Prerequisites: EN 35 or EN 48

1 Sem. — ½ English Credit

Holocaust Literature focuses on the time period from 1933 to 1945. The history of the Holocaust and the rise of Hitler and the Nazis will be studied, but the main focus will be on the resulting literature. Works will be read that were written before, during, and after the Holocaust, and may include some more recent occurrences of genocide.

***EN 64 English Composition 102**

1 Sem. — ½ English Credit

This course's prerequisite is English Composition 101 with the student scoring a C or higher as a final grade. Emphasis on rhetoric and composition with a focus on argument, research-based writing and understanding writing as a process. Developing advanced college-level writing strategies through writing projects comprising at least 5,000 words in total. This course is in partnership with the Maricopa Community Colleges and a tuition applies. If students have a financial hardship paying for the tuition, contact school advising.

***EN 65 IB MYP Sophomore English**

Prerequisites: EN 26 or EN 27

2 Sem. — 1 English Credit

This is an academically rigorous program in composition and American literature that equips students with linguistic, analytical and communicative skills that can also be used in an interdisciplinary manner across all other subject groups. There are six skill areas: listening, speaking, reading, writing, viewing and presenting, which develop as both independent and interdependent skills. Students develop these skills through the study of both language and literature. This course is a prerequisite to the IB Diploma Programme courses and takes the place of EN 35. **Note: This is a weighted course.**

VERIFY OFFERINGS AT SCHOOL SITE

ENGLISH

EN 66 and EN 69 IB Literature and Performance Standard Level I & II

Prerequisites: IB Diploma Programme Student 4 Sem. — 2 English Credits

This comprehensive 2-year course is an interdisciplinary synthesis of language A (English) and theatre. It incorporates essential elements of literature and performance and aims to explore the dynamic relationship between the two. The course as a whole examines literary and dramatic texts and seeks to develop intellect, imagination and creativity. It encourages intercultural awareness through a study of texts from more than one culture. **NOTE: This is a weighted course.**

***EN 68 Technical Writing**

Prerequisites: Typing recommended

1 Sem. — ½ English Credit

Technical writing is the art and science of translating technical information into readable, accessible writing usable by a wide audience. Technical writers create manuals, help support communication systems, on-line help systems, and instructions. Since nearly every business in every industry imaginable has at least an occasional need to bring technical information to its users and customers, technical writing is found in nearly every business, governmental, and non-profit arena. This course develops communication skills crucial in the modern workplace.

***EN 70 AP English Language & Composition**

2 Sem. — 1 English Credit

This course involves college-level reading and writing, focusing on rhetorical analysis in order to prepare students for the Advanced Placement (AP) exam in May. If students have a financial hardship paying for the exam, see your school Student Advisor. This course fulfills the junior English requirement. **NOTE: This is a weighted course.**

***EN 71 AP English Literature & Composition**

2 Sem. — 1 English Credit

This course involves college-level reading and writing, focusing on literary analysis of novels, poetry, and prose in order to prepare students for the Advanced Placement (AP) exam in May. If students have a financial hardship paying for the exam, see your school Student Advisor. This course fulfills the senior English requirement. **NOTE: This is a weighted course.**

***EN 72 English Composition 101**

1 Sem. — ½ English Credit

Emphasis on rhetoric and composition with a focus on expository writing as a process. Establishing effective college-level writing strategies through four or more writing projects comprising at least 3,000 words in total. Students will be required to take the ACCUPLACER test to be eligible for enrollment. This course is in partnership with the Maricopa Community Colleges and a tuition applies. If students have a financial hardship paying for the tuition, contact school advising.

EN 73 Speech/Communications Arts

1 or 2 Sem. — ½ or 1 English Credit

Review of the various formal and informal areas of oral communications. Includes interpersonal communication skills, listening techniques, public speaking, group discussions and oral interpretation.

EN 74 Debate

1 Sem. — ½ English Credit

This is a semester-long academic course that is open to all students with a desire to learn the skills associated with debate, argumentation and rhetoric. Students will be required use skills in argumentation, research, critical reading and thinking, public speaking, and rhetoric to prepare and present debates and speeches.

EN 75 Advanced Speech & Debate

2 Sem. — 1 English Credit

This is a yearlong co-curricular academic honors course that is open to all students. Students will be required to use their skills in advanced acting, rhetoric, public speaking and debate to produce and compete in locally and nationally sanctioned competitive events. **NOTE: This is a weighted course.**

VERIFY OFFERINGS AT SCHOOL SITE

ENGLISH

EN 76 IB English Standard Level I**Prerequisites:** EN35 or EN65 **2 Sem. — 1 English Credit**

This course explores a detailed study into a wide range of literature and encourages students to appreciate the artistry of literature and to develop an ability to reflect critically on their reading. Skills focus upon close reading techniques, language effects, written literary and rhetorical analysis, and oral commentary. Works are studied in their literary and cultural contexts, through areas of exploration and key concepts in order to identify global issues. Instruction and assignments prepare students for the Individual Oral. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

EN 77 IB English Standard Level II**Prerequisites:** EN76 **2 Sem. — 1 English Credit**

This course is a continued exploration of the study of literature and encourages students to appreciate the artistry of literature and to continue the development of an ability to reflect critically on their reading. Skills focus upon close reading techniques, language effects and written literary and rhetorical analysis. Works are studied in their literary and cultural contexts, through areas of exploration and key concepts in order to identify global issues. Instruction and assignments prepare students for the compulsory IB exams. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

EN 80 Humanities*Prerequisites:** EN 47 **1 Sem. — ½ English Credit**

To help students gain a better understanding of world culture through a critical examination of art, literature, music, drama and dance. Students develop an aesthetic sensitivity and appreciation for the creative process and thereby gain a better understanding of themselves. Reading of the classics emphasized, and composition skills reinforced through critical essays analyzing the masterpieces of each literary genre.

EN 84 Journalism I**Prerequisites:** Typing recommended **1 Sem. — ½ English Credit**

Students learn to report news, write editorials and news features, but should not attempt this class unless they have attained proficiency in writing. Above average English grades are required.

EN 86 Yearbook Publications**Prerequisites:** Teacher interview required **1 or 2 Sem. — ½ or 1 English Credit**

Designed to teach students the basic techniques of publication. The final project is the school yearbook.

EN 87 Journalistic Writing (Newslab)*Prerequisites:** Journalism I recommended **1 Sem. — ½ English Credit**

This intensive composition course focuses on professional writing in English with emphasis on journalistic style and format, analysis and organization of information, and accuracy and clarity into concise prose. Students will implement the writing process (research, note taking through editing, proofreading, and publication), as well as be trained in interviewing, news ethics, news writing, photography, design layout, production, and circulation of the school publication. Literary genres studied include fiction, nonfiction, historical documents, biographies, autobiographies and essays.

EN 91 IB English Higher Level I*Prerequisite:** EN 35 or EN 65 **2 Sem. — 1 English Credit**

This course explores a detailed studies approach to works written in English in which students examine a variety of genres and themes. Skills focus upon close reading techniques, language effects, written literary analysis and oral commentary. Literary pieces include British classics as well as works written by modern ethnic Americans. Instruction and assignments prepare students for two compulsory IB exams: individual oral commentary and individual oral presentation. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

VERIFY OFFERINGS AT SCHOOL SITE

ENGLISH

EN 92 IB English Higher Level II*Prerequisite:** EN 91 **2 Sem. — 1 English Credit**

The focus of this course is the examination of classical works from world literature and American drama. Through a variety of literary genres, students will examine international works for theme, cultural influences, and the human experience. Literary analysis, social criticism and comparative analysis will also be emphasized. Student will practice written commentary on both examined and unexamined pieces, preparing them for compulsory IB exams: two comparative studies of 1000-1500 words, a written commentary on an unseen text, and a written response to a series of curriculum-specific questions. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

EN 99 Independent Study**Frequently Asked Questions About English**

WHAT ENGLISH CLASSES ARE REQUIRED TO GRADUATE? **All students are required to take and pass Freshman English, Sophomore English, Junior English and a fourth year of English. If a student is enrolled in the essentials or honors program, substitute requirements are made. Four credits of English are required for graduation.**

DO READING CLASSES FULFILL GRADUATION REQUIREMENTS IN ENGLISH? **No. Reading courses count for elective credit only. English credit is given only for those courses that have an 'EN' prefix.**

VERIFY OFFERINGS AT SCHOOL SITE

ENGLISH LANGUAGE DEVELOPMENT (ELD)

ELD 17 English Language Development Writing I

2 Sem. — 1 English Credit

Prerequisites: Primary home language is other than English and AZELLA
Overall Proficiency Level is at Pre-emergent/Emergent/Basic

This course introduces students to foundational English language grammar, structure, and writing. Students learn basic syntactic elements of English (nouns, verbs, modifiers, etc.), phonetic and semantic aspects of the language, as well as the production of declarative, imperative, interrogative, and exclamatory sentences. This course integrates knowledge of English language grammar and structure into sentence expansion and writing forms (paragraphs and essays). Grammar skills are used to develop skills in pre-writing, draft composition, and editing using a writing process format.

ELD 18 English Language Development Reading I

2 Sem. — 1 Elective Credit

Prerequisite: Primary home language is other than English and AZELLA
Overall Proficiency Level is at Pre-emergent/Emergent/Basic

This course extends students' proficiency of English language listening, speaking, vocabulary, and reading skills through an integrated approach. Students refine the correct use of receptive and expressive language to reinforce advanced word analysis, fluency, relevant academic vocabulary, and comprehension. Through literary and informational text, students continue to expand reading and conversational skills related to academic success.

ELD 27 English Language Development Writing II

2 Sem. — 1 English Credit

Prerequisites: Primary home language is other than English and AZELLA
Overall Proficiency Level is at Intermediate

This course extends students' proficiency of English language grammar, structure, and writing. Students learn advanced syntactic elements of English (nouns, verbs, modifiers, etc.) along with phonetic and semantic aspects of the language, and the production of more complex sentences containing conjunctions, transitions, and prepositional phrases. This course integrates knowledge of advanced English language grammar and structure into sentence expansion and writing forms (paragraphs and essays). Students continue to refine grammar skills to develop pre-writing, draft composition, and editing using a writing process format.

ELD 28 English Language Development Reading II

2 Sem. — 1 Elective Credit

Prerequisite: Primary home language is other than English and AZELLA
Overall Proficiency Level is at Intermediate

This course extends students' proficiency of English language listening, speaking, vocabulary, and reading skills through an integrated approach. Students refine the correct use of receptive and expressive language to reinforce advanced word analysis, fluency, relevant academic vocabulary, and comprehension. Through literary and informational text, students continue to expand reading and conversational skills related to academic success.

VERIFY OFFERINGS AT SCHOOL SITE

MATHEMATICS

*Note: Courses that will meet the core competency requirements for Arizona universities are marked with an asterisk. **

SUBJECT AREA GOAL:

The student will meet or exceed Arizona Mathematics Standards.

***MA 27 Algebra I**

2 Sem. — 1 Math Credit

Mathematical practices and modeling with mathematics are embedded into standards for algebra to include the study of number and quantity, functions, reasoning with equations and inequalities, and interpreting categorical and quantitative data. Instructional time and learning focuses on three critical areas: (1) Deepen and extend understanding of linear and exponential relationships; (2) Engage in methods for analyzing, solving, and using quadratic functions; and (3) Apply linear models to data that exhibit a linear trend. MA 27S: Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

MA 30 Geometry*Prerequisites:** MA 27

2 Sem. — 1 Math Credit

Mathematical practices and modeling with mathematics are embedded into standards for geometry to include the study of congruence, similarity, right triangles, and trigonometry, circles, expressing geometric properties with equations, and geometric measurement and dimension. Instructional time and learning focuses on five critical areas: (1) Establishing criteria for congruence of geometric figures based on rigid motions; (2) Establishing criteria for similarity of geometric figures based on dilations and proportional reasoning; (3) Develop understanding of informal explanations of circumference, area, and volume formulas; (4) Proving geometric theorems; and (5) Solve problems involving right triangles. MA 30S: Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

MA 32 Honors Geometry*Prerequisite:** MA 27 and teacher recommendation

2 Sem. — 1 Math Credit

Mathematical practices and modeling with mathematics are embedded into standards for honors geometry to include the study of congruence, similarity, right triangles, and trigonometry, circles, expressing geometric properties with equations, and geometric measurement and dimension. Instructional time and learning focuses on five critical areas: (1) Establishing criteria for congruence of geometric figures based on rigid motions; (2) Establishing criteria for similarity of geometric figures based on dilations and proportional reasoning; (3) Develop understanding of informal explanations of circumference, area, and volume formulas; (4) Proving geometric theorems; and (5) Solve problems involving right triangles. In addition, the curriculum includes rigorous proofs, algebraic representations of geometric concepts, transformational geometry and coordinate geometry. **NOTE: This is a weighted course.**

MA 35 Personal Finance**Prerequisite:** MA 27 and MA 30

1-2 Sem. — ½ - 1 Math Credit

This course introduces students to the basics of financial literacy including such topics as creating personal financial goals, saving and investing, banking, using debit and credit cards, making major purchases, paying payroll and other taxes, and purchasing insurance. By emphasizing the importance of setting goals and creating a financial plan, students learn to think before spending. Students will learn how credit scores can impact one's ability to secure a loan and, in some cases, determine whether they will be hired for a job. Students will also become familiar with some of the reality that faces everyone when they get their first job, their first apartment, or just take on more personal financial responsibilities. MA 35S: Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

VERIFY OFFERINGS AT SCHOOL SITE

MATHEMATICS

MA 38 Algebra Applications**Prerequisites:** MA 27 and MA 30**2 Sem. — 1 Math Credit**

This course extends and applies the concepts of Algebra I and introduces concepts from Algebra II. The curriculum includes the study of linear, quadratic, polynomial, and exponential functions. Data collection and analysis are emphasized and technology is utilized. Projects and math labs, designed to integrate mathematics and science, are used to teach and reinforce concepts. MA 38S: Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

MA 39 Pre-AP Algebra I**2 Sem. — 1 Math Credit**

This course is designed to deepen students' understanding of three big ideas: how the structure of the real numbers systems leads to the rules of algebraic manipulation, how to use functions as a tool for modeling the world, and what information the solutions to a mathematical model can and cannot tell you. The Pre-AP Algebra I course framework is organized around four core units of study: linear equations and functions, system of equations and inequalities, quadratic functions, and exponential properties and functions. Students will engage in skill development and knowledge acquisition for active and confident participation in subsequent high school courses. In addition, all additional standards set by the state of Arizona for Algebra I will be addressed in this course.

MA 40 Algebra II*Prerequisites:** MA 27 and MA 30**2 Sem. — 1 Math Credit**

This course expands on standards from algebra and geometry. Algebra 2 embeds mathematical practices and modeling with mathematics into standards to include the study of rational exponents, quantitative reasoning, the complex number system, and reasoning with equations and inequalities. Instructional time and learning focuses on four critical areas: (1) Extending the real number system to the complex number system, representing radicals with rational exponents; (2) Solving and interpreting solutions to a variety of equations, inequalities, and systems of equations; (3) Demonstrate competency graphing and interpreting functions extending from linear, quadratic, and exponential with integer exponents to polynomial, radical, rational, exponential with real exponents, logarithmic, trigonometric functions, and piecewise defined functions; and (4) Extend simple and compound probability calculations to conditional probability.

MA 41 Honors Algebra II*2 Sem. — 1 Math Credit****Prerequisites:** MA 27 & MA 30 or MA 32. A placement test may be required.

A fast paced course that expands on standards from algebra and geometry. Honors Algebra II embeds mathematical practices, applications and modeling with mathematics into standards to include the study of rational exponents, quantitative reasoning, the complex number system, and reasoning with equations and inequalities. Instructional time and learning focuses on four critical areas: (1) Extending the real number system to the complex number system, representing radicals with rational exponents; (2) Solving and interpreting solutions to a variety of equations, inequalities, and systems of equations; (3) Demonstrate competency graphing and interpreting functions extending from linear, quadratic, and exponential with integer exponents to polynomial, radical, rational, exponential with real exponents, logarithmic, trigonometric functions, and piecewise defined functions; and (4) Extend simple and compound probability calculations to conditional probability.

NOTE: This is a weighted course.

VERIFY OFFERINGS AT SCHOOL SITE

MATHEMATICS

MA 42 College Algebra/Trigonometry*Grades:** 11-12**2 Sem. — 1 Math Credit****Prerequisites:** MA 40 or MA 41

This is a rigorous course consisting of one semester of College Algebra/Functions (equivalent to MAT152 at MCC) and one semester of Plane Trigonometry (equivalent to MAT182 at MCC). Completion of both semesters of this course is equivalent to MAT187 Precalculus at MCC. This course prepares students for AP Calculus AB. Topics emphasized in the course include: functions, mathematical modeling, exponential and logarithmic equations and inequalities, and trigonometry.

MA 43 Contemporary Mathematics with Modeling*Grades:** 11-12**2 Sem. — 1 Math Credit****Prerequisites:** MA 40

This course is aligned with Arizona's College and Career Ready Standards and fulfills the fourth mathematics credit needed for graduation. This is a course where students will make connections and build relationships through the study of mathematical structures, integrating technology to assist in developing algorithms. Discrete math concept units include Algebra Modeling, Data Modeling, Probability and Combinatorics, Vertex-Edge Graphs, and Analysis of Change.

MA 45 Honors Precalculus*Prerequisites:** MA 40 or MA 41**2 Sem. — 1 Math Credit**

An in depth study of algebraic, trigonometric, logarithmic, exponential functions, related graphing applications and an introduction to limits. Students will use analytical, numerical, graphical, and verbal approaches to solving problems. **NOTE: This is a weighted course.**

MA 50 AP Calculus AB*2 Sem. — 1 Math Credit****Prerequisites:** MA 42, MA 45 or teacher recommendation

Parallels the typical first semester of college calculus and includes a review and extension of analytical geometry, a study of functions, limits, continuity, differential calculus, transcendental functions, and techniques of integration. Both theory & application are emphasized. Students will use analytical, numerical, graphical, and verbal approaches to solving problems. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course.**

MA 51 AP Calculus BC*2 Sem. — 1 Math Credit****Prerequisites:** MA 45, MA 50 or teacher recommendation

Intended for students who have a thorough knowledge of analytic geometry and elementary functions in addition to college preparatory algebra, geometry and trigonometry. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course.**

MA 52 AP Statistics*Grades:** 11 & 12**2 Sem. — 1 Math Credit****Prerequisite:** MA 40 or MA 41

Students are introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1. Exploring Data: Describing patterns and departures from patterns, 2. Sampling and Experimentation: Planning and conducting a study, 3. Anticipating Patterns: Exploring random phenomena using probability and simulation, and 4. Statistical Inference: Estimating population parameters and testing hypotheses. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course.**

VERIFY OFFERINGS AT SCHOOL SITE

MATHEMATICS

MA 53 Calculus with Analytic Geometry III

Prerequisites: MA 51 **2 Sem. — 1 Math Credit**
Multivariate calculus including vectors, vector-valued functions, partial differentiation, multiple integration and an introduction to vector fields. **NOTE: This is a weighted course.**

MA 60 Math Skill Builder

2 Sem. — 1 Elective Credit

An elective class designed to reinforce prerequisite skills for mathematics courses and to support students in the area of content. This course is taught as a companion course with other math courses when needed. This course does not count as a required math credit toward graduation. Successful completion of the course will provide students with elective credit. MA 60S: Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

MA 82 & MA 83 IB Mathematics Applications and Interpretations Standard Level I & II

Prerequisite: MA 40 **4 Sem. — 2 Math Credits**

This course is intended for students who wish to pursue studies at the university in subjects such as economics, business, social sciences and humanities. This course is designed for students who enjoy describing the real world and solving practical problems using mathematics, those who are interested in harnessing the power of technology alongside exploring mathematical models and enjoy the more practical side of mathematics. Coursework will include functions, geometry, trigonometry, statistics, probability, graph theory, introduction to calculus, and an emphasis on modeling. IB requires an internal assessment of a mathematical investigation and two written examinations to complete the course work. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

MA 84 & MA 85 IB Mathematics Analysis and Approaches Standard Level I&II

Prerequisite: MA 40 **4 Sem. — 2 Math Credits**

This course is intended for students with a strong mathematical background who wish to pursue studies at the university in subjects that have a large mathematical content such as math, engineering or physical sciences. It is for students who enjoy developing mathematical arguments, problem solving and exploring real and abstract applications. Coursework will include functions, trigonometry, vectors, complex numbers, statistics and calculus. IB requires an internal assessment of a mathematical investigation and two written examinations to complete the course work. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

MA 86 & MA 87 IB Mathematics Applications and Interpretations Higher Level I&II

Prerequisite: MA81 or MA41 **4 Sem. — 2 Math Credit**

This course is intended for students with strong mathematical background who wish to pursue studies at the university in subjects such as economics or business. This course is designed for students who enjoy describing the real world and solving practical problems using mathematics, those who are interested in harnessing the power of technology alongside exploring mathematical models and enjoy the more practical side of mathematics. Coursework will include functions, trigonometry, matrices, statistics, probability, vectors, graph theory, calculus, differential equations, and an emphasis on modeling. IB requires an internal assessment of a mathematical investigation and three written examinations to complete the course work. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

VERIFY OFFERINGS AT SCHOOL SITE

MATHEMATICS

MA 88 & MA 89IB Mathematics Analysis and Approaches Higher Level I&II

Prerequisite: MA83 or MA45 **4 Sem. — 2 Math Credits**

This course is intended for students with a very strong mathematical background who wish to pursue studies at the university in subjects that have a large mathematical content such as math, engineering or physical sciences. It is for students who enjoy developing mathematical arguments, problem solving and exploring real and abstract applications. Coursework will include functions, trigonometry, vectors, complex numbers, statistics, calculus, series, differential equations and formal proofs. IB requires an internal assessment of a mathematical investigation and three written examinations to complete the course work. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

MA 99 Independent Study**MILITARY SCIENCE/LEADERSHIP ARMY JROTC****Subject Area Goal**

- Develop good citizenship and patriotism.
- Instill self-reliance, leadership and responsiveness to constituted authority.
- Develop a cooperative spirit and the necessity of working together as a team.
- Strengthen ability to think logically and to communicate effectively (orally and written).
- Gain an appreciation of the importance of physical fitness in maintaining good health.
- Familiarity with the history, purpose, and structure of the military services with emphasis on accomplishments of the United States Army.
- Better appreciation of America's National Heritage.
- Develop citizenship, character, and leadership
- Communicate effectively
- Improve physical fitness
- Live drug-free
- Strengthen positive self-motivation/esteem
- Learn the historical perspective of military service
- Work as team members
- Graduate and pursue meaningful careers

The following applies to all Army JROTC LET classes:

The JROTC curriculum, which fully or partially addresses a number of national academic standards - to include Arizona Academic State Standards - includes course work on leadership, civics, geography and global awareness, health, and wellness, language arts, life skills, and U.S. history. The curriculum is based on the principles of performance-based, learner-centered education and promotes development of core abilities: capacity for life-long learning, communication, responsibility for actions and choices, good citizenship, respectful treatment of others, and critical thinking techniques.

VERIFY OFFERINGS AT SCHOOL SITE

MILITARY SCIENCE/LEADERSHIP ARMY JROTC

MS 31 Army JROTC LET-I

2 Sem. — 1 Practical Arts/Elective Credit

Introduction to leadership theory and application, foundation for success, communication/study skills, citizenship, military customs and courtesies, physical training, drill, and the history and objective of JROTC. Cadets gain an understanding of their rights, responsibilities (including respect for constituted authority), privileges and freedoms that underlie good citizenship. They must demonstrate the ability to think logically and communicate effectively, with emphasis on effective oral communication and participate in service learning activity. The program stresses physical fitness in maintaining good health and appearance. The underlying keys to the program are loyalty, trustworthiness, dedication, leadership, discipline and teamwork.

MS 32 Army JROTC LET-II

2 Sem. — 1 Practical Arts/Elective Credit

Prerequisites: Must have completed Army JROTC LET-I

Study of wellness, fitness and first aid, drug awareness, ethical values and principles of good citizenship in American history and Government. Demonstrate knowledge of military drill, map reading and physical training. The student will be expected to understand and demonstrate the traits, principles and styles of leadership with emphasis on squad and platoon level positions and the temptations of leadership. Students study the constitutional basis for the Federal Judicial System and military law enforcement. They will review the freedoms guaranteed by the Bill of Rights to the constitution with emphasis on the five basic freedoms of the First Amendment and the amendments that establish and protect the rights of accused persons. Study the original provisions of the U.S. Constitution and participate in service learning activity.

MS 33 Army JROTC LET-III

2 Sem. — 1 Practical Arts/Elective Credit

Prerequisite: Must have successfully completed Army JROTC LET-II

Continue to develop leadership and character traits. Study of leadership strategies, command and staff principles, foundation of success, managing conflict, career planning, time management, financial planning, citizenship in American history and government with continued practical work in leadership, drill, technology awareness, and methods of instruction, service learning, map reading and physical training.

MS 34 Army JROTC LET-IV

2 Sem. — 1 Practical Arts/Elective Credit

Prerequisite: Must have successfully completed Army JROTC LET-III

Continue to develop leadership and character traits. Demonstrate leadership potential as a role model, coach, counselor, management skill and assistant instructor. Study service to the Nation and financial planning, with continued practical work in drill, technology awareness, physical training and command and staff principles. Assist instructor in the LET level class assigned in drill, physical training and inspections with a requirement to teach a minimum of one class for each subject taught for the LET level class assigned, with emphasis placed on proper teaching methods and preparation of lesson plans. Normally in an advance leadership position and the responsibilities of command functions with continued practical work in drill, technology awareness, and physical training. Senior cadets assist in instructing the younger cadets while completing a "Self-paced course of instruction." Emphasis on ethical situations that affect behavior, standards of morality and the decisions that are made in light of these and other factors such as laws/regulations, basic national rights, traditional military values, personal values and institutional pressures. Participate in service learning activity.

VERIFY OFFERINGS AT SCHOOL SITE

MILITARY SCIENCE/LEADERSHIP ARMY JROTC

MS 35 Special Teams

1 Sem. — ½ PE/Practical Arts/Elective Credit

Prerequisite: Concurrent enrollment in a MS31, MS32, MS33 or MS34

An "A" hour program in which cadets can participate in competition Drill and/or Raider teams. The purpose is to introduce cadets to teamwork. Drill is a very positive activity that instills a heightened sense of discipline and leadership, precision drill that builds self-confidence and strengthen self-esteem. The drill teams consist of Color Guard, Unarmed Drill, and Armed Drill. Each team also participates in competitions primarily within the state of Arizona. Color Guard presents the battalion and national colors at various community activities, competitions, and sporting events. Armed drill performs both regulation and exhibition drill with facsimile M1903 rifles at various competitions and community activities. Unarmed Drill performs both regulation and exhibition drill without weapons. The Raiders/Orienteering team focus on land navigation and competes in various competition meets within the state. The Raiders are the most physically challenging of the co-curricular activities.

MUSIC/PERFORMING ARTS

SUBJECT AREA GOAL:

Students will meet or exceed the Arizona Music Standards by performing, valuing and identifying music as a meaningful part of their education.

ESSENTIAL SKILLS:

The student will:

- Perform alone and with others music from various genres and diverse cultures
- Improvise and create music
- Utilize the vocabulary and notation of music
- Respond to music aesthetically, intellectually and emotionally
- Recognize and describe the relationships among music, the arts and other disciplines outside the arts
- Understand music in relation to history and culture
- Evaluate music and music performances

MU 17 Beginning Instrumental Music

1 or 2 Sem. — ½ or 1 Fine Arts/Elective Credit

Prerequisite: Placement by teacher recommendation

Beginning Instrumental Music is a class for students with limited or no prior instrumental performance experience on one of the following instruments: flute, oboe, bassoon, clarinet, saxophone, trumpet/cornet, horn, trombone, euphonium, tuba, percussion, violin, viola, cello, string bass. Percussionists will be expected to learn both pitched and non-pitched instruments. Basic fundamentals of music are stressed. Placement is by teacher recommendation.

MU 29 Beginning Guitar

1 or 2 Sem. — ½ or 1 Fine Arts/Elective Credit

Prerequisites: Must have access to classical or acoustic guitar

MU 29 introduces the student to the guitar and playing techniques for the instrument. The course, designed for beginners, includes note reading, rhythms and basic guitar skills. Both individual and group studies are included. Public performance is a possibility. **NOTE: Course fee required.**

MU 30 Intermediate Guitar

1 or 2 Sem. — ½ or 1 Fine Arts/Elective Credit

Prerequisites: MU29 or audition. Must have access to classical or acoustic guitar.

MU 30 is a continuation of MU 29. An entrance audition is required if MU 29 was not taken. Students will study more advanced chords, rhythms, note reading and harmony techniques. Both individual and group studies are included. Public performance is a possibility. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

VERIFY OFFERINGS AT SCHOOL SITE

MUSIC/PERFORMING ARTS

MU 31 Advanced Guitar

1 or 2 Sem. — ½ or 1 Fine Arts/Elective Credit

Prerequisites: MU30 or audition. Must have access to classical or acoustic guitar.

MU 31 is a continuation of MU 30. Emphasis is on advanced note reading and rhythms, use of upper positions and solo playing. Individual and group studies are included. Public performance is a possibility. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 32 Rock, Jazz and other Music: Influences in America**Prerequisites:** None 1 Sem. — ½ Fine Arts/Elective Credit

This is a non-performance music appreciation class which introduces the basic elements of music through the study of the historical development and varied styles of American music. Included are early American music, rock and roll, jazz and 20th Century instrumental and choral music.

MU 33 AP Music Theory**Prerequisites:** Teacher recommendation 2 Sem. — 1 Fine Arts/Elective Credit

MU 33 is for the serious, advanced music student who wishes to broaden his/her scope in the science and fundamentals of music theory. Included is the study of harmony, music history, conducting, composition and arranging. MU33/AP Music Theory is a weighted class which prepares students for the AP Exam in May. Students must pass the fall semester in order to continue in the spring. Placement is by teacher recommendation. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course.**

MU 57 Introduction to Music Theory

2 Sem. — 1 Fine Arts/Elective Credit

MU 57 is a course that emphasizes fundamental musical techniques and theoretical concepts. Students will learn intervals, scales, triads; basic concepts of tonality and form; analysis of representative works. Students develop a sense of self-discipline required for the study of music, a sense of relative pitch, a verbal musical literacy, and an ability to listen actively.

MU 59 Music and Culture

1 Sem. — ½ Fine Arts/Elective Credit

MU 59 is a non-performance class, which introduces students to music from various cultures around the world. Recognition of cultural traits and how they influence musical styles is emphasized. **NOTE:** Students who are enrolled in the Conservatory Program at Mountain View High School will receive priority enrollment in this course.

MU 61 Proficient Tenor/Bass Choir

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

Beginning singers may enroll in Proficient Tenor/Bass Choir. Students will learn music reading/notation/listening skills, explore music history and appropriate vocal technique through the performance of various genres of choral music. Singers will participate in 5-8 performances per year. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 63 Winterguard

1 Sem. — ½ Fine Arts/Elective Credit

Winterguard is a second semester course in which the students learn the technical skills involved in expressive dance, flag, rifle, and saber choreography. Various styles of dance will be taught and explored, in addition to modern color guard training techniques. Attendance at evening rehearsals, Friday and Saturday performances, and other times outside of the school day are a required part of this course.

VERIFY OFFERINGS AT SCHOOL SITE

MUSIC/PERFORMING ARTS

MU 64 Survey of Western Music

1 Sem. — ½ Fine Arts/Elective Credit

MU 64 is a non-performance class, which introduces students to Western music from the medieval times through the modern period. Recognition of stylistic traits in Western music and their relationship to the appropriate historical period is emphasized. **NOTE:** Students who are enrolled in the Conservatory Program at Mountain View High School will receive priority enrollment in this course.

MU 66 Class Piano

2 Sem. — 1 Fine Arts/Elective Credits

MU 66 is an introductory, group piano class that will teach basic piano skills. Elements of music theory will also be introduced. It is highly recommended that this course be taken prior to AP Music Theory, though this is not a requirement. **NOTE: Students who are enrolled in the Conservatory Program at Mountain View High School will receive priority enrollment in this course.**

MU 68 Proficient Treble Choir

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

Beginning singers may enroll in Proficient Treble Choir. Students will learn music reading/notation/listening skills, explore music history and appropriate vocal technique through the performance of various genres of choral music. Singers will participate in 5-8 performances per year. Special attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 69 Accomplished Treble Choir

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

MU 69 is a choir for qualified students with advanced singing abilities. Students will further their music reading/notation/listening skills, explore music history and appropriate vocal technique through the performance of various genres of choral music. Singers will participate in 5-8 performances per year. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 74 Accomplished Mixed Choir

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

MU 74 is open to high school students who want to improve their musical skills, sight-reading techniques, vocal techniques and stage presence. Students will explore music history and vocal pedagogy through the performance of various genres of choral music. Students will participate in performances outside the classroom setting. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 75 Advanced Mixed Choir

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

MU 75 is an advanced choir for qualified students. Students will cultivate their music reading/notation/listening skills, explore music history and appropriate vocal techniques through the performance of various genres of choral music. Students will participate in 5-8 performances per year. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 76 Advanced Mixed Chamber Choir

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

MU 76 is an advanced chamber ensemble for qualified students. Students will cultivate their music reading/notation/listening skills, explore music history and appropriate vocal techniques through the performance of various genres of choral music. Singers will participate in 5-8 performances per year, including formal and invitational events. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

VERIFY OFFERINGS AT SCHOOL SITE

MUSIC/PERFORMING ARTS

MU 78 - Intermediate Mixed Show Choir

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

Intermediate show choir is a mixed voice choral group that also focuses on choreography integrated into each musical performance. Students in the group will demonstrate competency in basic music skills as well as develop basic dance skills and vocabulary related to dance concepts. Students will participate in 4-6 concerts per year and wear concert attire based on the performance venue and the objective for the concert or competition. Placement is by teacher recommendation and audition. **NOTE: Course fee required.**

MU 79 Advanced Treble Chamber Choir

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

MU 79 is an advanced chamber ensemble for qualified students. Students will cultivate their music reading/notation/listening skills, explore music history and appropriate vocal techniques through the performance of various genres of choral music. Singers will participate in 5-8 performances per year, including formal and invitational events. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 80 Concert Band

1 or 2 Sem. — ½ or 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

Concert Band provides opportunities for the average band student to play in a performing organization. Emphasis is placed on improving individual reading and performance skills. This ensemble will prepare and perform concerts each semester, some of which may be other than during school hours. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 81 Marching Band

1 Sem. — ¼ Fine Arts/¼ PE/Elective Credit

Prerequisites: Member of band. Placement by teacher recommendation/audition

Marching Band is an ensemble which performs extensively at sporting events, parades, concerts and competitions. This course requires an extensive time commitment outside of regular school hours. Uniforms or special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required. NOTE: This course may count in lieu of P. E. requirement. NOTE: Hands only CPR will be taught to fulfill Arizona State Statute requirements.**

MU 82 Band/Percussion

1 or 2 Sem. — ½ or 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

MU 82 is a performance-oriented class which covers the fundamentals of percussion performance from reading rhythms and notes, to the various techniques involved in playing timpani, bass drum, snare drum and keyboard instruments. Students in this class will perform the percussion parts needed for Marching Band, Concert Band and Orchestra. These performances may be at times other than during the school day. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 83 Varsity Band

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

Varsity Band is a performance ensemble for the developing band student. Students will demonstrate higher level instrumental techniques and study a wide range of musical styles and forms. This ensemble will prepare and perform concerts each semester, some of which may be other than during school hours. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

VERIFY OFFERINGS AT SCHOOL SITE

MUSIC/PERFORMING ARTS

MU 84 Symphonic Band

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

Symphonic Band provides opportunities for the skilled band student to play a wide range of musical forms and styles. Emphasis is placed on improving individual reading and performance skills. This ensemble will prepare and perform concerts each semester, some of which may be other than during school hours. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 85 Honors Band

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

Honors Band is an advanced performance ensemble for the serious band student. Advanced instrumental techniques, including a wide range of musical styles and forms will be studied. This ensemble will prepare and perform concerts each semester, some of which may be other than during school hours. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 86 Jazz Band

1 or 2 Sem. — ½ or 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

Jazz Band is a performance-oriented class which provides opportunities for the study of improvisation and music in jazz styles. This ensemble will prepare and perform concerts each semester, some of which may be other than during school hours. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 87 Introduction to Mariachi

2 Sem. — 1 Fine Arts Credit

MU87 introduces a student with no experience to playing a mariachi instrument. This course, designed for beginners, will cover note reading, rhythm reading, and basic instrumental skills necessary for playing in a mariachi band. Public performance is a possibility.

MU 88 Intermediate Mariachi

2 Sem. — 1 Fine Arts Credit

Prerequisite: MU47 or MU87 or teacher recommendation/audition.

This course is designed for students with at least one year of mariachi experience. Emphasis will be placed on developing instrumental skills necessary to perform with a mariachi band. Public performance is a possibility.

MU 89 Advanced Mariachi

2 Sem. — 1 Fine Arts Credit

Prerequisite: Teacher recommendation/audition

This course is designed for students with at least 2 years of mariachi experience. Advanced performance skills are required. Public performance is a possibility.

MU 90 Concert Orchestra

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

MU 90 is an ensemble for the development of advanced string techniques. A variety of musical styles will be studied and performed throughout the year. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 91 Full Concert Orchestra

1 Sem. — ½ Fine Arts/Elective Credit

Prerequisites: Audition/concurrent enrollment in Concert Orchestra or Band

MU 91 provides an opportunity for students who play a string, wind or percussion instrument to perform symphonic literature. A wide range of musical forms and styles are played throughout the year. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

VERIFY OFFERINGS AT SCHOOL SITE

MUSIC/PERFORMING ARTS

MU 92 Symphony Orchestra

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

MU 92 provides an opportunity for the highly skilled string orchestra student to perform with an advanced musical organization. A wide range of musical forms and styles are played throughout the year. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 93 Full Symphony Orchestra

1 or 2 Sem. — ½ or 1 Fine Arts/Elective Credit

Prerequisites: Audition/concurrent enrollment in Orchestra or Band

MU 93 provides an opportunity for students who play a string, wind or percussion instrument to perform symphonic literature. A wide range of musical forms and styles are played throughout the year. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 94 Chamber Orchestra

1 or 2 Sem. — ½ or 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

MU 94 is a string orchestra, limited by instrumentation and size typical of a chamber orchestra, which provides the advanced student an opportunity to perform standard string repertoire. Emphasis is on developing musicianship and advanced technique/skills. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 95 String Ensemble

1 Sem. — ½ Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

MU 95 provides students with opportunities for solo playing and small ensemble participation. A wide range of musical forms and styles are studied throughout the year. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 96 Symphonic Pops Orchestra

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

MU 96 provides an opportunity for students to perform popular and light classical literature for orchestra. Special concert attire may be worn. Placement is by teacher recommendation/audition. **NOTE: Course fee required.**

MU 97 IB Music Perspectives Standard Level

Grades 11-12

2 Sem. — 1 Fine Arts Credit

This course explores the diversity of music throughout the world through a survey of Western Music from the Middle Ages to the present. Studies of other musical genres include some non-Western musical traditions to prepare students to take the Standard Level (SLS, SLG) International Baccalaureate Music Exam. Candidates have two compulsory parts for Standard Level IB: SLS, Solo Performance option or SLG, Group Performance option and Musical Perception and Analysis (containing a study of an IB Prescribed Work, study of Musical Genres and Styles and a Musical Investigation). This is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

PA 75 Video Journalism

1 or 2 Sem. — ½ or 1 Fine Arts/Elective Credit

This unique class is designed for students who would like to participate in the video production of daily announcements, special feature productions, and informational reporting. Students will learn technical aspects, gain performance skills, and study the process of communicating through the television medium. May require audition.

VERIFY OFFERINGS AT SCHOOL SITE

MUSIC/PERFORMING ARTS

PA 76 Beginning Acting

1 or 2 Sem. — ½ or 1 Fine Arts/Elective Credit

Designed to teach students the basic steps in building a character. Teaches students to overcome inhibitions involved in performing in front of others. Improvisation and short acting scenes help students realize a believable character.

PA 86 Intermediate Acting

1 or 2 Sem. — ½ or 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

Provides an opportunity for all interested theatre students to advance their understanding of theatre and performance. Students will be introduced to more advanced acting techniques and styles and be allowed to further advance their directing and technical skills.

PA 89 Stagecraft

2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Theatrical Arts I, which may be taken concurrently with Stagecraft, and teacher approval.

Designed to introduce and acquaint students with technical aspects of the theatre including lighting, sound, scenic design and construction. Course members will constitute the auditorium stage crew. Late afternoon and night work involved. WHS - Stage crew will be selected from the stagecraft class by the instructor.

PA 90 Theatrical Arts I

1 Sem. — ½ Fine Arts/Elective Credit

(May be taken concurrently with Stagecraft.) Introductory course to the theatre. Through pantomime, improvisation and short scenes, students gain an understanding of how to create believable characters and expressive bodies in productions.

PA 91 Theatrical Arts II**Prerequisites:** PA 90

1 Sem. — ½ Fine Arts Credit

Through the study of scenes from plays, students are trained in all aspects of theatrical presentation. Participants act, direct, design set, do make-up, design costumes and may present public performances.

PA 92 Advanced Acting

1 or 2 Sem. — ½ or 1 Fine Arts Credit

Prerequisites: Teacher recommendation/audition

For advanced acting students who are interested in learning the techniques of auditioning and analyzing characters in depth. Through improvisations and acting scenes, each student will learn how to create the role desired in a production. In addition, much time will be spent on what constitutes complete characterization. Rehearsals and performances after school hours may be required.

MU 99 Independent Study**PA 99 Independent Study****Frequently Asked Questions About Music/Performing Arts**

CAN MUSIC CLASSES BE REPEATED FOR ELECTIVE CREDIT? **Yes. Certain classes may be taken more than once. Ask the instructor.**

HOW CAN STUDENTS JOIN SPECIAL ENSEMBLES? **By audition with the instructor.**

CAN STUDENTS TAKE MORE THAN ONE MUSIC COURSE AT THE SAME TIME? **Yes**

VERIFY OFFERINGS AT SCHOOL SITE

PHYSICAL EDUCATION

Two semesters are required for graduation. All P.E. courses may be repeated for credit. Hands only CPR will be taught in each Physical Education class to fulfill Arizona State Statute requirements.

SUBJECT AREA GOAL:

The student will develop the knowledge and skills necessary for maintaining good health, maintaining an optimum level of physical fitness and participating in recreational and competitive physical activities.

ESSENTIAL SKILLS:

The student will:

- Perform recreational and competitive physical activities according to the student's ability level, which will help to maintain a healthy state of physical fitness
- Demonstrate emergency first aid skills

PE 35 Co-Ed Recreational Education

1 or 2 Sem. — ½ or 1 PE/Elective Credit

A co-educational course planned for students with high interest in leisure time activities. Includes activities with carry-over benefit for adult living, such as tennis, volleyball, badminton, ping pong, etc. Appropriate dress is required for each activity.

PE 37 Recreational Basketball

1 Sem. — ½ PE/Elective Credit

For students who are not involved in interscholastic high school basketball. Includes these basketball activities: team play, offense and defense fundamentals, drill and games, and officiating.

PE 38 Modified Physical Education

1 or 2 Sem. — ½ or 1 PE/Elective Credit

Prerequisite: See Individual Education Plan

For students who cannot participate in a regular P.E. program because of physical limitations or medical reasons. Individualized programs are designed, by the instructor and the student, to conform to the students' abilities and medical advice. Some group activities are arranged.

PE 39 Life Sports Recreation

1 Sem. — ½ PE/Elective Credit

An indoor recreation class that includes these activities: indoor lacrosse, volleyball, badminton, table tennis, team handball and in-line skating. The health-related physical fitness test is administered twice each semester.

PE 40 Advanced PE

1 or 2 Sem. — ½ or 1 PE/Elective Credit

Prerequisites: "A" or "B" in any other P.E. class

Includes a wide variety of activities at a higher level of skill. Activities include individual and team sports selected by the class, conditioning, and lifetime fitness activities. The health-related physical fitness test is administered twice each semester.

PE 41 Cheerleading**PE 42 Pom Pom****PE 43 Spirit Line**

Prerequisites: Audition 1 or 2 Sem. — ½ or 1 PE/Elective Credit

PE 45 IB Middle Years PE

Grade: 9-10

1 Sem. — ½ PE/Elective Credit

This class is designed for students to become better informed about health issues and develop a sense of responsibility for their own well-being through participation in a wide variety of physical activities. The class will focus on three fundamental concepts; holistic learning, intercultural awareness, and communication. Students will learn to identify their learning styles and its relevance to real-life experiences. Through a variety of multicultural activities, students will develop open-mindedness and greater cultural awareness. Throughout this class, emphasis will be placed on developing the characteristics of respect, balance, honesty, courage, and insightfulness.

VERIFY OFFERINGS AT SCHOOL SITE

PHYSICAL EDUCATION

PE 47 PE Activities

1 or 2 Sem. — ½ or 1 PE/Elective Credit

Includes a wide variety of activities for various interest levels. Activities include: team sports, individual sports, aerobic activity which are all designed to promote and increase lifetime physical fitness.

PE 48 Unified PE

The Unified Physical Education course is structured around grade level physical education standards and provides the opportunity for students with and without disabilities to come together through ongoing educational and physical activities. Additionally, the course supports the development of leadership skills for all students as well as the empowerment of all students to foster an inclusive class and school-wide environment.

PE 50 AA Interscholastic Athletics (Sports)

1 or 2 Sem. — ½ or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

PE 52 Advanced Fitness

Prerequisites: "A" or "B" in PE 53 1 Sem. — ½ PE/Elective Credit

Advanced Fitness includes a combination of advanced aerobic activities and weight training. A combination of aerobic circuit training, running, jump roping, and an intensified and structured weight training program with emphasis on strength and flexibility.

PE 53 Complete Fitness/Aerobics

1 or 2 Sem. — ½ or 1 PE/Elective Credit

Alternating days of aerobics activities and weight training. Aerobics is designed to strengthen the cardiovascular system, tone specific areas of the body and train students in the knowledge and skills of aerobics. The weight training section involves a combination of circuit training, body sculpting, lifting weights.

PE 55 Aerobics

1 Sem. — ½ PE/Elective Credit

Aerobics is a continuous complex, physical fitness program whose primary goal is to strengthen the cardiovascular system. There is also an emphasis on muscular strength/endurance and increasing flexibility. Students may participate in step, kick-boxing, circuit training, running and resistance equipment. All students who want to improve overall health are encouraged to enroll.

PE 56 Racquet Sports

Prerequisites: Some experience 1 or 2 Sem. — ½ or 1 PE/Elective Credit

The racquet sports class is a co-educational course planned for students with a high level of interest and skill in racquet sports. Course offerings include tournament activity and skill training in racquetball, tennis and badminton.

PE 57 Advanced Aerobics

Prerequisites: PE 55 1 Sem. — ½ PE/Elective Credit

Advanced Aerobics is an advancement of the PE 55 curriculum and is geared toward students with an athletically sound mind and body. This is a very physically active class.

PE 58 Team Sports

Prerequisites: Some experience 1 Sem. — ½ PE/Elective Credit

The team sports class is a course planned for students with a high level of interest and skill in team sports. Course offerings include softball, volleyball, soccer, flag football, and basketball. The health-related physical fitness test is administered twice each semester. This is not AIA competitive.

VERIFY OFFERINGS AT SCHOOL SITE

PHYSICAL EDUCATION

PE60 Walking to Jogging a 5K**1 Sem. — ½ PE/Elective Credit**

The class will help encourage students to get in the habit of regular exercise, both during the school day and outside of class, and will set a foundation so one can become a runner. The class will begin with walking and will gradually build so that by the end of the semester students will be able to jog a 5K (3.1 miles). The class will be available for students of all abilities and levels. The class will be process oriented and not outcome based. The class will involve walking/running on a daily basis and will include lessons on planning, pacing, tracking, running economy (running form), and vocabulary. Students will also be expected to track and document the amount of work and running/walking that they do each day on a tracking sheet that will include date, distance, and average pace. The class will culminate in an on campus walking/jogging/running 5k race at the end of the semester complete with water stations and an overall finish time.

PE 70 Beginning Dance**1 Sem. — ½ PE, Fine Arts or Elective Credit**

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

PE 71 Intermediate Dance**1 Sem. — ½ PE/Fine Arts/Elective Credit****Prerequisites: Teacher approval/audition**

Includes intermediate technique in ballet, modern and jazz. Choreography and dance production included. Dance compositions may be required. Performance in a dance concert and/or production work is recommended and may be required at some schools.

PE 72 Advanced Dance**1 or 2 Sem. — ½ or 1 PE/Fine Arts/Elective Credit****Prerequisites: PE 70 or 71 recommended/audition**

This dance course develops more sophisticated dance styles of jazz, contemporary, lyrical, and ballet. Some schools may include hip hop as well. Included is an emphasis on proper alignment, stretching to increase flexibility, core strength, basic anatomy, vocabulary, choreography and dance history. Students will learn dance production and have an opportunity to participate in a dance performance. Advanced dance student can audition to perform in additional dance pieces. Dance compositions may be required.

PE 74 Hip Hop Dance Fusion**1 Sem. — ½ PE/Fine Arts/Elective Credit**

An introduction to basic hip hop style dancing. Each semester provides instruction in basic anatomy, as well as History. Students will also have the opportunity to develop choreography skills.

PE 75 Dance Composition and Performance**Prerequisites: Audition 1 or 2 Sem. — ½ or 1 PE/Fine Arts/Elective Credit**

Will explore the more advanced dance techniques. More sophisticated composition will be created and students will be required to perform in concerts as determined by the school.

PE 76 Weight Training**1 Sem. — ½ PE/Elective Credit**

Weight training and conditioning for the student or athlete desiring an intensified and structured weight training program with emphasis on various exercises accentuating strength and flexibility. Approved general physical education activities may also be included.

VERIFY OFFERINGS AT SCHOOL SITE

PHYSICAL EDUCATION

PE 78 Advanced Weight Training**Prerequisites: "A" or "B" in PE 76****1 Sem. — ½ PE/Elective Credit**

Advanced weight training and conditioning for the student or athlete desiring an intensified and structured weight training program with emphasis on various exercises accentuating strength and flexibility. Approved general physical education activities may also be included.

PE 79 The Ultimate Challenge**1 Sem. — ½ PE/Elective Credit**

This course is designed for the student who is challenged with personal weight issues and is seeking a weight management program. The program includes an overview of healthy lifestyle choices, including the importance of balanced nutrition and regular physical activity, and exploration of readiness to change behavior. A textbook and written materials accompany this course.

PE 81 The Ultimate Challenge II**Prerequisites: PE 79****1 Sem. — ½ PE/Elective Credit**

This course is designed for the student who has completed The Ultimate Challenge class and is seeking a maintenance program. The program will involve regular physical activity complimented by personal counseling sessions, as well as the continued study of healthy lifestyle choices, nutrition, and personal self worth.

PE 82 Stretch & Strength**2 Sem. — 1 PE/Elective Credit**

This course is designed to augment dance and athletic training by increasing flexibility and core strength while focusing on a physical and mental balance. Pilates, yoga and activities are also beneficial to non-dance and athletic students.

PE 83 Pilates Mat**1 Sem. — ½ PE/Elective Credit**

This course is an exercise program for students that desire increased flexibility, range of motion and strength. Pilates focuses on the muscles in the abdomen, back and hips. Basic anatomy and physiology will be included in the curriculum.

PE 87 Wellness and Nutrition**1 or 2 Sem. — ½ or 1 PE/Elective Credit**

The student will learn about mental, physical and social wellness. Wellness describes a lifestyle in which the physical, social, intellectual, psychological and environmental components of health are integrated.

HE 91 Prevention and Care of Sports InjuriesSee **SPORTS MEDICINE & REHAB** subsection under **CAREER AND TECHNICAL EDUCATION****HE 92 Sports Medicine**See **SPORTS MEDICINE & REHAB** subsection under **CAREER AND TECHNICAL EDUCATION****PE98 Outside School Activity****1 or 2 Sem. — ½ or 1 PE/Elective Credit**

This course is designed for students who are participating in sports or athletic activities outside of the typical school-sponsored athletic program and/or school sports. Each student must complete 60 hours of participation hours in the sport/activity. The course also includes assignments and documentation that must be completed. Noncompetitive sports, non-organized sports/activities such as pick-up games, or gym memberships do not meet the requirements for course completion. Personal daily exercise does not meet this course's requirements.

PE 99 Independent Study

VERIFY OFFERINGS AT SCHOOL SITE

PHYSICAL EDUCATION

Frequently Asked Questions About Physical Education

HOW DO STUDENTS GET INTO JUNIOR VARSITY AND VARSITY SPORTS? **Students interested in junior varsity and varsity sports are encouraged to contact the athletic department at their school for sport specific information.**

CAN PE CLASSES BE REPEATED FOR ELECTIVE CREDIT? **Yes.**

DO DANCE CLASSES COUNT AS EITHER FINE ARTS OR PHYSICAL EDUCATION CREDIT? **Yes.**

CAN ANY P.E. COURSE SATISFY GRADUATION REQUIREMENTS? **Yes.**

HOW DO STUDENTS GET PLACED IN LEVELS FOR DANCE? **Students will be automatically placed into beginning dance (PE 70) unless given Instructor Approval or through the audition process. Intermediate, Advanced, and Dance Composition classes are by audition only.**

NOTE: Many Physical Education classes administer a physical fitness test at the beginning and end of the course.

READING

SUBJECT AREA GOAL

The student will become proficient in Arizona's standards for English Language Arts.

STATE ENGLISH LANGUAGE ARTS STANDARDS

The student will be able to apply the standards within the following strands:

- Reading Strand: Informational and Literary Texts
- Writing Strand
- Language
- Speaking and Listening

NOTE: Students are assigned to appropriate level reading courses based on assessment.

RD51 Reading I**RD52 Reading II****RD53 Reading III****RD54 Reading IV****RD55 Reading V**

2 Sem. — 1 Elective Credit

These courses are designed to meet the literacy needs of the students who require additional support in reading. The classes will focus on improving the student's literacy skills addressing the essential components of Reading: Phonemic Awareness, Phonics, Vocabulary, Comprehension, and Fluency. Assessment is required prior to placement in these classes. If these courses are taken in the high school, students will receive an elective credit. Students will be placed at the appropriate course level based on need. RD 51S, RD 52S, RD 53S, RD 54S, RD 55S: Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

RD 99 Independent Study

Frequently Asked Questions About Reading

DOES READING COUNT FOR ENGLISH CREDIT? **No. Reading courses count for elective credit only, English credit is given only for those courses that have an 'EN' prefix.**

VERIFY OFFERINGS AT SCHOOL SITE

SCIENCE

The Arizona State Board of Education requires that a Science AzSCI test is to be administered to 8th grade students and to high school students at the end of the 11th grade covering the 28 essential science standards.

*Note: Courses that will meet the entrance/core competency requirements for Arizona universities are marked with an asterisk.**

SUBJECT AREA GOAL:

The student will demonstrate an understanding of scientific methods of inquiry and apply them to the study of various branches of science, as well as to life situations.

ESSENTIAL SKILLS:

The student will:

- Solve simple, everyday problems using a variety of methods
- Interpret, synthesize, and apply information provided by data tables, charts and graphs
- Set up and carry out biological, Earth science, chemistry or physics experiments
- Relate an aspect of the science studied in terms of practical implications for everyday life

***SC 22 Physical Science**

2 Sem. — 1 Physical Science Credit

Examination of essential physical science concepts, focusing on their applications in the areas of mechanics, electricity, heat, sound, light, matter, Earth, space, and energy. The science and engineering practices are integrated to emphasize an inquiry approach to learning. This course is considered an integrated science course in meeting the General Arizona University Entrance Requirements.

***SC 23 Honors Physical Science**

Prerequisite: Algebra I

2 Sem. — 1 Physical Science Credit

This course is designed as an in-depth study of the principles of physical science concepts, focusing on their applications in the areas of mechanics, electricity, heat, sound, light, matter, Earth, space and energy. The science and engineering practices are integrated to emphasize an inquiry approach to learning. This course is considered an integrated science course in meeting the General Arizona University Entrance Requirements and in preparation for AP science courses. **NOTE: This is a weighted course.**

SC 30 Forensic Science

Prerequisite: Biology and Chemistry

2 Sem. — 1 Physical Science Credit

Forensic Science focuses on the skills and concepts behind physical aspects of crime scene investigation and forensic science. Whether students desire to be a crime scene investigator, forensic pathologist, or some other medical scientist, this course will help them hone their investigative skills and review a wide range of science concepts. Students will review physics, chemistry, anatomy, cell biology, environmental science, and computer science in the process of learning about forensic science.

***SC 33 Earth and Space Science**

2 Sem. — 1 Physical Science Credit

Earth and Space Science is a lab course which explores forces and processes that operate in the universe. Major areas of study will include astronomy, geology, hydrology, meteorology, and environmental issues.

VERIFY OFFERINGS AT SCHOOL SITE

SCIENCE

***SC 34 IB MYP Biology**

Grade Level: 9 2 Sem. — 1 Biological Science Credit
Prerequisite: See page 9 *

An academically rigorous course of study designed to develop scientifically literate and inquisitive students. MYP biology fosters students' critical thinking and discovery of the interdependence of science and all major facets of society. Students will participate in research and design to solve problems using creative thinking in this inquiry based course. Major topics of study include biochemistry, ecology, cells, DNA and heredity, reproduction, genetics, evolution, biotechnology, and sustainability. The course engages students as they explore biological concepts through laboratory experiments, scientific literature and interactive online simulations. Students leave MYP Biology fully prepared for advanced studies in science. **NOTE: This course may include dissection, biotechnology concepts and research techniques. NOTE: This is a weighted course.**

***SC 35 IB Biology Standard Level**

Prerequisites: SC49, SC71, or SC72 2 Sem. — 1 Biological Science Credit

This pre-university course is designed to allow students to obtain a working knowledge of facts and an increased understanding of biology. Students will be introduced to the manner in which scientists work and communicate with each other by performing laboratory experiments, using the scientific method, and writing laboratory reports. Students will spend approximately 25% of the course performing laboratory experiments and research. This course is part of the IB Diploma Programme. **Note: This is a weighted course.**

SC 39 GIS Geospatial Information Systems

Grade: 11 or 12 2 Sem. — 1 Additional Science/Elective Credit

Prerequisites: Concurrent or previous enrollment in a higher level science class such as AP Environmental Science or AP Physics; Instructor approval without prerequisites

This course will provide a practical, hands-on approach to spatial database design and spatial data analysis with Geographical Information Systems (GIS) as applied to the natural sciences. Students will use digital tools and created maps to answer scientific questions. Students will participate in a community-based project in the second semester that will be part of their overall grade. **NOTE: This is a weighted course.**

***SC 45 Honors Biology**

2 Sem. — 1 Biological Science Credit

Prerequisites: SC 20, MA 30 (taken concurrently)

This course is designed as an in-depth study of the principles of the living world. Coursework will provide students with an understanding of the complexity, diversity, and interconnectedness of life on earth. Students will explore cellular and molecular biology, genetics and genetic technology, evolution, and ecosystems in a manner that develops higher-level thinking skills while providing real-world applications. Students are expected to engage in extensive lab work including an independent research project for presentation in the school science fair. This course includes the topic of human reproduction and may include dissections and biotechnology concepts. **NOTE: This is a weighted course.**

***SC 46 AP Biology**

2 Sem. — 1 Biological Science/Elective Credit

Prerequisites: SC23, SC 49 and SC 71 or SC 81

A very rigorous lab-oriented course which will cover the major topics covered in a freshman college-level course. The class has a high level of difficulty and the student should be prepared to put a considerable amount of time into the course. This course includes topics of human reproduction and evolution. This course may include dissection. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course. Course fee required.**

VERIFY OFFERINGS AT SCHOOL SITE

SCIENCE

***SC 48 Biotechnology Concepts and Techniques/ Biotech I**

See BIOTECHNOLOGY subsection under CAREER AND TECHNICAL EDUCATION

***SC 49 Biology**

2 Sem. — 1 Biological Science Credit

This course of study is designed to cover major areas of cell structure, function and processes, genetics, classification, and ecology. This course includes the topics of human reproduction and evolution. **NOTE: This course may include dissection, biotechnology concepts and research techniques.**

***SC 50 Environmental Science**

2 Sem. — 1 Physical Science Credit

This course offers a comprehensive overview of environmental issues. The emphasis will be on: population studies, natural resources, pollution, and current environmental topics.

***SC 52 AP Environmental Science**

Grades 11-12 2 Sem. — 1 Physical Science Credit

Prerequisites: one year of life science and one year of physical science

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 take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course.**

***SC 54 Advanced Biotechnology**

See BIOTECHNOLOGY subsection under CAREER AND TECHNICAL EDUCATION

***SC 55 Human Anatomy and Physiology**

Prerequisites: 1 year Biology 2 Sem. — 1 Additional Science Credit

A rigorous lab-oriented course providing students a better understanding of how their bodies work. Topics include an in-depth exploration of the organ systems and mechanism for maintaining homeostasis. Students will receive exposure to health career opportunities. **NOTE: This course can involve the detailed study of the human reproductive system and may include dissection. This course could be taken for dual credit. Verify course specifics at the school site.**

SC 58 Pre-AP Biology

2 Sem. — 1 Biological Science Credit

This course focuses on foundational biology knowledge and skills while emphasizing reasoning and analytical skills. Unit of study includes cellular systems, genetics, ecological systems, and evolution. Students will engage in skill development and knowledge acquisition for active and confident participation in subsequent high school courses.

SC 59 Pre-AP Honors Biology

2 Sem. — 1 Biological Science Credit

This accelerated course is designed as an in-depth study of the living world while emphasizing the complexity, diversity, and interconnectedness of life on earth. Units of study include cellular systems, genetics, ecological systems, and evolution. Students will engage in skill development and knowledge acquisition for active and confident participation in subsequent high school courses, including Advanced Placement. **NOTE: This is a weighted course.**

***SC 71 Chemistry**

Prerequisites: MA 27 2 Sem. — 1 Physical Science Credit

This course includes the study of the atom, atomic energy, the formation of molecules, the mathematics of chemistry, and related experimental work. The vocabulary of the chemist is emphasized as are correct laboratory procedures and techniques.

VERIFY OFFERINGS AT SCHOOL SITE

SCIENCE

***SC 72 Honors Chemistry**

2 Sem. — 1 Physical Science Credit

Prerequisites: MA 27 with "B" or better, MA 30

A course in which the unifying principles of chemistry are developed from experimentation. Emphasis upon understanding of principles rather than memorization of facts and descriptions. Extensive use is made of arithmetic, elementary algebra and geometry. **NOTE: This is a weighted course.**

SC 73 & SC 74 IB Chemistry Higher Level I & II**Prerequisites:** SC49, SC 72, MA30, MA 40 4 Sem. — 2 Physical Science Credits

This is a comprehensive two-year course designed to build upon the foundations learned in honors chemistry. The course will help students to analyze and interpret data along with building experimental techniques and in the design of experiments. Topics include stoichiometry, atomic theory, periodicity, bonding and structure, thermochemistry, kinetics, equilibrium, acid/base chemistry, redox reactions, organic chemistry, and measurement and data processing. Higher level chemistry require 60 hours additional time in the above topics along with 25 hours in one of the following additional topics; materials, biochemistry, energy, or medicinal chemistry. The course involves the keeping of a data booklet along with 60 hours of laboratory time to include 10 hours for individual investigation (IA) and 10 hours for group 4 project. These courses are a part of the IB Diploma Program. **NOTE: This is a weighted course.**

***SC 75 Ecology of Marine Ecosystems**

2 Sem. — 1 Life Science/Additional Science Credit

Prerequisites: SC 49 Biology and SC 71 Chemistry (or higher)

A one year survey of marine life and marine ecosystems with an emphasis on the organisms that live in the ocean. The class includes many experiments concerning the ocean and marine life, including dissections and creating a marine ecosystem.

***SC 77 AP Chemistry**

2 Sem. — 1 Physical Science Credit

Prerequisites: 1 yr Chemistry & Algebra

A very rigorous lab-oriented course which covers the major topics presented in a freshman college-level course. A second year course in chemistry intended for those students who are interested in a career in the sciences. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course.**

***SC 79 AP Physics I**

2 Sem. — 1 Physical Science/Elective Credit

Prerequisites: MA40 Algebra II (may be taken concurrently)

A very rigorous, fast-paced course patterned after the first semester General Physics courses at ASU and the Maricopa Community Colleges. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course.**

***SC 80 AP Physics II**

2 Sem. — 1 Physical Science/Elective Credit

Prerequisite: SC 79 AP Physics I & co-enrollment in MA45 Precalculus or above

A very rigorous, fast-paced course patterned after the second semester General Physics courses at ASU and the Maricopa Community Colleges. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course.**

VERIFY OFFERINGS AT SCHOOL SITE

SCIENCE

***SC 81 Physics**

2 Sem. — 1 Physical Science Credit

Prerequisites: Algebra, with Geometry recom.

A laboratory course designed to explore the fields of mechanics, heat, light, sound, electricity, magnetism and nuclear energy. Emphasis is placed on the practical application of the principles involved in the above fields.

***SC 90 AP Physics C**

2 Sem. — 1 Physical Science Credit

Prerequisites: 1 yr. Science & 1 yr. Calculus

A very rigorous course patterned after the university physics course offered at ASU. Emphasis will be in the fields of Mechanics and Electromagnetism while looking at both the algebra and calculus description. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course.**

***SC 91 IB Environmental Systems & Societies Standard Level**

Grade: 11 or 12

2 Sem. — 1 Integrated Science Credit

Prerequisite: SC 49, SC 71 or SC 72, MA 40

The prime intent of this course is to provide students with a coherent perspective of the interrelationships between environmental systems and societies; one that enables them to adopt an informed personal response to the wide range of pressing environmental issues that they will inevitably come to face. Students will be evaluating the scientific, ethical and socio-political aspects of issues that are both natural and man-made. At the end of the year, students will be required to take the IB Standard Level Environmental Systems exam. **NOTE: This is a weighted course.**

SC 92 Scientific Research Methods

See BIOTECHNOLOGY subsection under CAREER AND TECHNICAL EDUCATION

***SC 93 & SC 94 IB Biology Higher Level I & II**

Grades: 11-12

4 Sem. — 2 Biological Science Credit

Prerequisites: SC 49 & SC 71 or SC 72

This is a comprehensive two-year pre-university course that is designed to allow students to obtain a secure knowledge of a limited body of facts and at the same time, a broad understanding of biology. Students will be introduced to the way scientists work and communicate with each other by performing laboratory experiments, using the scientific method, and writing laboratory reports. Students will spend approximately 60 hours or 25% of the class performing these laboratory experiments. These courses are part of the IB Diploma Programme. **NOTE: These are weighted courses.**

***SC 95 IB Chemistry Standard Level**

Grades: 11-12

2 Sem. — 1 Physical Science Credit

Prerequisites: SC 49, SC 72, MA 30, MA 40 (May be taken concurrently)

This course is designed to expand on the knowledge and experimental skills obtained in CP Chemistry and to prepare the student for further study of pure and applied sciences in higher education. It will also help the student to develop the ability to analyze scientific literature critically and to develop manipulative and experimental skills necessary to perform college level scientific investigations. Topics include stoichiometry, atomic theory, periodicity, bonding, states of matter, energetics, kinetics, equilibrium, acids and bases oxidation and reduction, and organic chemistry. A three-hour IB exam is taken at the end of the SL Chemistry course. The IB Internal Assessment for this course includes formal lab reports, informal lab notebook excerpts, and participation in the IB Group 4 Project. Summer assignments may be required. The SL curriculum requires a student to spend 40 hours of laboratory investigation time of which 15 hours is devoted to the interdisciplinary group project. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

VERIFY OFFERINGS AT SCHOOL SITE

SCIENCE

***SC 96 & SC 97 IB Physics Higher Level I & II**

Grades 11-12 4 Sem. — 2 Physical Science Credit
Prerequisites: SC 49, SC 71 or SC 72, MA 41

IB Physics is designed to introduce students to the laws of physics, the experimental skills required in physics, and the social and historical aspects of physics as an evolving body of human knowledge about nature. Emphasis is placed on experimental design and analysis in order to produce a practical working model of the physical situation. Students will make extensive use of technology to process and communicate information. Mathematical competence in algebra, geometry, and trigonometry is crucial as a prerequisite to IB Physics. Core topics include: measurement; mechanics; thermal physics and properties of matter; waves; electricity and magnetism; and atomic and nuclear physics. Optional topics include: mechanics extension; atomic and nuclear physics extension; energy extension; biomedical physics; historical physics; astrophysics; special and general relativity; or optics. These courses are part of the IB Diploma Programme. **NOTE: These are weighted courses.**

***HE 72 Medical Interventions**

See **BIOMEDICAL SCIENCES** subsection under **CAREER AND TECHNICAL EDUCATION**

***AG 30 Applied Biological Systems**

See **AGRICULTURAL SCIENCE: ANIMAL SYSTEMS** subsection under **CAREER AND TECHNICAL EDUCATION**

***AG 31 Animal Science**

See **AGRICULTURAL SCIENCE: ANIMAL SYSTEMS** subsection under **CAREER AND TECHNICAL EDUCATION**

AG 35 Veterinary Science

See **AGRICULTURAL SCIENCE: ANIMAL SYSTEMS** subsection under **CAREER AND TECHNICAL EDUCATION**

***AG 51 Plant Science**

See **AGRICULTURAL SCIENCE: ANIMAL SYSTEMS** subsection under **CAREER AND TECHNICAL EDUCATION**

SC 99 Independent Study**Frequently Asked Questions About Science**

HOW MUCH MATH IS NEEDED FOR PHYSICS? **A strong background in algebra and geometry is recommended.**

WHAT SCIENCE IS NEEDED FOR COLLEGE? **Arizona colleges and universities require three years, to be taken from SC 09 Essential Elements of Sciences, Biology, Biotechnology, Chemistry, Earth Science, Anatomy and Physiology, Environmental Science or Physics. Students should check this in the student advisement office or in the college catalog of the university they plan to attend. A student's choice of major does affect entrance requirements.**

IF STUDENTS FAILED ONE SEMESTER OF A YEAR-LONG COURSE, DO THEY HAVE TO TAKE THE WHOLE YEAR OVER? **No, they must repeat only the semester failed, or take a year of another science.**

VERIFY OFFERINGS AT SCHOOL SITE

SOCIAL STUDIES

Note: Courses that will meet the core competency requirements for Arizona universities are marked with an asterisk.

SUBJECT AREA GOAL:

The student will develop the ability to make informed and reasoned decisions for the public good as citizens of a culturally diverse, democratic society in an interdependent world.

ESSENTIAL SKILLS:

The student will be able to:

- Use and evaluate primary and secondary sources of information
- Describe the key achievements in the development of the United States and other nations
- Recognize the primary elements of capitalism
- Demonstrate the ability to make decisions for the public good as informed citizens

SS 05 Current Events

1 Sem. — ½ Elective Credit

Acquaints the student with the influences of current events presently taking place around the world. Includes newspaper, media presentations and debates as classroom resources. Because the content of this course is dependent upon current events, a wide variety of subjects might be covered.

***SS 22 World History/Geography**

2 Sem. — 1 Social Studies Credit

Through the process of inquiry, students will engage in a comprehensive study of world history through a balanced approach to both Eastern and Western Hemispheres. The course will begin with content beginning in the 15th century and move to current issues and events. Connections to geographic topics and concepts will be integrated throughout the course. **NOTE: This course meets the high school graduation requirement for World History.**

***SS 26 IB MYP World History/Geography**

Grade: 9 2 Sem. — 1 Social Studies Credit
Prerequisites: IB Middle Years Programme Student

A rigorous course that encourages students to respect and understand the world around them, and provides a skills base to facilitate further study. Students gain and develop knowledge and conceptual understanding as well as the skills of research, analysis, interpretation and communication, contributing to the development of the student as a whole. The curriculum traces the development of civilizations from early prehistoric people to the present and includes the teaching of geographic concepts. **NOTE: This course meets the high school graduation requirement for World History. NOTE: This is a weighted course.**

***SS 28 Honors World History/Geography**

2 Sem. — 1 Social Studies Credit

A rigorous course designed for advanced students who would like to combine writing skills with the study of World History and the humanities. This course uses an interrelated chronological approach, and prepares students for college prep courses. The curriculum traces the development of civilizations from early prehistoric people to the present and includes the teaching of geographic concepts. **NOTE: This course meets the high school graduation requirement for World History. NOTE: This is a weighted course.**

VERIFY OFFERINGS AT SCHOOL SITE

SOCIAL STUDIES

***SS 32 Honors American History & Literature**

2 Sem. — 1 Social Studies Credit

A unique two hour block course designed for advanced students who would like to combine writing skills with the study of American history and American literature. This course is team taught, uses an interrelated chronological approach, and prepares students for college prep courses. **NOTE: This is a weighted course. (Must be enrolled in EN 58 concurrently) NOTE: This course meets the following high school graduation requirements for American History.**

***SS 35 American History**

2 Sem. — 1 Social Studies Credit

Students will explore a variety of people, events, and movements in United States history with a focus on inquiry into the evolution of American democratic principles, changes in society, economic and geographical development, and the emergence of the US as a global power. A special emphasis will be placed on how Arizona's diverse cultures and individuals have contributed to our nation's history. Events studied will include those from the American Revolution through contemporary issues. **NOTE: This course meets the high school graduation requirement for American and Arizona History.**

***SS 36 IB MYP Honors American History**

Grade: 10

2 Sem. — 1 Social Studies Credit

Prerequisites: IB Coordinator Approval

This course is a prerequisite to the IB Diploma Programme courses. The course is designed to teach not only the historical record of the United States, but also a dynamic range in interpretations of American History. Students will receive instruction that goes beyond the facts to the meaning, impact, and influence of historical developments. Historiography will be an essential element of the course, as well as critical analysis of the past in order to draw inferences for the future. This course will cover the nation's evolution from the colonial period to modern times. The key concept to remember in this course is that history is very much alive and constantly evolving. **NOTE: This course meets the high school graduation requirement for American History. NOTE: This is a weighted course.**

***SS 39 AP United States History**

2 Sem. — 1 Social Studies Credit

This course is designed to replicate a college-level introductory United States History Survey Course. It will focus on preparing the students to critically analyze both primary and secondary sources, develop a thesis, and support it with concrete historical evidence and stress the understanding of key components contained in America's past. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This course meets graduation requirements for American/Arizona History. NOTE: This is a weighted course.**

SS 40 World War II Studies

1 Sem. — ½ Elective Credit

This course will cover the events of World War II and the social, political, and economic effects on nations involved. Emphasis will be placed on the events that drew the United States into the conflict, both theatres of war, and the war's impact.

SS 44 Native American Studies

Grade: 10 - 12

1 Sem. — ½ Elective Credit

This course begins with Pre-Columbian America, tracing the history of the Native Americans from colonial and revolutionary times, through 19th Century westward expansion up to present times. It investigates basic ideas and questions associated with the history of Native Americans, such as sovereignty, native knowledge systems, diversity, federalism, cultural transformation, and survival.

VERIFY OFFERINGS AT SCHOOL SITE

SOCIAL STUDIES

SS SS 45 Navajo Government

Grade: 11-12

1 Sem. — ½ Elective Credit

This course explores such topics as the Navajo Code, political processes, the impact of government in the community, the interrelationship of the three branches of government, the history of the Navajos and their contributions to society. The class will emphasize problem based learning and will require a great deal of reading, writing, speaking and citizenship. For students that are going on to university or college, this class will satisfy the requirements to apply for the Chief Manuelito Scholarship along with 2 years of Navajo language classes.

SS 48 Pre-AP World History and Geography

2 Sem — 1 Social Studies Credit

This course traces the development of civilization from the Paleolithic Era to the Contemporary Period. Through close observation and analysis, evidence-based writing, higher-order questioning, and meaningful academic conversations, students will investigate history and geography as a dynamic, interrelated world story. Students who engage in the Pre-AP World History and Geography curriculum develop academic and content skills foundation for participant in subsequent high school courses. **NOTE: This course meets the high school graduation requirement for World History and Geography.**

SS 49 AP United States Government and Politics**Prerequisite: 1 yr. American History**

1 Sem. — ½ Social Studies Credit

This course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This course meets the high school graduation requirements for Government. NOTE: This is a weighted course.**

***SS 50 AP World History**

2 Sem. — 1 Social Studies Credit

This course will provide the motivated student with a greater understanding of the evolution of global processes and contacts in different types of human societies through the study of world history. Students will trace the development of cultural, political, social, intellectual, and economic history through several chronological periods including: Ancient Greece and Rome, The Middle Ages, Renaissance, Industrial Revolution, World War I, World War II and the Cold War. Particular attention will be given to the development of college prep skills. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This course meets the graduation requirement for World History. NOTE: This is a weighted course.**

SS 51 American Government*Prerequisites: 1 year of American History**

1 Sem. — ½ Social Studies Credit

Through the use of inquiry, students will explore how to become active citizens. Knowledge of the history, principles, and foundations of our republic will be studied, including fundamentals of government on the national, state, and local levels. This includes but is not limited to the three branches of government, rights and responsibilities of American citizenship, and the development and of linkage institutions such as political parties, interest groups, and the media. **NOTE: This course meets the graduation requirement for Government.**

SS 52 AP United States Government and Politics*Prerequisites: 1 year American History**

2 Sem. — 1 Social Studies Credit

This course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This course meets the high school graduation requirements for Government and Economics. NOTE: This is a weighted course.**

VERIFY OFFERINGS AT SCHOOL SITE

SOCIAL STUDIES

***SS 55 AP United States Government and AP Macroeconomics**

Prerequisites: 1 year American History 2 Sem. – 1 Social Studies Credit
This course provides an analytical perspective on government and politics in the United States and a thorough understanding of the principles of economics that apply to the economic system as a whole. It involves the study of general concepts used to interpret U.S. politics, as well as, places particular emphasis on the study of national income, price-level determination and develops students' familiarity with economic performance measures, economic growth and international economics. Students will take the AP exam for Government and the AP exam for Macroeconomics in May. See your school counselor if you have a financial hardship. **NOTE: This course meets the high school graduation requirements for Government and Economics. NOTE: This is a weighted course.**

***SS 56 AP Comparative Government and Politics**

Prerequisite: Teacher approval 2 Sem. — 1 Elective Credit
This course will provide students the conceptual tools to develop an understanding of some of the world's diverse political structures and practices. The course will encompass the study of six specific countries and their governments as well as general concepts used to interpret the political relationships and institutions found in virtually all national politics. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course.**

***SS 57 Principles and Practices of Economics**

Prerequisite: 1 year of American History 1 Sem. — ½ Social Studies Credit
Through the use of inquiry, students will explore the economic reasoning process to make informed decisions in a wide variety of economic contexts. Knowledge about how people, institutions, and societies choose to use resources to meet their wants and needs will be studied. In addition, concepts incorporating financial literacy and personal finance will be examined, including budgeting, saving, spending, investing, credit, and banking. **NOTE: This course meets the high school graduation requirement for Economics.**

***SS 59 We the People**

Prerequisites: Teacher Recommendation 2 Sem. — 1 Social Studies Credit
This course will engage students in a program that develops a more profound understanding of, and appreciation for the fundamental principles and values of our free society. It focuses on the common core of civic values and concepts that are fundamental to the theory and practice of democratic citizenship in the United States. There is an expectation that students will engage in extracurricular competitions. **NOTE: This course meets the graduation requirement for Government and Economics. NOTE: This is a weighted course.**

SS 60 Defining America

Grade Level: 10 2 Sem. — 1 Elective Credit
In 1776, the United States was formed based on the premise that "all men are created equal." This course will analyze the path American History has taken in an effort to make that premise a reality. Students will participate in an in depth study of the three eras emphasizing primary sources as hands on activities.

SS 63 Holocaust Studies

1 Sem. — ½ Elective Credit
Holocaust Studies is a semester course designed to teach students why, how, what, when, and where the Holocaust took place, including the key historical trends/antecedents that led up to and culminated in the "final solution".

VERIFY OFFERINGS AT SCHOOL SITE

SOCIAL STUDIES

***SS 64 AP European History**

2 Sem. — 1 Elective Credit
The purpose of this course is to provide the student with a full academic year of advanced instruction in European history (1450-Present). Students trace the development in cultural, political, diplomatic, social, intellectual, and economic history through several chronological periods. Particular attention will be given to the development of college prep skills. Students will take the AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course.**

***SS 67 AP Human Geography**

2 Sem. — 1 Elective Credit
Introduces student to cultural geography through an examination of world, national and local regions with a focus on cultures, population trends and issues, patterns of rural and urban land use, growth and development of cities, and economic development issues. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course.**

SS 69 Criminology and the Law

1 Sem. — ½ Elective Credit
An overview of the nature of criminality including the legal and social remediation of criminal behavior. The emphasis will reflect the roles of the citizenry relative to crime in a democratic society.

SS 73 Criminology and The Law II

Prerequisite: SS 69 Criminology and the Law I 1 Sem. — ½ Elective Credit
The course will include an introduction to criminal justice with an emphasis on law enforcement. Focus will be on police investigations, arrest, pre-trial procedures, while moving through the justice system. Careers in policing will be examined, including ethical considerations and standard protocols, and dilemmas facing law enforcement on a daily basis.

SS74 Women and the American Story 1

1 Sem. — ½ Elective Credit
Women and the American Story (WAMS) 1 & 2 will present stories of women from diverse backgrounds to examine the impact they had on our nation's development. This course will illustrate the experiences of a wide range of women across race, gender, age, social, and economic spectrums. Students will interact with primary source documents and engage in projects to form a more well-rounded picture of how women and minority groups have helped shape our nation. WAMS 1 will focus on the time period of colonization through Reconstruction (1492-1877).

SS75 Women and the American Story 2

1 Sem. — ½ Elective Credit
Women and the American Story (WAMS) 1 & 2 will present stories of women from diverse backgrounds to examine the impact they had on our nation's development. This course will illustrate the experiences of a wide range of women across race, gender, age, social, and economic spectrums. Students will interact with primary source documents and engage in projects to form a more well-rounded picture of how women and minority groups have helped shape our nation. WAMS 2 will focus on industrialization through the information age (1866-present). Completion of WAMS 1 is not required to take WAMS 2 but is recommended.

***SS 76 Psychology I**

1 Sem. — ½ Elective Credit
The purpose of Psychology I is to develop a curiosity about and appreciation of the extent to which scientific methods can be applied toward understanding human behavior. The course includes a basic introduction to what psychology is, its relationship to learning, personal and social adjustments of the brain and behavior, and behavioral disorders and treatments.

VERIFY OFFERINGS AT SCHOOL SITE

SOCIAL STUDIES

SS 77 Psychology II*Prerequisites:** SS 76**1 Sem. — ½ Elective Credit**

The purpose of the Psychology II course is to expand upon basic concepts introduced in Psychology I and continue the exploration of human behavior in the areas of psychology, developing a healthy personality, human development and social psychology. Students will explore issues related to child and adolescent psychology, states of consciousness, the brain and behavior, psychology of aging, and stereotyping and prejudice.

SS 78 Sociology*1 Sem. — ½ Elective Credit**

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

SS 79 AP Psychology*2 Sem. — 1 Elective Credit**

The purpose of the Advanced Placement Psychology course is to introduce students to the systematic and scientific study of the behavior and mental processes of humans 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 methods psychologists use in their scientific research and practice. Students should be prepared to complete work equivalent to what they would encounter in an introductory college course in psychology. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course.**

SS 80 Sports Psychology**Grade Level:** 11-12**1 Sem. — ½ Elective****Prerequisites:** Psychology I (SS 76) or higher; Instructor approval without prerequisites

This course deals with the study and application of psychological principles that enhance athletic performance. Students will look at how psychology influences sports and athletic performance as well as application to all areas of life. Goals of the course include introducing students to sport psychology theory, methodology and techniques used in the field, at the same time applying them to real world situations and enhancing mental strength.

SS 81 IB Philosophy SL**Grade:** 11-12**2 Sem. — 1 Social Studies/Elective Credit**

In this course, IB students will be introduced to philosophy as it relates to the human condition. This course will pose questions to students such as: What is morality and how does it function in our world? Do individuals exercise free will? What does it mean to be human? We will cover abstract thinking in conjunction with critical and analytical writing within the realm of philosophy and contemporary society. This course is part of the IB Diploma Programme. **Note: This is a weighted course.**

SS 84 IB Political Thought Standard Level*Grade:** 11-12**2 sem. — 1 Social Studies Credit**

This course will investigate the numerous movements, thinkers, and ideologies that have permeated history. Students will read primary works from political philosophers such as John Locke, Niccolò Machiavelli, Karl Marx, and Edmund Burke and analyze how political theory has shaped American Government. In addition, there will be an emphasis on dialogue throughout the year. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course. This course meets the graduation requirement for Government and Economics.**

VERIFY OFFERINGS AT SCHOOL SITE

SOCIAL STUDIES

SS 83 & SS 85 IB Business Management Higher Level I & II*Grade:** 11 – 12**4 sem. — ½ Social Studies Credit/1½ Elective Credit**

This course is designed to develop an understanding of business theory and an ability to apply business principles, practices, and skills. It aims to encourage a holistic view of the world of business and economics by promoting an awareness of social and ethical factors in the actions of organizations and individuals in those organizations. Developing international mindedness and an awareness of different cultural perspective provides students the skills to think critically and appreciate the nature and significance of change in a local and global context. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course. NOTE: This course meets the graduation requirement for Economics.**

SS 86 AP Microeconomics*Grade:** 12**1 Sem. — ½ Social Studies Credit****Prerequisite:** 1 year of American History

This course provides students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course. NOTE: This course meets the graduation requirement for Economics.**

SS 87 AP Macroeconomics*Grade:** 12**1 Sem. — ½ Social Studies Credit****Prerequisite:** 1 year American History

This course provides students a thorough understanding of the principles of economics that apply to an economic system as a whole. This course places particular emphasis on the study of national income and price-level determination and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth and international economics. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course. NOTE: This course meets the graduation requirement for Economics.**

SS 88 IB Economics Standard Level*Grades:** 11-12**2 Sem. — 1 Social Studies Credit****Prerequisites:** IB Coordinator Approval

This course will prepare students for the IB Standard Level economics exam. Students will study the interaction of the United States government, business and consumers in the marketplace, with an emphasis on international markets and global trade. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course. NOTE: This course meets the graduation requirement for Government and Economics.**

SS 89 IB Psychology Standard Level*Grades:** 11-12**2 Sem. — 1 Elective Credit****Prerequisites:** IB Coordinator Approval

This course introduces students to the systematic and scientific study of the behavior and mental processes of humans 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 methods psychologists use in their scientific research and practice. Students should be prepared to complete work equivalent to what they would encounter in an introductory college course in psychology. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

VERIFY OFFERINGS AT SCHOOL SITE

SOCIAL STUDIES

***SS 92 & SS 93 IB History of the Americas I & II**

Grades: 11-12 4 Sem. — 2 Elective Credits

Prerequisites: IB Coordinator Approval

This is a two-year course at the Higher Level. This is a comparative course which will integrate the history of the United States and the histories of Canada and Latin America as well. It is designed to promote an awareness and understanding of countries in the Western Hemisphere and development of cognitive habits. Students are introduced to the Americas through a comparative multi-regional analysis of cultural, political, social and economic issues. The junior year students will begin an in-depth study of the United States, Canada and Latin America from the 1850's to the 1970's. The senior year will continue to center on an analysis of the Western Hemisphere in the 20th century with additional emphasis on the causes, effects and consequences of war, the rise of single party states and the Cold War. These courses are part of the IB Diploma Programme. **NOTE: This 2-year course meets graduation requirements for American/Arizona History. NOTE: These are weighted courses.**

***SS 95 IB Theory of Knowledge**

Grades: 11-12 2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: IB Coordinator Approval

The purpose of Theory of Knowledge (TOK) is to stimulate reflection on the knowledge and the experience of students both in and outside the classroom. TOK examines various areas of knowledge, truth, logic, value judgments and the role of language and thought in knowledge. The course challenges students to question the basis of knowledge, to be aware of subjective and ideological biases and to develop a personal mode of thought based on analysis of evidence and expressed in rational arguments. Two essays written on prescribed topics make up TOK's assessment. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

***SS 97 IB Psychology Higher Level I**

Grade: 11 2 Sem. — 1 Elective Credit

Prerequisites: IB Coordinator Approval

The first year will be an intense focus on four major theoretical perspectives: Biological, Behavior, Cognitive and Humanistic. The focus will be on the analysis of the philosophical roots, supportive and critical research, internal and external variants, prediction and control. Assessments for these courses will attempt to measure the students ability to articulate and incorporate content with the processes of analysis and synthesis of relevant information. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

***SS 98 IB Psychology Higher Level II**

Grade: 12 2 Sem. — 1 Elective Credit

Prerequisites: SS 97

The second year IB students will rigorously implement the attitude and methodology necessary to the science of psychology. Content will focus around the psychodynamic perspective and the origin, nature and treatment of mental disorders. Assessments for these courses will measure the students ability to articulate and incorporate content with the processes of analysis and synthesis of relevant information. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

SS 99 INDEPENDENT STUDY

VERIFY OFFERINGS AT SCHOOL SITE

SOCIAL STUDIES

Frequently Asked Questions About Social Studies

CAN JUNIORS TAKE AMERICAN GOVERNMENT AND/OR ECONOMICS? Generally speaking, no, but exceptions are made upon approval. Student must have completed American History before taking American Government or Economics.

CAN STUDENTS TAKE PART OF AMERICAN HISTORY ONE YEAR AND THE OTHER PART THE FOLLOWING YEAR? It is not recommended since students will be expected to take Government and Economics the following year.

IS THERE A SOCIAL STUDIES TEST REQUIRED FOR HIGH SCHOOL GRADUATION? Students are required to take the American Civics test to graduate. (See page 10 for details.)

VERIFY OFFERINGS AT SCHOOL SITE

TRAFFIC SAFETY

TS 32 Driver Education**Grades: 10-12****1 Sem. — ½ Elective Credit****Fees: Fee is paid through the school bookstore for optional Behind the Wheel Training - learners permit required**

Driver Education is a one-semester course aimed at the development of the knowledge, skills and attitude necessary for performing as a competent vehicle operator and highway user.

It is a multi-phase program consisting of classroom instruction, simulator instruction and on-street instruction. The on-street instruction is conducted before and after school, on week-ends and vacation days.

The course is open to all students who will be 15 years and six months or older by November 1st for the first semester, and April 1st for the second semester. (Normally 10th grade). A learners permit is required.

The completion of this course, including the optional on-the-street instruction, may qualify the student for an insurance premium reduction. The student must earn a "C" or better in all phases to receive the Certificate of Completion Card upon completion of the course.

As all Mesa high schools' Traffic Safety programs are State Approved, the course qualifies as one of the methods for the students to obtain their Drivers License under the State's Graduated License program. Also, the fee paid for Behind-the-Wheel qualifies for the extra -curricular State tax credit (ECA).

Frequently Asked Questions About Traffic Safety

DO STUDENTS NEED A PERMIT OR LICENSE TO TAKE DRIVER ED? Not to register, but in order to drive on the street, a student must have a permit or license before December 1 for the first semester class, and before May 1 for the second semester class.

WILL STUDENTS GET AN INSURANCE REDUCTION IF THEY TAKE DRIVER ED? The discount depends on your insurance company. Contact your insurance company to find out.

DOES THE GRADE STUDENTS RECEIVE FOR DRIVER ED. COUNT IN THEIR GRADE POINT AVERAGE? Yes.

DO STUDENTS HAVE TO TAKE BEHIND-THE-WHEEL TRAINING? DOES IT COUNT AGAINST THEM IF THEY DON'T? Students must satisfactorily complete the Behind-The-Wheel training if they want to qualify for a Graduated Drivers License requirement.

CAN STUDENTS TAKE DRIVER ED. IF THEY CAN ALREADY DRIVE AND HAVE THEIR LICENSES? Yes.

HOW OLD DO STUDENTS HAVE TO BE TO GET THEIR LICENSE? 1. Sixteen years old with parental consent and completion of a state approved driver education course, or 25 hours supervised driving with a parent, including night driving; OR 2. 18 years old without parental consent

DO PARENTS HAVE TO SIGN FOR STUDENTS TO GET A LEARNER PERMIT? Yes, one parent, either father or mother, may sign if both living and have custody, or the parent having sole custody must sign. If both parents are living, not married to each other and each has custody, then both parents must sign.

WHEN DO STUDENTS GET TO DRIVE IN BEHIND-THE-WHEEL TRAINING? This is determined by age of students. Older students drive first.

HOW MUCH TIME IS INVOLVED IN THE BEHIND-THE-WHEEL INSTRUCTION, AND HOW IS IT SCHEDULED? A minimum of 3 hours actual driving and 3 hours of observation is given to each student. After a student gets his/her Learner's Permit, he/she is scheduled individually to complete the driving. Some students may need to complete the driving shortly after the semester is over.

VERIFY OFFERINGS AT SCHOOL SITE

WORLD LANGUAGES

Note: Courses that will meet the core competency requirements for Arizona universities are marked with an asterisk.

SUBJECT AREA GOAL:

The student will competently use a world language for written and oral communication and demonstrate a knowledge of appropriate cultural behaviors.

ESSENTIAL SKILLS:

The student will demonstrate the ability to read, write, speak and understand the second language with proficiency appropriate to their level of study.

WL 18 American Sign Language I*2 Sem. — 1 WL Credit**

Students are introduced to basic sign language vocabulary with emphasis on developing fluency in expressive and receptive signing and finger spelling. The study of Deaf culture is included.

WL 19 American Sign Language II*Prerequisites: Level I Proficient****2 Sem. — 1 WL Credit**

Designed for students with continuing interest in Deafness and ASL. Emphasis is on fluent expressive signing and confident reception of signs. ASL grammatical structures and idioms are used. Vocational options in the area of Deafness are presented.

WL 28 American Sign Language III*Prerequisites: Level II Proficient****2 Sem. — 1 WL Credit**

This course is designed to provide students with the opportunity to demonstrate better comprehension and expression in American Sign. Advanced study of vocabulary, idioms, classifiers, use of space, and grammatical features of American Sign will be included. Students will engage in conversations with native signers, as well as participate in an in-depth study of the Deaf culture. **NOTE: This is a weighted course.**

WL 11 Mandarin Chinese I**WL 21 Spanish I*****WL 31 German I*****WL 41 French I****Prerequisites: Average or above average in English 2 Sem. — 1 WL Credit**

Introduces students to the basic vocabulary of the language and components of the culture of the countries in which the language is spoken. Prepares students to begin to read, write, speak and understand the language.

WL 12 Mandarin Chinese II**WL 22 Spanish II*****WL 32 German II*****WL 42 French II****Prerequisites: Level I Proficient****2 Sem. — 1 WL Credit**

Features application of language skills in reading, writing, and conversation. Level I skills are reviewed and maintained. Appropriate cultural components are studied.

WL 13 Mandarin Chinese III**WL 23 Spanish III*****WL 33 German III*****WL 43 French III****Prerequisites: Level II Proficient****2 Sem. — 1 WL Credit**

Students develop and demonstrate language skills in more advanced forms of written and oral expression. Appropriate cultural components are studied. **NOTE: These are weighted courses.**

VERIFY OFFERINGS AT SCHOOL SITE

WORLD LANGUAGES

WL 15 AP Chinese Language and Culture**WL 25 AP Spanish Language and Culture*****WL 35 AP German Language and Culture*****WL 45 AP French Language and Culture****Prerequisites:** Level III Proficient **2 Sem. — 1 WL Credit**

Expanded language skills are developed, with emphasis on conversation, discussion, and production of compositions. Appropriate readings are drawn from a variety of literary sources. Skills necessary to take the Advanced Placement language test are emphasized. Appropriate cultural components are studied. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: These are weighted courses.**

WL 26 AP Spanish Literature and Culture*Grade:** 11-12 **2 Sem. — 1 WL Credit****Prerequisites:** WL 94 or 25, WL 81

For the proficient Spanish student, this course is designed to refine linguistic skills integrated with focus on literature and literary analysis. The student will develop the skills necessary to take the AP Exam in Spanish Literature. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. **NOTE: This is a weighted course.**

WL 27 IB Spanish Higher Level II*Prerequisites:** WL 94 or WL 90 **2 Sem — 1 Elective/WL Credit**

IB Spanish HL 2 focuses on preparing students for the higher level of the International Baccalaureate Spanish examination. Students will continue to advance their ability to communicate in Spanish in all four skills areas as they explore themes of change, groups and leisure through the study of geography, history, art, music and literature. Students who are not enrolled in the IB Diploma Programme may opt to take the AP Spanish exam. This course is part of the IB Diploma Programme. **Note: This is a weighted course.**

WL 65 - Dine' Bizaad- Navajo Language Level I*Prerequisites:** Average or above average in English **2 Sem. — 1 WL Credit**

In this course, students will be immersed in Dine' Bizaad, the basic foundation of the Navajo language. The Athabaskan language is actively used among the Navajo Nation located in the Southwest. As part of the language revitalization, instruction will include basic verbal language, reading content, writing, grammar and vocabulary. Appropriate cultural components are studied. This course meets the requirements for the Chief Manuelito Scholarship.

WL 66 - Dine' Bizaad- Navajo Language Level II*Prerequisites:** Level I Proficient **2 Sem. — 1 WL Credit**

Application of language skills in reading, writing, and conversation. Level I skills are reviewed and maintained. Appropriate cultural components are studied. This course meets the requirements for the Chief Manuelito Scholarship.

WL 81 Spanish for Spanish Speakers I*2 Sem. — 1 Elective/WL Credit**

Designed for, EL, and bilingual Spanish/English students. This course reinforces and expands students' skills to interpret (read, listen, view), present (speak, write) information and exchange (speak and listen; read and write) information, concepts, and ideas on a variety of topics at the intermediate level. Spanish for Spanish speakers advances students' understanding of the relationships among the products, practices, and perspectives of the cultures included in the Spanish-speaking world.

WL 82 Spanish for Spanish Speakers II*2 Sem. — 1 Elective/WL Credit**

Designed for, but not limited to ELL and bilingual Spanish/English students, this literature-based class focuses on cultural and literary themes. The class emphasizes literary analysis and terminology as well as advanced composition skills. WL 82 prepares students for WL 94 or WL 25 Spanish Language. **Note: This is a weighted course.**

VERIFY OFFERINGS AT SCHOOL SITE

WORLD LANGUAGES

WL 90 IB Spanish Standard Level*Grade:** 11-12 **2 Sem. — 1 Elective/WL Credit****Prerequisites:** WL 23 Spanish III, teacher recommendation

Focuses on preparing students for the standard level of the International Baccalaureate Spanish examination. Students will advance their ability to communicate in Spanish in all four skills areas as they explore themes of change, groups and leisure through the study of geography, history, art, music and literature. Students who are not enrolled in the IB Diploma Programme may opt to take the AP Spanish exam. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

WL 91 IB French Standard Level*Grade:** 11-12 **2 Sem. — 1 Elective/WL Credit****Prerequisites:** WL 43 French III, teacher recommendation

Designed to expand and develop oral communication, listening, reading and writing skills. Appropriate cultural elements will also be included. Students develop the skills needed for both the AP and IB examinations. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

WL 92 IB Mandarin Chinese Standard Level I*Grade:** 11-12 **2 Sem. — 1 Elective/WL Credit****Prerequisites:** WL 13 Chinese III, teacher recommendation

This course focuses on preparing students for the standard level of the International Baccalaureate Chinese Examination. Students will advance their ability to communicate in Chinese in all four skill areas as they explore themes of change, groups and leisure through the study of geography, history, art, music and literature. Students who are not enrolled in the IB Diploma Programme may opt to take the AP Chinese Exam. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

WL 93 IB Mandarin Chinese Standard Level II*Grade:** 11-12 **2 Sem. — 1 Elective/WL Credit****Prerequisite:** WL 92, teacher recommendation

This course continues the students preparation for the standard level of the International Baccalaureate Chinese Examination. Students will continue to advance their ability to communicate in Chinese in all four skill areas as they further explore themes of change, groups and leisure through the study of geography, history, art, music and literature. Students who are not enrolled in the IB Diploma Programme may opt to take the AP Chinese Exam. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

WL 94 IB Spanish Higher Level I*Grade:** 11-12 **2 Sem. — 1 Elective/WL Credit****Prerequisites:** WL 23, teacher recommendation

Focuses on preparing students for the standard level of the International Baccalaureate Spanish examination. Students will advance their ability to communicate in Spanish in all four skills areas as they explore themes of change, groups and leisure through the study of geography, history, art, music and literature. Students who are not enrolled in the IB Diploma Programme may opt to take the AP Spanish exam. This course is part of the IB Diploma Programme. **NOTE: This is a weighted course.**

WL 99 Independent Study**Frequently Asked Questions About World Languages**

CAN STUDENTS COUNT WORLD LANGUAGE AS A SUBSTITUTE FOR ENGLISH? **No.**

HOW MANY YEARS OF A WORLD LANGUAGE DO STUDENTS NEED TO GET INTO COLLEGE? **To meet Arizona public university requirements, high school students should take at least 2 years in the same world language. Check with the university of your choice regarding other options to meet university entrance requirements such as CLEP Examination scores.**

VERIFY OFFERINGS AT SCHOOL SITE

STUDENT ASSISTANT PROGRAM

The Student Assistant Program was established because there is a need for student help in every department at the senior high schools. The program has been set up under the following conditions:

1. The student will receive $\frac{1}{2}$ elective credit per semester, a P/F grade is issued.
2. The student must have a Student Assistant Program application (with necessary signatures) completed before he/she can be registered in the program.

It is recommended a student be limited to one credit per school year in the Student Assistant and Work Experience programs. Students are eligible to earn up to and no more than a total of 2 credit hours through the Student Assistant Program.

SA 40 STUDENT ASSISTANT, AGRICULTURAL SCIENCE**SA 41 STUDENT ASSISTANT, ART****SA 42 STUDENT ASSISTANT, BUSINESS EDUCATION****SA 43 STUDENT ASSISTANT, ENGLISH****SA 44 STUDENT ASSISTANT, WORLD LANGUAGE****SA 45 STUDENT ASSISTANT, FAMILY AND CONSUMER SCIENCES****SA 46 STUDENT ASSISTANT, INDUSTRIAL TECHNOLOGY****SA 47 STUDENT ASSISTANT, MATHEMATICS****SA 48 STUDENT ASSISTANT, PERFORMING ARTS****SA 49 STUDENT ASSISTANT, MUSIC****SA 50 STUDENT ASSISTANT, READING****SA 51 STUDENT ASSISTANT, SCIENCE****SA 52 STUDENT ASSISTANT, SOCIAL STUDIES****SA 53 STUDENT ASSISTANT, PHYSICAL EDUCATION****SA 54 STUDENT ASSISTANT, TRAFFIC SAFETY****SA 55 STUDENT ASSISTANT, BOOK STORE****SA 56 STUDENT ASSISTANT, INDIVIDUAL INSTRUCTION****SA 58 STUDENT ASSISTANT, CAFETERIA****SA 60 STUDENT ASSISTANT, PRINCIPAL'S OFFICE****SA 61 STUDENT ASSISTANT, REGISTRATION OFFICE****SA 62 STUDENT ASSISTANT, GUIDANCE OFFICE****SA 63 STUDENT ASSISTANT, ATTENDANCE OFFICE****SA 66 STUDENT ASSISTANT, NURSE'S OFFICE****SA 67 STUDENT ASSISTANT, CUSTODIAN****SA 68 STUDENT ASSISTANT, COMPUTER SCIENCE****SA 69 STUDENT ASSISTANT, ASSISTANT PRINCIPALS' OFFICE****SA 70 STUDENT ASSISTANT, AEROSPACE SCIENCE****SA 64 Media Center**

1 or 2 Sem. — $\frac{1}{2}$ or 1 Elective Credit

Prerequisites: Average. or above grades

Students receive instruction in library skills and procedures with emphasis on the practical application of that instruction. While gaining valuable "on-the-job" experiences, students provide Media Center services to students and faculty.

SA 65 Audio Visual Media Service

1 or 2 Sem. — $\frac{1}{2}$ or 1 Elective Credit

Offers theory and practical experience in the operation of Audio Visual/Computer equipment. Students enrolled in this course help provide valuable audio visual media services for the instructional programs at the school.

VERIFY OFFERINGS AT SCHOOL SITE

NON-CREDIT

NC 40 RELEASED TIME-PERSONAL No Credit
(for religious purposes—A.R.S. §15-806)

NC 50 STUDY HALL No Credit

NC 60 LUNCH No Credit
All high schools

NC 90 - NC 97 RELEASED TIME/Parent Request No Credit

SPECIAL COURSE NUMBERS

AD 86 Academic Decathlon: Fine Arts Exploration in its Scientific & Historical Context

Prerequisites: See Student Advisor 2 Sem. — 1 Fine Arts/Elective Credit

This course surveys a fine arts curriculum at an introductory college level. It introduces the fundamentals of art composition, art history, and the various techniques adapted to painting, sketching, photography, sculpture, mixed media and architecture. The curriculum also includes the basics of music theory and fundamentals. This in-depth humanities education provides students with the necessary vocabulary for a fine arts historical analysis and encourages the students to understand the significance of a work of art within their original historical, economic, and scientific contexts. This course also prepares students for Academic Decathlon competition. **NOTE: This is a weighted course.**

AI 40 Academic Intervention

1 or 2 Sem. — $\frac{1}{2}$ or 1 Elective Credit

This course provides students extra time and intervention services to accelerate achievement in reading, writing or mathematics. In a Response to Intervention (Rti) model this is a tier 2 intervention providing additional focused instruction.

AV 09, AV 10, AV 11, AV 12 AVID

2 Sem. — 1 Elective Credit

AVID stands for Advancement Via Individual Determination and is a junior high through senior high school college and career readiness system designed to prepare self-determined students for college, career, and community. A component of the AVID college readiness system is the AVID Elective class, which is designed to support students with rigorous academic preparedness as they enroll in rigorous courses, opportunity knowledge as they explore college and career options, and develop student agency and self determination. AVID students also engage in a collaborative-inquiry process through tutorials twice per week in order to support them in their rigorous coursework. Placement is typically done through an application process.

CP 20 AP Capstone: AP Seminar

2 Sem. — 1 Elective Credit

In this yearlong course, students develop and strengthen analytic and inquiry skills, exploring two to four relevant issues chosen by the student and/or teacher. For example, students might explore the question of whether national security is more important than a citizen's right to privacy, or whether genetic engineering is a benefit to society. Using an inquiry framework, students practice reading and analyzing articles; research studies; foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to consider an issue from multiple perspectives, evaluate the strength of an argument, and make logical, fact-based decisions. Students question, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media. After taking AP Seminar, students will have the opportunity to further hone their inquiry and analytical writing skills in AP Research. **NOTE: This is a weighted course.**

VERIFY OFFERINGS AT SCHOOL SITE

SPECIAL COURSE NUMBERS

CP 21 AP Capstone: AP Research

2 Sem. — 1 Elective Credit

AP Research allows students to design, plan, and conduct a yearlong research-based investigation on a topic of individual interest, documenting their process with a portfolio. This allows students to demonstrate the ability to apply scholarly understanding to real-world problems and issues. Students further the skills developed in AP Seminar by learning how to understand research methodology, employ ethical research practices, and access, analyze, and synthesize information to build, present, and defend an argument. **NOTE: This is a weighted course.**

SK 20 High School 101

2 Sem. — 1 Elective Credit

The freshman year of high school is a critical year in a student's academic life. This course is designed to guide and support incoming freshmen as they transition from junior high to the demands of high school. The program focuses on using teacher and student mentors to facilitate activities that acclimate freshmen to the social and academic rigors of the high school campus. Students will learn skills promoting proactive behavior, as well as a growth mindset.

SK 30 College and Career Readiness

2 Sem. — 1 Elective Credit

The course will focus on strategies to create success in college. It will include methods for selecting and developing effective academic strategies, increasing self-awareness, understanding self-advocacy and developing self-management strategies. It is also designed to assist students to make informed career decisions. The course focuses on current occupational trends and outlooks. Students will explore career-related interests, values, needs, preferences, skills, and strengths with the use of various assessments.

ST 20 Leadership**Prerequisites:** Teacher recommendation

1 Sem. — ½ Elective Credit

This course is designed to teach students leadership skills that apply to work, community, family, and school settings. Students will learn a 5-stage mediation process and use their skills to help other students resolve conflicts. Effective communication behaviors such as active listening, consensus building, questioning, effective complaining, and "I" messages will be learned and practiced. Students will demonstrate leadership by becoming involved in campus and community service projects. Other topics to be explored include ethics, unity/diversity, confidence building, decision-making, teamwork, public speaking, personal development, and qualities of good leaders.

ST 30 Link Leadership

2 Sem. — 1 Elective Credit

The Link Leadership course is designed for junior and senior students who have applied and been selected as Link Crew Leaders. Students will gain leadership skills to use in school, the community, and beyond as they focus on team and climate building, organization, leadership, communication, facilitation/teaching and personal development.

ST 92 Student Council

1 Yr. — 1 Elective Credit

Designed for students elected to the Student Council.

ST 94 Service Learning/Community Engagement

Grade: 9-12

1 or 2 Sem. — ½ Elective Credit

Combines classroom study of community issues, civic engagement, and career interests with field experience serving in the community. Students attend class two days a week and volunteer three hours a week at one or more placement sites such as schools, community organizations, or sports leagues. Classroom activities focus on personal and interpersonal skill development, leadership, project planning, and employment skills. Classroom and volunteer hours combined must total 90 hours for each 1/2 credit.

VERIFY OFFERINGS AT SCHOOL SITE

CAREER EXPLORATION PROGRAM

WE 90 Career Exploration Program

9 weeks — 2 Sem.; 128 hrs. = ½ Credit

Prerequisites: Parent/Guardian Consent

256 hrs. = 1 Credit

The Career Exploration Program is an opportunity for students to earn elective credit while working in a paid position. There are no regular classes to attend; however, Career Activity Assignment booklets are required to be completed in addition to working on the job. Only one full credit may be earned without prior approval of principal. The Career Resource Center at your school has all the information and forms you need.

ADDITIONAL ACADEMIC COURSES

EN 19C Connected Freshman Essentials of English

2 Sem. — 1 English Credit

A course in which the curriculum addresses reading literature and informational text, writing, speaking and listening skills, and language concepts (conventions and vocabulary). Students will engage in evidence based reading and writing. This course reinforces basic reading and writing skills while teaching the essential skills of Freshman English at a more individualized pace. Course may be taken only upon teacher approval. Course content will be aligned to Core Content Connectors, and instruction will be differentiated to meet the specialized needs of the student.

EN 29C Connected Senior Essentials of English

2 Sem. — 1 English Credit

A course in which the curriculum addresses reading literature and informational text, writing, speaking and listening skills, and language concepts (conventions and vocabulary). Students will engage in evidence based reading and writing. This course reinforces basic reading and writing skills while teaching the essential skills of Senior English at a more individualized pace. Course may be taken only upon teacher approval. Course content will be aligned to Core Content Connectors, and instruction will be differentiated to meet the specialized needs of the student.

EN 37C Connected Junior Essentials of English

2 Sem. — 1 English Credit

A course in which the curriculum addresses reading literature and informational text, writing, speaking and listening skills, and language concepts (conventions and vocabulary). Students will engage in evidence based reading and writing. This course reinforces basic reading and writing skills while teaching the essential skills of Junior English at a more individualized pace. Course content will be aligned to Core Content Connectors, and instruction will be differentiated to meet the specialized needs of the student.

EN 38C Connected Sophomore Essentials of English

2 Sem. — 1 English Credit

A course in which the curriculum addresses reading literature and informational text, writing, speaking and listening skills, and language concepts (conventions and vocabulary). Students will engage in evidence based reading and writing. This course reinforces basic reading and writing skills while teaching the essential skills of Sophomore English at a more individualized pace. Course may be taken only upon teacher approval. Course content will be aligned to Core Content Connectors, and instruction will be differentiated to meet the specialized needs of the student.

II 03S Individual Instruction

1 Sem. — ½ Elective Credit

The Individual Instruction course provides an opportunity for students to learn specific strategies pertaining to a targeted area. This course places emphasis on methods of instruction utilizing an abundance of resources to assist students.

VERIFY OFFERINGS AT SCHOOL SITE

ADDITIONAL ACADEMIC COURSES

MA 27C Connected Algebra I**2 Sem. — 1 Math Credit**

Mathematical practices and modeling mathematics are embedded into standards for algebra to include the study of number and quantity, functions, reasoning with equations and inequalities, and interpreting categorical and quantitative data. Instructional time and learning focuses on three critical areas: (1) seeing structure in expressions (2) creating equations (3) reasoning with equations. Course may be taken only upon teacher approval. Course content will be aligned to Core Content Connectors, instruction will be differentiated to meet the specialized needs of the student.

MA 30C Connected Geometry**2 Sem. — 1 Math Credit**

Mathematical practices and modeling with mathematics are embedded into standards for geometry to include the study of congruence, similarity, right triangles, and trigonometry, circles, expressing geometric properties with equations, and geometric measurement and dimension. Instructional time and learning focuses on five critical areas: (1) congruence; (2) similarity; (3) connecting algebra and geometry through coordinates; (4) area of circles; (5) applications of probability. Course may be taken only upon teacher approval. Course content will be aligned to Core Content Connectors, and instruction will be differentiated to meet the specialized needs of the student.

MA 35C Connected Personal Finance**2 Sem. — 1 Math Credit**

This course introduces students to the basics of financial literacy including such topics as creating personal financial goals, saving, banking, using debit and credit cards, and making purchases. Course may be taken only upon teacher approval. Course content will be aligned to Core Content Connectors, and instruction will be differentiated to meet the specialized needs of the student.

MA 38C Connected Algebra Applications**2 Sem. — 1 Math Credit**

This course extends and applies the concepts of Connected Algebra I. The curriculum includes the study of linear and exponential functions. Course may be taken only upon teacher approval. Course content will be aligned to Core Content Connectors, and instruction will be differentiated to meet the specialized needs of the student.

PP 21S Career Planning Strategies**1 or 2 Sem. — ½ Practical Arts Credit per Sem.**

Career Planning Strategies provides students with the essential skills necessary to prepare for work/career pathways. The students will develop essential study skills, self-advocacy skills, self-determination skills, research careers, identify career expectations both in the classroom and in the community, in preparation for life after high school.

PP 23S Career Exploration**1 or 2 Sem. — ½ Elective Credit per Sem.**

The purpose of career exploration is for students to explore possible career, vocational and workplace options. Options include, but are not limited to, interest inventories and hands-on work related experiences to assist students in determining their strengths, preferences and interests relating to potential work opportunities and careers.

PP 28S On-The-Job Training**1 or 2 Sem. — ½ Elective Credit per Sem.**

The On the Job Training course is a specialized opportunity for students to earn elective credit while working in a paid or volunteer setting. Students will develop job skills in an actual work setting obtained on campus or in the community. Students apply learned workplace skills and receive training to prepare them for post secondary job placement.
Note: Course may be taken only upon teacher approval.

VERIFY OFFERINGS AT SCHOOL SITE

ADDITIONAL ACADEMIC COURSES

PP 29S Community Work Experience**1 or 2 Sem. — ½ Elective Credit per Sem.**

Community Work Experience provides job development and coaching to increase work readiness skills for employment. Skills may include job search strategies, professional communication, dispute resolution in the workplace, role play of common workplace scenarios, and competencies to maintain employment. **Note: Course may be taken only upon teacher approval.**

PP 37S Alternative Work Experience**1 or 2 Sem. — ½ Elective Credit per Sem.**

Alternative Work Experience (AWE) provides job opportunities through on-campus work or internships. Students receive credit toward graduation for their work experiences based on input from the assigned staff member. Job sites are individually tailored to help the student's transition from a school work site to training in a paid work environment. **Note: Course may be taken only upon teacher approval.**

PP 51S Life Skills**2 Sem. — 1 Elective Credit**

This course provides instruction in activities that increases a student's ability to function with maximum participation possible in their daily life, within present and future environments. Activities may include health and safety, adult living skills (i.e. shopping, interpreting bus schedules, purchasing), meal preparation and planning.

PP 57S Basic Science**1 or 2 Sem. — ½ Elective Credit per Sem.**

This course provides instruction based on the Arizona State Standards in science. Emphasis will focus on science concepts and content through a hands-on science approach. Inquiry based Students will gain knowledge through the following science concepts. Earth/Space, Physical Science, Life Science, Chemistry, and Physics.

PP 59S Basic Social Studies**1 or 2 Sem. — ½ Elective Credit per Sem.**

This course provides instruction based on the Arizona State Standards in Science Emphasis will focus on of Earth/Space, Physical Science, Life Science, Chemistry, and Physics through an inquiry based approach.

PP 60S Listening/Speaking and Increased Social Skills**2 Sem. — 1 Elective Credit**

This course focuses students on how to use communication skills to describe the thinking process and understand the intentions of others better. Objectives include higher order thinking and reasoning skills such as cause/effect, predictions, inferences, and perspective taking that relate to effective group communication and analysis of written language for literary and informational purposes.

PP 80S Physical Education**1 or 2 Sem. — ½ or 1 PE Credit**

This course provides students a basic foundation in the areas of nutrition, recreation/ leisure, and aerobic activity through interactive learning experiences which are designed to promote and increase lifetime physical fitness.

PP 85S Service Learning**2 hrs./week = ½ Elective Credit/Sem.****5 hrs./week = 1 Elective Credit/Sem.**

A chance to do volunteer service in the community for experience and training.

VERIFY OFFERINGS AT SCHOOL SITE

ADDITIONAL ACADEMIC COURSES

PP 86S Vocational Training Experience

**2 hrs./week = ½ Elective Credit/Sem.
5 hrs./week = 1 Elective Credit/Sem.**

The program fits the individual need of the student. Many students will also be involved with Vocational Rehabilitation or other community agencies.

RD 51C Connected Reading I

RD 52C Connected Reading II

RD 53C Connected Reading III

RD 54C Connected Reading IV

2 Sem. — 1 Elective Credit

These courses are designed to meet the literacy needs of the students who require additional support in reading. The classes will focus on improving the student's literacy skills addressing the essential components of Reading: Phonemic Awareness, Phonics, Vocabulary, Comprehension, and Fluency. Assessment is required prior to placement in these classes. Course may be taken only upon teacher approval. Course content will be aligned to Core Content Connectors, and instruction will be differentiated to meet the specialized needs of the student.

VERIFY OFFERINGS AT SCHOOL SITE

EAST VALLEY INSTITUTE OF TECHNOLOGY (EVIT) COURSE CATALOG

East Valley Institute of Technology – EVIT | 2022-2023 Course Catalog

Main Campus: 1601 W Main St, Mesa, AZ 85201 | (480) 461-4000

Power Campus: 6625 S Power Rd, Mesa, AZ 85212 | (480) 308-4600

Apache Junction Branch Campus: 2525 South Ironwood Drive Apache Junction, AZ 85210

<http://www.evit.com> | <http://facebook.com/EVITNews> | <http://twitter.com/EVITNews>



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, Cave Creek, Chandler, Fountain Hills, Gilbert, Higley, J.O. Combs, Mesa, Queen Creek, Scottsdale, and Tempe.

Classes are offered at three campuses:

- Dr. A. Keith Crandell (Main) Campus, 1601 W. Main St.
- Power Campus, 6625 S. Power Road
- 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 change lives by loving our students and serving our communities with 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 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 CTSO – a Career & Technical Student Organization. Membership in state and national clubs is encouraged:

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

When do students register?

Students are encouraged to apply for EVIT programs as soon as our online registration opens which is November 1, 2021 for Fall 2022 enrollment. EVIT places students in a class on a first come/first served basis. Students that have all required documentation will be scheduled into a class if they meet the requirements and are accepted into the program. Once the class is full, students will be placed on a waiting list. 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 www.evit.com.

What is needed to register?

High School 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, attendance record, discipline record, and immunizations records. For any students attending a school outside of our 11 school districts, proof of residency and proof of age is required.

How many credits can be earned?

A high school 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 high school academic credits from EVIT just count as electives?

Generally, credits earned at EVIT fulfill only elective credit requirements for graduation. EVIT does offer Arizona Board of Regents (ABOR) approved embedded credits for specific programs. These credits are 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. Please check with your high school for specific information and acceptance of embedded credit.

What time are classes?

Classes meet Monday through Friday from 8:00 a.m. to 10:35 a.m. or 12:00 p.m. 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, Barbering and some medical programs may be extended to meet state certification requirements. Transportation to/from extended hour classes may not be provided by your district. Please check with your home school if transportation is needed.

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. Adult students have the option to attend Adult-Only programs or Blended programs. Tuition is charged for adult students. For more information about programs for adult students, please contact Adult Education @EVIT at (480) 461-4110 or visit www.evit.com/adulted.

EVIT High School Programs by Campus

Note: Program offerings are subject to change or adjustment based on variety of factors, including student enrollment.

COURSE CODE	PROGRAM NAME	MAIN	POWER	A.J.	ADULT
DA10/20/30	3D Animation	X			X
CS14/24	Aesthetics	X			X
AM10/20/30/35	Automotive Technologies	X			X
AV05/10/20/35	Aviation		X		X
BK10/20/30	Banking and Financial Services	X			X
CS15/25/35	Barbering	X			X
MC65/66	Behavioral, Mental and Social Health Services	X			X
AB10/20/30/35	Collision Repair	X			X
CU20/25/26	Commercial Baking and Pastry Arts	X			X
CT10/20/25	Construction	X		X	X
CS10/20/31	Cosmetology	X	X		X
LE10/20/25	Criminal Justice	X			X
CU10/15/16	Culinary Arts	X			X
MC59/60/61	Dental Assisting*	X			X
AM63/68/69/70	Diesel Technologies	X			X
IT11/30/35	Digital Device Diagnostic and Repair	X			X
DP10/20/25	Digital Photography*	X			X
CC10/20/25	Early Childhood Education	X			X
TR10/20/25	Electrical and Power Transmission	X			X
MC37/55/56	Emergency Medical Technician*	X			X
FIT11/13/25	Fashion Design and Merchandising	X			X
FF10/20/25	Fire and Emergency Services	X			X
IT60/61/62/63	Future Engineers	X	X		
MM30/35/40	Graphic/Web Design	X			X
AC10/20/25	Heating, Ventilation and Air Conditioning (HVAC)	X			X
HM10/20/25	Hospitality Management	X			X
FIT12/14/35	Interior Design & Merchandising	X			X
MT10/20/30/35	Machining Technology	X			X
MA05/06/10/20/25	Massage Therapy	X			X
MC19/20/21/22/23	Medical Assistant*	X	X		X
IT12/20/26	Networking & Cyber Security*	X			X
MC29/30/31	Nursing Assistant*	X	X		X
MC39/57/58	Occupational Therapy Aide*	X			X
MC43/63	Pharmacy Technician*	X			X
MC38/45/46	Physical Therapy Technician*	X			X
PLB10/20/22	Plumbing	X			X
RB10/20/30	Radio/Audio Production	X			X
IT13/40/45	Software Development, Coding & Mobile App Design	X			X
MC14/44/64	Veterinary Assistant*		X		X
TV10/20/30	Video Production	X			X
WD10/20/25	Welding	X	X	X	X

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

EVIT Admissions Department

Andrea Macias, Registrar

Main Campus: 480-461-4109 • amacias@evit.com

High School & Adult

EVIT District Course Scheduling, Grades, Transcripts, Data Collection & Management, Mass Attendance Changes, Bilingual Services

Noelle Villegas, Admissions Specialist

Main Campus: 480-461-4108 • nvillegas@evit.com

High School Student Services

General Advisement, Online Application Management, Student Records, Bilingual Services

Sara Snyder, Admissions Specialist

Power Campus: 480-308-4631 • ssnyder@evit.com

High School Student Services

General Advisement, Online Application Management, Student Records

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

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

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

Anita Aguinaga, Special Education Administrative Assistant

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

Special Projects: IEP/504 Accommodations Coordinator & Services

EVIT Recruitment Team

Blair Howland, High School Recruiter

480-461-4036 • bhowland@evit.com

Schools: Mesa Public Schools, Scottsdale Unified, Fountain Hills, Cave Creek, Apache Junction, JO Combs, Queen Creek, Higley and Charter Schools.

Cassi Perez, High School Recruiter

480-461-4162 • cperez@evit.com

Schools: Tempe Union, Chandler Unified, Gilbert Public Schools and Charter Schools.

High School Counselor Steps to Register a Student for EVIT

1. Students should familiarize themselves with the curriculum and requirements for their program of choice. This can be done through the EVIT website or through this guide.
2. Students should be on track with credits to graduate and plan to dedicate at least three hours in their daily schedule to attend EVIT.
Morning session: 8:00 a.m. to 10:35 a.m.
Afternoon session: 12:00 p.m. to 2:35 p.m.

Please note: Cosmetology, Aesthetics, Barbering, 1-year Massage Therapy, & 1-year Medical Assistant have extended hours and meet from 7 a.m. to 11 a.m. or 12 p.m. to 4 p.m. Students may have to provide their own transportation for these programs.

3. Students should be informed of the date EVIT recruiters/counselors will visit their campus.
4. Students should have the following documents when completing online application:
 - Unofficial transcript
 - AZMerit or other standardized test scores (If GPA is below program minimum)
 - Attendance record (or rubric completed by home high school counselor)
 - Discipline record (or rubric completed by home high school counselor)
 - Proof of age (may be on transcript)
 - Immunization records
 - Proof of residency, if attending a private or charter school



Returning EVIT Students

Students who are returning for a second year will not need to re-apply. Students will complete a Returning Student Form through EVIT Admissions to reserve a slot for their program of choice. Students requesting to return for a new program, different from the one they completed, will need to submit an updated transcript along with their Returning Student Form. High school counselors may contact the EVIT Registrar at the end of May for a tentative enrollment list of their students. Please note that new and returning student enrollments are subject to change depending on course enrollment totals.

Walk-In Registration

EVIT's Admissions Department is centrally located at the Dr. A. Keith Crandell (Main) Campus, 1601 W. Main Street, Mesa. Office hours are 7:30 a.m. to 4:00 p.m., Monday through Friday during the school year with summer hours 7:30 a.m. to 4:00 p.m., Monday through Thursday. It is recommended that students/parents requiring specialized advisement call ahead at 480-461-4000.

Walk-In registration still requires the completion of an online application, which can be completed in our admissions department. Please advise your students that they will need to hand carry all required documents for their application to be scanned and uploaded by EVIT Admissions. Students will be reviewed and scheduled in order of online application, however EVIT admissions can let you know immediately if you meet the acceptance criteria. It is the student/parent responsibility to coordinate their schedules with their respective high school counselor.

Be advised: EVIT has moved to an online registration system. Please visit www.evit.com & click on ENROLL NOW.



NOTE: Any student interested in programs at EVIT may submit an application for consideration. The East Valley Institute of Technology does not discriminate on the basis of race, color, religion, national origin, sex, disability, age, sexual orientation or lack of English language skills in admission and access to its programs, services, activities or any aspect of its operations and provides equal access to designated youth groups. EVIT also does not discriminate in its hiring or employment practices. EVIT has a policy of non-retaliation against any person who makes a complaint, testifies or participates in an investigation or civil rights proceeding regarding prohibited discrimination. EVIT will not request or consider IEPs, 504 Plans or other disability-related information in its admissions process. For "Seniors only" courses, students must have a grade 12 equivalent in academic credits.

The following employees have been designated to handle inquiries regarding EVIT's nondiscrimination policies:

Title IX/Title VII/EEOC Coordinator
EVIT Superintendent
 1601 W. Main St., Mesa, AZ 85201
 (480) 461-4000
superintendent@evit.com

Section 504/ADA Coordinator
Tony Niccum, STEPS
 1601 W. Main St., Mesa, AZ 85201
 (480) 461-4154
tniccum@evit.com

EVIT COURSES

DA10, DA20, DA30

3D Animation

2-4 Semesters

Main Campus

Yes, college credit options

Bring creative ideas to life by combining traditional artistic skills and design techniques to develop projects in 3D animation, visual effects and game assets. You'll develop skills in environmental and character modeling, texturing, lighting, rigging, animation and more using industry standard software such as Maya, Z-brush, Adobe After Effects, and others. Students leave the class with a tangible portfolio, a portfolio website and have the opportunity to become an Autodesk Certified User.

Certification	Autodesk Certified User (Maya)
Prerequisites	At least 6 high school credits, including 1 Math and 1 English credit, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores, ** strong art skill are a plus **

CS14, CS24

Aesthetics

2 Semesters

Main Campus

Yes, college credit options

Specialize in the science of skin care and makeup application. Learn techniques for exfoliation, skin analysis, deep pore cleansing, specialized treatments, facials and waxing. Prepare to take the Arizona State Board of Cosmetology exam for Aestheticians after completing this 600-hour program. **** Students attend 4-hours each day & may be required to provide their own transportation.**

Certification	Arizona Board of Cosmetology Aesthetics Licensure
Prerequisites	At least 10 high school credits, including 2 English credits, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

AM10, AM20, AM30, AM35

Automotive Technologies

2-4 Semesters

Main Campus

Yes, college credit options

Train for a career in the automotive industry through Automotive Service Excellence Technicians Education Foundation 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 auto repair and maintenance including engine performance, engine repair, electrical systems, brakes, steering, suspension and alignment. Practice and master hands-on skills on late-model automobiles and participate in work-based internship and job shadowing.

Certification	Automotive Service Excellence (ASE) Student Certifications (10)
Prerequisites	At least 6 high school credits, including 1 English credit and Algebra: 'C' or better, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

AV05, AV10, AV20, AV35

Aviation

2-4 Semesters

Power Campus

Yes, college credit options

Explore the exciting world of aviation through classroom experiences and hands-on lab work. Learn about the history of aviation, job opportunities and "hands-on" skill sets require for careers in areas such as air transportation operations, air traffic control, airframe and power-plant maintenance, professional pilot, airport management and unmanned aircraft systems (UAS) operations. Advanced Aviation Year 2 includes several more dual enrollment classes applicable to the aviation degrees. Several options are available to begin your flight training in the second semester. This includes both airplanes and rotorcraft. Those not entering flight training will be involved in an internship.

Certification	Federal Aviation Administration (FAA) Ground School or Federal Aviation Administration (FAA) Remote Pilot, Private Pilot
Prerequisites	At least 6 high school credits, including Pre-Algebra, on track to graduate or a plan for graduation, 2.5 GPA or equivalent standardized test scores

BK10, BK20

Banking and Financial Services

2 Semesters

Main Campus

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.

Certification	At least 6 high school credits, including 2 Math credits: 'C' or better and 1 English credit: 'C' or better, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores
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CS15, CS25, CS35**Barbering****4+ Semesters****Main Campus**

Imagine having a fun, high-paying job that lets you use your creativity to make people look good! Skills learned in the Barbering program focus on the care of hair, skin and nails. Technical training will include the theory of chemicals and hair coloring, cutting, styling, facial hair, client safety, hygiene and customer relations. Students will provide services to the public in a working barber shop on the EVIT campus. After completing the 1,500-hour course, students are prepared to take the State of Arizona Board of Barbers licensing exam. **** May require some summer hours Students attend class for four hours each day and may be required to provide their own transportation. ****

Certification	Arizona Board of Barbering Barber Licensure
Prerequisites	At least 10 high school credits, including 2 English credits, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores
Documents required for the program	Proof of Age (Birth cert.), Social Security Card or Waiver, signed Statement of Understanding of Program Requirements.

MC65, MC66**Behavioral, Mental & Social Health Services****2 Semesters****Main Campus**

Prepare for a career in behavioral and social health as a behavioral health technician or mental health technician. The certification can lead to job opportunities as a case manager, parent aide, family advocate, respite worker, and paraprofessional counselor. Certified Mental Health Technicians may work as part of a team and care for emotionally disturbed and mentally ill patients. Job opportunities are found in both public and private hospitals, nursing homes, and residential mental health facilities. Duties may include coordinating mental health services, patient interviews, treatment documentation as well as helping patients with their personal needs. This two-semester program will provide foundational modules in care delivery systems, legal/safety requirements, introduction to basic mental and social illnesses, disorders and conditions as well as strategies to improve mental and social health and resources to problem solve and promote well-being. **** Students will be randomly drug tested**

Certification	Mental Health Technician, Article 9 Certification, Psychological First Aid
Prerequisites	At least 6 high school credits, including 1 Math and 1 English credit; on track to graduate or a plan for graduation; 2.0 GPA or equivalent standardized test scores

AB10, AB20, AB30, AB35**Collision Repair****2-4 Semesters****Main Campus**

Learn the collision repair business from A-Z, including damage diagnosis (estimating), non-structural metal repair, structural repair, including set-up and measuring on frame equipment, paint preparation and refinish techniques with paint mixing, paint matching and blending procedures. Finish procedures will familiarize you with color sanding and buffing as well as detailing. This is Arizona's first Automotive Service Excellence Education Foundation certified collision program. Students will have the opportunity to take I-CAR classes and obtain I-CAR credit hours as well as the opportunity to secure ASE (Automotive Service Excellence) certifications. Prepare for entry level jobs ranging from body or paint technician, parts procurement, production manager, insurance estimator or adjuster, paint or tool rep or salesperson and many more.

Certification	Automotive Service Excellence (ASE) Student Certification, National Automotive Technicians Education Foundation (NATEF) Certification
Prerequisites	At least 6 high school credits, including Pre-Algebra: 'C' or better, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

CU20, CU25, CU26**Commercial Baking and Pastry Arts****2-4 Semesters****Main Campus****Yes, college credit options**

Learn the tools-of-the-trade and professionalism necessary to gain employment as a baker, pastry chef or business owner. Baking instruction focuses on making cookies, cakes, chocolate confections, tarts, breads and plated desserts. The class also advances to cake decorating, pastries, plate painting, individual desserts and wedding cakes. Students manage an on-site retail bakery and pastry shop to learn what it's like working in the industry and with the public. EVIT's Commercial Baking and Pastry Arts program is accredited by the Accrediting Commission of the American Culinary Federation Education Foundation.

Certification	ServSafe Manager ACF Certification
Prerequisites	At least 6 high school credits, including 1 Math credit, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores, Foods I and/or Foods II or work experience in the field or teacher approval

CT10, CT20, CT25**Construction****2-4 Semesters****Main & Apache Junction Campus****Yes, college credit options**

Learn to build a structure from the ground up! Develop hands-on skills in various disciplines of commercial and residential construction including electrical wiring, plumbing, masonry, framing, roofing, drywall and finish work. Students also gain an understanding of safety, the use of hand and power tools, blueprint reading, and estimating and construction operations. Students will have the opportunity to obtain the OSHA 10-hour card in Construction. Industry-driven curriculum and internships prepare students for employment, apprenticeship programs, community college or a four-year post-secondary institution.

Certification	OSHA 10, NCCER Construction Technology
Prerequisites	At least 6 high school credits, including 1 Math credit, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

CS10, CS20, CS31**Cosmetology****2-4 Semesters****Main & Power Campus****Yes, college credit options**

Imagine having a fun, high-paying job that lets you use your creativity to make people look good! Skills learned in cosmetology focus on the care and beautification of hair, skin & nails. Technical training includes the theory of chemicals and hair coloring, cutting, client safety, hygiene and customer relations. Second-year students provide services to the public in a working salon on the EVIT campus. After completing the 1,500-hour course*, students are prepared to take the Arizona State Board of Cosmetology licensing exam.

Certification	Arizona State Board of Cosmetology State License
Prerequisites	At least 10 high school credits, including 2 English credits; On track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores
Documents required for the program	Transcript with 10 credits including 2 credits of English (as mandated by state regulation), Social Security Card or Waiver, signed Statement of Understanding of Program Requirements, and a Cosmetology enrollment form.

LE10, LE20, LE25**Criminal Justice****2-4 Semesters****Main Campus****Yes, college credit options**

Prepare for a career in the Criminal Justice system. Training includes basic 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 them in entering a career in the criminal justice system, including law enforcement, courts, jails, correctional institutions, and probation and parole. The program will prepare students for military service, college, or employment in criminal justice.

Certification	Unarmed Guard Card, ** 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.
Prerequisites	At least 6 high school credits, including 1 Math credit and 1 English credit: 'C' or better, No criminal history, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

CU10, CU15, CU16**Culinary Arts****2-4 Semesters****Main Campus****Yes, college credit options**

Explore your passion for cooking while developing skills in all facets of the food service and hospitality industries. Training is provided in culinary arts (a la carte & quantity cooking), commercial baking and dining room operations. Students gain hands-on experience working special functions, breakfasts, luncheons and dinners in the culinary banquet hall. Students also have the opportunity to participate in culinary competitions and work with many of the top chefs and restaurants in the Valley. EVIT's Culinary Arts program is accredited by the Accrediting Commission of the American Culinary Federation Education Foundation.

Certification	ServSafe Manager, ACF Certification
Prerequisites	At least 6 high school credits, including 1 Math credit, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores, Recommended: Foods I and/or Foods II or work experience in the field

MC59, MC60, MC61**Dental Assisting****2-4 Semesters****Main Campus**

First year students 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. **This course has state approved embedded credit for lab science for MC59 ONLY.** Second year students 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 an 80-hour externship. Flexible hours may be required depending upon clinical availability. Students must provide their own transportation to job shadowing or internship sites.

Certification	Dental Assisting X-Ray Certification <i>Certification available through the Dental Assisting National Board Inc. Students will complete the Radiation Health and Safety (RHS) Exam prior to clinical externship. For more information on the RHS Exam, visit www.danb.org.</i>
Prerequisites	At least 6 high school credits, including 1 Math credit and 1 English credit: both 'C' or better, Biology (may be taken concurrently), on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores
Prerequisites – Second Year (MC60 & MC61)	Seniors ONLY, Successful completion of MC59 or taken at least 1 credit of Biology or Anatomy & Physiology: 'C' or better, No criminal record, On track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

AM63, AM68, AM69, AM70**Diesel Technologies****2-4 Semesters****Main Campus**

The diesel and heavy equipment industry is one of the fastest growing fields in the transportation business today. Diesel mechanics work on a wide variety of diesel engines including those found in buses, trucks, RVs, bulldozers, cranes, farm tractors and trains. Students develop the skills needed for various positions in the industry through classroom and hands-on learning. Instruction is provided on cooling systems, starting and charging systems, engine lubrication, maintenance & repair & basic mechanical performance.

Certification	ASE Student Certifications (10)
Prerequisites	Juniors and Seniors only, At least 1 English credit and Pre-Algebra: 'C' or better, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores, Recommended: Prior knowledge/experience with basic automotive repair

IT11, IT30, IT35**Digital Device Diagnostic and Repair****2-4 Semesters****Main Campus****Yes, college credit options**

Learn the skills necessary to obtain CompTIA A+ Certification, an international industry credential for computer service technicians. Hands-on classroom training includes installation, configuration and upgrading of hardware and software. Students learn to maintain motherboards, processors and memory. They develop troubleshooting and basic networking skills. Students also learn how to repair devices such as iPads, iPhones, gaming consoles and 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.

Certification	CompTIA A+ Plus Certification
Prerequisites	At least 6 high school credits, including 1 Math and 1 English credit: both 'C' or better, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

DP10, DP20, DP25**Digital Photography****2 Semesters****Main Campus****Yes, college credit options**

This program prepares students interested in 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 Photoshop, Lightroom and Illustrator to manipulate the images in unique and creative formats. Students work both individually and in teams to create layouts, portfolios, etc.

Certification	State Certificate and Portfolio
Prerequisites	At least 6 high school credits, including 1 Algebra and 1 English credit: all 'C' or better; On track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

CC10, CC20, CC25**Early Childhood Education****2-4 Semesters****Main Campus****Yes, college credit options**

First year ECE I students focus on early childhood philosophy, childhood development, career opportunities and current issues in safety, health, nutrition and curriculum development. They gain hands-on experience in lab settings including our on-site lab school operated by Bright Ideas and off-site at a variety of Head Start programs. Second year ECE II students participate in a lab setting and focus on child guidance techniques, family dynamics, observation/assessment, advanced curriculum development and classroom management. This performance-based program allows for advancement that meets individual academic needs. They also participate in an internship of their choice.

Certification	Certificate of Completion in Foundations of Early Childhood Education from Mesa Community College, (Students opt in to follow pathway.), ParaProfessional Praxis Certification (Seniors Only), SafeTalk Suicide Certification, Food Handlers Certificate, CPR and First Aid Certificate
Prerequisites	At least 6 high school credits, including Pre-Algebra: 'C' or better and English: 'B' or better, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores, Negative Tuberculosis test (all students tested in August), No criminal record (Arizona State Law requires students 18 and older to obtain a Fingerprint Clearance card)

TR10, TR20, TR25**Electrical and Power Transmission Insulation****2-4 Semesters****Main Campus****Yes, college credit options**

If you enjoy working with your hands, figuring out how things work and trouble-shooting, a specialized construction career in Electrical and Power Transmission Installation could be perfect for you. Students in this program learn how to install indoor and outdoor residential, commercial and industrial electrical systems and associated power transmission lines. This includes instruction in electrical systems, safety procedures, wiring, insulation and grounding, schematic blueprint interpretation, equipment operation and maintenance, and applicable codes and standards. Industry-driven curriculum helps prepare students for employment, apprenticeship or post-secondary education.

Certification	Occupational Safety & Health Administration (OSHA) 10/30; Independent Electrical Contractors (IEC) – Level 1 Apprentice Electrician Pre-Apprenticeship; National Center for Construction Education and Research (NCCER) Core; NCCER Electrical Level 1; NCCER Electrical Level 2; NCCER Power line Worker Level 1.
Prerequisites	1 Math and 1 English credit: both 'C' or better; 2.0 GPA or equivalent standardized test scores. Physical demands: Must be able to lift 50 pounds or more.

MC37, MC55, MC56**Emergency Medical Technician****2-4 Semesters****Main Campus****Yes, college credit options**

First year students 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. **This course has state approved embedded credit for lab science for MC37 ONLY.** Second year students will begin the DHS EMT course. Students will 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. During the second semester, students will have an opportunity to complete 10 to 20 hours of clinical externship hours in an emergency room. Weekend and/or extended hours will be required for clinical. Students must provide their own transportation to the clinical site. **** Students will be randomly drug tested.**

Certification	EMT Certification Certification available through the National Registry of Emergency Medical Technicians (NREMT). Students under the age of 18 may complete the NREMT exam but will not be able to apply for EMT certification in the State of Arizona until they turn 18 years of age. For more information on the NREMT, visit nremt.org ** Students must be 18 years of age by November 1 following course completion and a U.S. citizen or legal resident and provide proof of status to take certification exam.
Prerequisites – First Year (MC37)	At least 6 high school credits, including 1 Math credit and 1 English credit: both 'C' or better, Biology (may be taken concurrently), on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores
Prerequisites – Second Year (MC55 & MC56)	Seniors ONLY Successful completion of MC37 OR taken at least 1 credit of Biology, Anatomy & Physiology or Sports Medicine: 'C' or better; 1 Algebra credit and 1 English credit: 'C' or better 9th Grade Reading Level (students will be tested) No criminal record On track to graduate or a plan for graduation 2.5 GPA or equivalent standardized test scores

FIT11, FIT13, FIT25**Fashion Design & Merchandising****2-4 Semesters****Main Campus****Yes, college credit options**

This dynamic program introduces students to the technical knowledge and skills needed to design, produce, purchase, promote and sell merchandise and accessories in the fashion industry. Learn about the elements and principles of design, clothing fabrics and textiles, the use of color and texture, retail business merchandising, fashion illustration, visual merchandising, sewing and pattern making. Transform these skills into wearable garments, participate in various EVIT events such as the annual Spring Fashion Show.

Qualified students also have the opportunity to participate in FCCLA to compete in various events during the FCCLA Spring Conference.

Certification	National Retail Federation (NRF) First Year <ul style="list-style-type: none"> • NRF RISE UP Certification in Retail Industry Fundamentals • NRF RISE UP Certification in Customer Service & Sales Second Year <ul style="list-style-type: none"> • NRF RISE UP Certification in Business of Retail • Personal Portfolio
Prerequisites	At least 6 high school credits, including 1 Math credit and 1 English credit On track to graduate or a plan for graduation 2.0 GPA or equivalent standardized test scores

FF10, FF20, FF25**Fire and Emergency Services****2-4 Semesters****Main Campus****Yes, college credit options**

Prepare for employment in fire and emergency services, learning how to protect, educate and serve the public. Gain experience through various hands-on training skills, including live fire training, search and rescue, high rise tower drills and operation of fire apparatus and equipment. The first year provides an overview of basic fire science fundamentals and technical rescue. The second-year students continue fire service training into more advanced areas including wildland firefighter, emergency medical technician, vehicle extrication, employability, driver operator of emergency vehicles, aircraft rescue firefighting, preparing for firefighter candidate physical fitness test which include strenuous physical activity, including running and completion of strenuous hands-on physical activities related to fire fighting. Also included in second year is hazardous materials response and live fire training. This course requires a physician's school physical. ****Students will be randomly drug tested. This program requires a physician's school physical.****

Certification	CPR, Wildland Fire Fighter Certification, National Emergency Medical Technician (NREMT), NIMS 100, 200, 700
Prerequisites	At least 6 high school credits, including 1 Algebra credit and 1 English credit: both 'C' or better, No criminal record, Biology and/or Chemistry (may be taken concurrently), on track to graduate or a plan for graduation, 2.5 GPA or equivalent standardized test scores

IT60, IT61, IT62, IT63**Future Engineers****2-4 Semesters****Main & Power Campus****Yes, college credit options**

This program will prepare students to pursue an education in engineering and related fields. Students will be challenged to develop solutions to engineering problems. The student will learn the skills to communicate, work in teams, solve mathematical, scientific and logistical problems. This will be accomplished through the use of lecture, laboratory work, guest speakers and industry field trips. Students enrolling in dual enrollment are required to have taken or be enrolled in Algebra II/Trig, College Algebra or Pre-Calculus. This course is a project-based course where students learn use of tools and engineering skills. Those students moving on to the second year class will work on a capstone project.

Certification	REC Pre-Engineers Certification, Solidworks CSWA
Prerequisites	At least 6 high school credits, including 1 Science credit: 'B' or better, 1 English credit: 'C' or better, 1 Algebra credit: 'C' or better, and concurrent enrollment in another Math course, on track to graduate or a plan for graduation, 2.5 GPA or equivalent standardized test scores

MM30, MM35, MM40**Graphic/Web Design****2-4 Semesters****Main Campus****Yes, college credit options**

This program will prepare students interested in pursuing a career in graphic/web design and other multimedia related fields. Students will be challenged to learn the principles of graphic design, line, shape, pattern, form and color theory. Typography along with digital pre-press and copyright laws will be taught to ensure student success. Students will use Adobe Illustrator, Photoshop and InDesign to manipulate images and create dynamic graphics in unique and creative formats. Students will have opportunities to work on client-based projects to ensure real-world experience. Students will work individually and in teams to create and build digital portfolios and resumes. Students may choose to learn the ins & outs of digital printing in EVIT's Digital Print Shop.

Certification	State Certificate and Portfolio
Prerequisites	At least 6 high school credits, including 1 Algebra and 1 English credit: all 'C' or better, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

AC10, AC20, AC25**Heating, Ventilation and Air Conditioning (HVAC)****2-4 Semesters****Main Campus****Yes, college credit options**

Students will learn the principles of operations in the travel and tourism industries, hotel and lodging facilities, food services, recreation, and hospitality planning and business operations. Emphasis is placed on critical thinking, practical problem solving and entrepreneurship opportunities within the field of hospitality. Core academic application of math, science and language arts are emphasized as appropriate in the hospitality industry.

Certification	American Hotel & Motel Lodging Association, Certified Front Desk Representative, Certified Guest Services Professionals (CGSP), Certified Restaurant Server, ServSafe Food Service Manager
Prerequisites	At least 6 high school credits, including 1 Math credit, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores, Foods I and/or Foods II, work experience in the field or teacher approval

FIT12, FIT14, FIT35**Interior Design & Merchandising I & II****2-4 Semesters****Main Campus****Yes, college credit options**

This dynamic program introduces students to the technical knowledge and skills needed to design, produce, purchase, promote and sell merchandise and accessories within the interior design industry. Learn about the elements and principles of design, interior fabrics and textiles, the use of color and texture, retail merchandising, visual merchandising, floor space planning, rendering and Chief Architect rendering.

Transform these skills into becoming an interior design apprentice, creating elaborate sets and window displays, presentation boards and participate in various EVIT events, FCCLA competitions, and design shows. Interior Design students complete the state standard course in one year. Qualified students that continue to the second year, will work on projects and internships.

Certification	National Retail Federation (NRF)
Prerequisites	At least 6 high school credits, including 1 Math credit and 1 English credit, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

MT10, MT20, MT30, MT35**Machining Technology****2-4 Semesters****Main Campus****Yes, college credit options**

The tooling and machining industry is the basis for all manufacturing and well-suited for people who like to work with their hands as well as their hands. Learn the set-up and operation of modern, manual and computerized tools used by machinists, die and mold makers and skilled professionals in the manufacturing industry. Develop leadership, management, quality control, business and customer relations skills while working towards national certifications. Students may have the opportunity to cross-train with other EVIT programs and participate in internships.

Certification	NIMS Certifications (2 or more)
Prerequisites	At least 6 high school credits, including 1 Math credit, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

MA05, MA06, MA10, MA20, MA25**Massage Therapy****2-4 Semesters****Main Campus****Yes, college credit options**

Study Western and Eastern massage modalities, including Swedish, Sports, Chair, Hot Stone and Reflexology.

Coursework also includes anatomy and physiology, pathology, hygiene, ethics and business practices. Students prepare for their state certification by completing 700 hours of hands-on training in the public clinic on campus and at community events. Students have the option of choosing the 2.5-hours-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 will be randomly drug tested.**

Certification	Arizona State Board of Massage, Massage Therapy Licensure. Students are eligible to apply for a Massage Therapy license upon successful completion of the program and the 700 clock hours. To apply for a license or more information, visit massagetherapy.az.gov . ** Students must be 18 years of age before applying for state licensure.
Prerequisites	2 English credits and Biology: 'C' or better, No criminal record, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

MC19, MC20, MC21, MC22 & MC23**Medical Assistant****2-4 Semesters****Main & Power Campus****Yes, college credit options**

First-year students 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. **This course has state approved embedded credit for lab science for MC19 ONLY.** 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. Students must provide their own transportation to the clinical sites. **** Students will be randomly drug tested.**

Certification	CCMA Certification Certification available through the National Health Career Association (NHA). Students will complete the Certified Medical Assistant (CCMA) exam at the end of this program. Also students have options of completing the Phlebotomy Technician (CPT) exam and EKG Technician (CET) exam outside the completion of the program. For information on the NHA certifications, visit nhanow.com .
Prerequisites – First Year (MC37)	At least 6 high school credits, including 1 Math credit and 1 English credit: both 'C' or better, Biology (may be taken concurrently), On track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores
Prerequisites – Second Year (MC20 & MC21)	Seniors ONLY, Successful completion of MC19 AND taken at least 1 credit of Biology: 'C' or better, No criminal record, On track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores
Prerequisites – One Year 4-hour Program (MC22 & MC23)	2 Math credits, 2 English and Biology credits: all 'C' or better, No criminal record, On track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

IT12, IT20, IT26**Networking Academy & Cyber Security****2-4 Semesters****Main Campus****Yes, college credit options**

Students in this course will be introduced to the computer-networking field and the field of cyber security. Instructors cover network/cyber terminology and protocols, communication fundamentals in data networks/security and Internet security. Students study the Open Systems Interconnection (OSI) model, using a top-down approach, cabling and cabling tools, basic Cisco router, configuration, Ethernet technologies, Internet Protocol (IP) addressing and an overview of Internet Protocol version 6 (IPv6), basic configuring and testing of the network, standards and network penetration. The course prepares students for the Cisco Certified Network Architect (CCNA) examination in the first year as well as a cyber-security certification, in second year. Students also learn the skills needed to pass the CompTIA Security+ Exams, which ensures that candidates will apply knowledge of security concepts, tools and procedures to react to security incidents; it ensures that security personnel are anticipating security risks and guarding against them.

Certification	CompTIA Security+ < Cisco CCT, ETA TTT
Prerequisites	At least 6 high school credits, including at least 1 Math and 1 English credit: both 'C' or better, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

MC29, MC30, MC31**Nursing Assistant****2-4 Semesters****Main & Power Campus****Yes, college credit options**

First-year students 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. **This course has state approved embedded credit for lab science for MC29 ONLY.** A Nursing Assistant works under the supervision of a nurse to provide daily basic care for patients in hospitals, physicians' 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. 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. **** Students will be randomly drug tested**

Certification	Arizona State Board of Nursing Certified Nursing Assistant License, Certification and licensure available through the Arizona State Board of Nursing. Students are required to have proof of legal presence in the U.S. in order to test for or renew certification or licensure. All testing will be conducted on-site at EVIT. For more information on the Arizona State Board of Nursing licensure requirements, visit www.azbn.gov .
Prerequisites – First Year (MC29)	At least 6 high school credits, including 1 Math credit and 1 English credit: both 'C' or better, Biology (may be taken concurrently), on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores
Prerequisites – Second Year (MC30 & MC31)	Seniors ONLY, Successful completion of MC29 OR taken at least 1 credit of Biology, Anatomy & Physiology: 'C' or better; 1 Algebra credit and 1 English credit: 'C' or better No criminal record, on track to graduate or a plan for graduation, 2.5 GPA or equivalent standardized test scores

MC39, MC57 MC58**Occupational Therapy Aide****2-4 Semesters****Main Campus****Yes, college credit options**

First-year students 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. **This course has state approved embedded credit for lab science for MC39 ONLY.** 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 an occupational therapist, occupational therapy assistant and occupational therapy aide. Students will experience hands-on learning of job skills needed to gain employment as an occupational therapy aide, rehabilitation provider. Qualified students will participate in clinical experiences to gain valuable on-the-job experiences. Students must provide transportation to clinical experiences. **** Students will be randomly drug tested.**

Prerequisites – First Year (MC39)	At least 6 high school credits, including 1 Math credit and 1 English credit: both 'C' or better, Biology (may be taken concurrently), on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores
Prerequisites – Second Year (MC57 & MC58)	Seniors ONLY, Successful completion of MC39 OR taken at least 1 credit of Biology, Anatomy & Physiology: 'C' or better; 1 Algebra credit and 1 English credit: 'C' or better No criminal record, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

MC43, MC63**Pharmacy Technician****2 Semesters****Main Campus****Yes, college credit options**

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 to job shadow in a pharmacy. Job shadowing requires reliable transportation and is the sole responsibility of the student. **** Students will be randomly drug tested.**

Certification	Pharmacy Technician, Certification available through the Pharmacy Technician Certification Board (PTCB). Students must be 18 years of age and within 60 days of high school graduation to apply to take the test. For more information on the PTCB, visit www.ptcb.org . Students who successfully pass the PTCB exam can apply for a Pharmacy Technician license with the State of Arizona at pharmacy.az.gov .
Prerequisites	Seniors ONLY, Taken at least 1 credit of Biology: 'C' or better; 1 Algebra credit and 1 English credit: 'C' or better, No criminal record, on track to graduate or a plan for graduation, 2.5 GPA or equivalent standardized test scores

MC38, MC45, MC46**Physical Therapy Technician****2-4 Semesters****Main Campus****Yes, college credit options**

First-year students 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. **This course has state approved embedded credit for lab science for MC38 ONLY.** 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 as the sole responsibility of the student. Flexible hours may be required depending upon the availability of clinical sites. **** Students will be randomly drug tested.**

Certification	Chiropractor Assistant
Prerequisites – First Year (MC37)	At least 6 high school credits, including 1 Math credit and 1 English credit: both 'C' or better, Biology (may be taken concurrently), on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores
Prerequisites – Second Year (MC55 & MC56)	Seniors ONLY, Successful completion of MC38 OR taken at least 1 credit of Biology, Anatomy & Physiology or Sports Medicine: 'C' or better; 1 Algebra credit and 1 English credit: 'C' or better, No criminal record, On track to graduate or a plan for graduation, 2.5 GPA or equivalent standardized test scores

PLB10, PLB20, PLB22**Plumbing****2-4 Semesters****Main Campus****Yes, college credit options**

The U.S. Bureau of Labor expects the nationwide demand for trained plumbing specialists to continue to grow due to an aging workforce and advances in technology. Plumbers protect the health of nations. The expert training you will receive will prepare you for a new career as a highly paid skilled technician. Students will study customer communication skills, water distribution systems, drainage waste and vent systems, plumbing fixtures, potable water quality, green plumbing, water heating concepts and plumbing fixture installation.

Certification	NCCER Plumbing Level 1, 2 and 3
Prerequisites	1 Math and 1 English credit: both 'C' or better, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

RB10, RB20, RB30**Radio/Audio Production****2-4 Semesters****Main Campus****Yes, college credit options**

EVIT's Radio/Audio Production program is home to KVVU, 88.7FM The Pulse, a non-commercial radio station that features the work of our students. The Radio/Audio program also features a state-of-the-art digital recording studio. Students will be trained in radio commercial, promo, and show production, music creation and production, journalism writing and reporting, media marketing, live sound production and more. Students have the option to focus on sports broadcasting, as EVIT Radio airs high school football, basketball and baseball/softball games during the school year throughout the East Valley. Students can train to be play-by-play announcers, analysts, & on-site live sound engineers. Students gain hands-on experience using Pro Tools recording and editing software, NextGen radio software and more.

Certification	Society of Broadcast of Engineers – Radio Operator Certification
Prerequisites	At least 6 high school credits, including 1 English credit: 'C' or better, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

IT13, IT40, IT45**Software Development, Coding & Mobile App****2-4 Semesters****Main Campus****Yes, college credit options**

This program will prepare students interested in pursuing a career in computer programming & mobile application design. Students are challenged to develop computer programs in multiple formats for use in the robotics industry, computer information systems, mobile application design and business organizations. They will also learn the skills necessary to communicate clearly, collaborate with peers, solve logistical problems and present findings. This program will introduce students to embedded technology concepts through a combination of classroom lecture and project-based learning. Students will also learn to design computer and mobile application programs using multiple platforms based on computer science principles. Students can complete the program with a variety of industry certificates.

Certification	Current industry recognized certificate(s)
Prerequisites	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, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

MC14, MC44, MC64**Veterinary Assistant****4 Semesters****Power Campus****Yes, college credit options**

Prepare for a career in the veterinary field while learning the skills that will allow you to work with all creatures, large and small. Integrate your love for animals with medical knowledge such as assisting with radiographs, assisting with venipuncture, assisting with administering medications and vaccines, performing animal restraint and assisting with surgery, performing various laboratory procedures and assisting with general exams. During the first year students focus on anatomy and physiology of animal species, hands-on skills and practical applications. During second year students improve upon their skills through job shadowing and externships at local shelters, small and large animal practices and wildlife facilities. Students will be exposed to a variety of well and sick animals. Students must provide their own transportation to job shadowing and externship sites. Flexible hours may be required depending upon clinical availability. **** Student will be randomly drug tested**

Certification	NAVTA Certified Veterinary Assistant
Prerequisites	At least 6 high school credits, including 1 Math credit and 1 English credit: both 'C' or better, Biology credit 'C' or better, on track to graduate or a plan for graduation, 2.5 GPA or equivalent standardized test scores

TV10, TV20, TV30**Video Production****2-4 Semesters****Main Campus****Yes, college credit options**

Show off your creativity and explore the exciting process of video and film production in one of the largest green screen and production studios in Arizona. Learn all aspects of visual media productions, including film-making, event production, corporate event production, commercials, music videos and documentaries while using industry standard equipment. Enter your short films in Film Festivals. Work with clients to produce real-world projects in a fully-equipped studios and editing bays while developing skills in all three phases of video and film making - preproduction, production and postproduction.

Certification	State Certificate and Portfolio
Prerequisites	At least 6 high school credits, including 1 English credit: 'C' or better and 1 Math credit 'C' or better, on track to graduate or a plan for graduation, 2.0 GPA or equivalent standardized test scores

WD10, WD20, WD25**Welding****2-4 Semesters****Main, Power, & Apache Junction Campuses****Yes, college credit options**

Get fired up about a career in welding while working with a variety of materials such as mild steel, aluminum and stainless steel. Learn metal fabrication and entry level welding techniques to build or repair structures or products. Work on school and customer-related projects using OXY/FUEL cutting, PLASMA cutting, SMAW, GMAW and GTAW welding. This program has an outstanding job placement rate and offers paid internships for qualified students.

Certification	AWS Certifications – D1.1, SMAW, GMAW, GMAN, GTAW, FCAW, Students have the opportunity to become members of the American Welding Society and test for industry certification.
Prerequisites	At least 6 high school credits, including 1 Math credit: 'C' or better; on track to graduate or a plan for graduation; 2.0 GPA or equivalent standardized test scores

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.

Mesa Unified School District No. 4

NOTICE OF NONDISCRIMINATION

Mesa Public Schools does not discriminate on the basis of race, color, ethnicity, national origin, religion, sex or gender, sexual orientation, disability or age in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The following persons have been designated to handle inquiries regarding the nondiscrimination policies: The Compliance Officer for Title IX is the Associate Superintendent, 63 East Main Street #101, Mesa, Arizona 85201-7422, (480) 472-0205, and the Compliance Officer for Section 504 is the Executive Director of Special Education, 1025 N. Country Club Drive, Mesa, Arizona 85201-3307, (480) 472-0710.

