2015-2016

WUSD HIGH SCHOOL COURSE OFFERING & DESCRIPTION GUIDE

Every child has hope,
Every student is a graduate,
Every graduate has a dream.

2015-16

COURSE OFFERING AND DESCRIPTION GUIDE

FOR

WICKENBURG HIGH SCHOOL
WICKENBURG DIGITAL LEARNING PROGRAM

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CODING GUIDELINES FOR THIS HIGH SCHOOL COURSE OFFERING AND DESCRIPTION GUIDE:

Courses coded with a * meet the WUSD Graduation Requirement for Fine Arts or Career and Technical Education
Courses coded with a + meet the Arizona university system's fine arts subject area requirement for admission.
Courses coded with a ^ meet the 4th Math Credit requirement beginning with the Class of 2013.

Courses coded with a  indicate that they are available through Wickenburg Digital Learning Program (WDLP).

STUDENTS AND PARENTS – PLEASE NOTE:

Courses listed herein are proposed for next school year. The final decision to offer a course will be dependent upon the following factors:

1. Enrollment standards are met (a minimum number of students enrolled)
2. Availability of a certified teacher
3. Classroom space
4. Ability of the District to financially support the program

GENERAL INFORMATION

Non-Discrimination

The Wickenburg Unified School District does not practice discrimination on the basis of race, color, national origin, sex, disability, or age. This policy is in compliance with Title VI of the Civil Rights Act of 1964 (pertaining to race, color, or national origin), Title IX of the Education Amendments of 1972 (pertaining to sex-equity), Section 504 of the Rehabilitation Act of 1973 (pertaining to disability), and the Age Discrimination Act of 1975 (pertaining to age) and covers admission and access to, and treatment and employment in, the District's programs and activities including vocational education. Students, parents or guardians, employees, or members of the community who have any concerns about these regulations or who wish to file individual grievances should contact the Director of Special Education:

Mrs. Anne Marie Davee
251 S. Tegner Street, Room L4
Wickenburg, AZ 85390
928-684-6713

A copy of the grievance may be obtained from the appropriate Director. The Wickenburg Unified School District recognizes its obligation to provide overall program accessibility throughout the District for disabled persons.

Compulsory Attendance

Arizona state law states that students must attend school until they are 16 years of age. (ARS 15-803) Students under the age of 16 with documented truancies are subject to a class 3 misdemeanor punishable by jail time or a fine as violators of the state truancy law. (ARS 15-802)

Student Fee Structure

The Wickenburg Unified School District does not require students to pay for a required program of instruction. The opportunity to attend school, complete required course work, or earn required course credit during the regular school day is not contingent upon payment of any optional fee/material charge.

Eligibility for Extracurricular Activities – No Pass/No Play

Eligibility will be at least that as stipulated by the State Board of Education Rule R7-2-808 and the Arizona Interscholastic Association.

1. Extracurricular Activities

Extracurricular activities are those activities for which no credit is earned in meeting graduation or promotional requirements and are organized, planned, or sponsored by the District consistent with District policy.

Extracurricular activities include two areas:

A. Interscholastic Activities

This category includes all interscholastic activities which are of a competitive nature, and involve more than one school where a championship, winner, or rating is determined.

Example: Athletic competitions and some activities in speech, theater, music, and Spiritline

B. Activities For Which No Credit Is Earned

This category includes activities of a continuous and ongoing nature for which no credit is earned toward graduation or promotional requirements and which are organized, planned, or sponsored by the District consistent with District policy.

Example: Elementary school athletics

2. Eligibility Requirements

To be eligible to participate in extracurricular activities a student must:

A. Earn a passing grade in every course or subject in which he/she is enrolled.

B. In high school, maintain satisfactory progress toward graduation requirements by enrollment and achieve passing grades in a minimum of five credit bearing courses per semester; seniors must be enrolled and making satisfactory progress towards graduation. In elementary school, maintain satisfactory progress toward promotional requirements by enrollment in a minimum of seven subjects.

C. It is expected that freshmen, sophomores and juniors be registered in six accredited classes per semester. Seniors are expected to be enrolled in five classes first semester and those remaining classes that are needed to graduate second semester. Individual circumstances may be reviewed by school administration.

3. **Ineligibility**

   Checks of academic progress will be made under the direction of the principal or his/her designee. When it is determined that a student has failed to meet the requirements specified for eligibility, the student shall be declared ineligible to participate in extracurricular activities and shall remain ineligible for at least one week until the requirements of eligibility are met. Students will be graded in accordance with District grading practices set forth in policy.

4. **Notice**

   When it is determined that a student's eligibility is in jeopardy, the student and his/her parents shall be given oral or written notice of pending ineligibility. When ineligibility is determined, the student and his/her parents or guardian shall be provided written notice in the form of a letter signed by the principal. A copy of the notice will be forwarded to the teacher or teachers of those classes wherein the student is failing.

5. **Support Services**

   Every school offers a wide range of support services and remedial options for students who fail to make appropriate academic progress. These include adult or peer tutoring, specially designed remedial homework, make-up opportunities, and special assistance before or after the regular school day. When students are notified of pending or established ineligibility under this rule, the teacher is expected to provide remedial opportunities for students.

EDUCATIONAL PLANNING

Education and Career Action Plan (ECAP)

Arizona State Board of Education Rule #R7-2-302.05

This course description guide has been developed to assist students and parents in making wise decisions in choosing courses. High school counselors are available to assist students and parents in planning and/or evaluating a student's program whenever necessary. It is important that each student work with his/her counselor and parents to develop an ECAP, which will include all course requirements for graduation, career goals and exploration, post-secondary education goals, and extra-curricular activities. Recognizing that individual needs, interests, abilities, and objectives differ, it is important that each student develop a high school program that is meaningful and personally rewarding. Planning assures the student of meeting all of the requirements for graduation as well as completing courses needed to fulfill specific career objectives for post-secondary opportunities.

Career Development Plan

The Wickenburg Unified School District has as a primary goal that all students are provided opportunities for academic excellence and preparation for lifelong employment. The integration of academic achievement, career and technical education, and workplace readiness are all vital to ensuring that students are ready to make the transition from high school to post-secondary education Counselors will work with students to develop an Education and Career Action Plan (ECAP) based on the student's interests and aptitudes. This ECAP may be revised throughout high school to ensure that the student has the opportunity to explore careers of his/her choice. The Guidance staff is qualified to assist students. Students are encouraged to build upon their Electronic Portfolio in through the Arizona Career Information System (*azcis.introcareers.org*). In the AzCIS system, they may take interest inventories and personality assessments, investigate and compare careers and colleges, write résumés and explore scholarships. All this can be stored in their Electronic Portfolio. Students may access AzCIS and their Electronic Portfolio for the rest of their life. Furthermore, students may receive "on-the-job" training and course credit through a variety of internships and mentoring programs.

Course Credits

1. A unit of credit is granted for work completed in a subject meeting one period daily for a full year. (Underclassmen are expected to enroll in six classes per year.)

2. If credit deficiencies exist, the following options are available:
   a. Summer School
   b. Correspondence Courses
   c. Credit Recovery by objective during school or after school (student must have earned 50% or higher)
   d. Wickenburg Digital Learning Program

Graduation Requirements

WUSD Credit Requirements for Graduation

Classes of 2016 and 2017	Grand Canyon Diploma is the Standard Diploma for the Class of 2018	Grand Canyon Diploma is the Standard Diploma for the Classes of 2019 and beyond
4 Credits of English 1 Credit of Algebra I (or equivalent) □ 1 Credit of Geometry (or equivalent) 1 Credit of Algebra II (or equivalent)# 1 additional credit of mathematics 3 Credits of Science 1 Credit of World History/Geography 1 Credit of American History ½ Credit of Economics 1 Credit of Government ½ Credit of Physical Education ◊ 1 Credit of Fine Arts **OR** CTE 6 Credits of Electives 22 Total Credits **Class of 2017 and beyond must pass the Civics test**	2 Credits of English 1 Credit of Algebra I (or equivalent) □ 1 Credit of Geometry (or equivalent) 1 Credit of Biology 1 Credit of Chemistry ½ Credit of Economics 1 Credit of World History/Geography 1 Credit of American History ½ Credit of Physical Education (or equivalent) ◊ 1 Credit of Fine Arts or CTE **Successful completion of all required Board Examinations is a requirement of the Grand Canyon Diploma** **Successful completion of the Civics test is a graduation requirement. This may be accomplished through a Government course or Civics Test Prep Advisory.**	2 Credits of English 1 Credit of Algebra I (or equivalent) □ 1 Credit of Geometry (or equivalent) 1 Credit of Biology 1 Credit of Chemistry ½ Credit of Economics 1 Credit of World History/Geography 1 Credit of American History ½ Credit of Government 1 Credit of Fine Arts or CTE **Successful completion of all required Board Examinations is a Requirement of the Grand Canyon Diploma** **Successful completion of the Civics test is a graduation requirement**

□ Wickenburg Unified School District's **Algebra I** course is a prerequisite to the other required math courses above which may be completed prior to high school or once enrolled in high school. If completed in elementary school in accordance with WUSD guidelines , Algebra I credit may be transferred to the high school transcript at student/parent request but will not be calculated for class rank purposes.

\# Students may request a Personal Curriculum in Mathematics following State Board Rule R7-2-302.03

◊ Students may replace the Physical Education requirement with Beginning or Advanced Band

PLEASE NOTE:

- Credits earned through correspondence courses shall be taken from a regionally accredited institution in order to meet graduation requirements.
- Only pre-approved credit may be accepted from community colleges or universities for high school credit. This approval must be done through the Principal before enrolling in these courses. Only courses 100 and above may be transferred. **Students may earn only one-half credit for every three semester-hour course (cf. ARS 15-701.01(F))**. Students must provide official grades from the community college to be granted credit prior to graduation.
- Credit through online courses is available through the Wickenburg Virtual Academy. Non-concurrent online transfer credit is accepted up to a maximum of two (2) courses from online sources. Of the two courses, one (1) may be a core credit (English, Math, Science or Social Studies) providing the course has been approved by the Principal and the Executive Director of Educational Services, and must be awarded by an institution accredited by NCA or another regional accrediting association.

Students must meet all requirements before they will be permitted to participate in the commencement ceremonies. Please note that the primary path to early graduation is through the Grand Canyon Diploma.

All high school students must comply with the following minimum requirements:

- Per board policy, freshmen, sophomores and juniors must take six WUSD classes per semester that provide credit toward graduation. Seniors are required to take five WUSD classes per semester.
- Students must meet the graduation requirements of the Wickenburg Unified School District and the State of Arizona.

Students new to the District in grades 11 and 12 may meet the graduation requirements of the school from which they transfer. However, all 11th and 12th grade transfer students must also satisfy the State of Arizona's graduation requirements. They may then participate in Wickenburg District commencement exercises and be awarded a diploma as long as Arizona requirements are met.

Students placed in special education classes, grades 9-12, are eligible to receive a high school diploma. The individual education plan that is developed for each student will document the student's eligibility to receive a diploma. Reference to special education may be placed on the student's transcript and permanent file.

Grand Canyon Diploma (Move on When Ready/Excellence for All)

In 2010, Wickenburg High School was selected as a pilot program site for the "Move On When Ready" initiative. This initiative provides high school students with the ability to exit high school following their sophomore year and enter into either a community college program, or to enter apprenticeship or trade programs offered through the Western Maricopa Educational Consortium (West-MEC) or any of the other Joint Technical Education Districts (JTED) throughout the state. Beginning with the graduating class of 2018, the Grand Canyon Diploma is the standard diploma for Wickenburg High School.

Requirements to earn the Grand Canyon Diploma are as follows:

2 credits of English
2 credits of Mathematics
2 credits of Science, including lab-based science, engineering or information technologies
1 credit of World History
1 credit of American History
1 credit of fine arts **or** Career and Technical Education
½ credit of Economics
2½ credits of Electives

In addition to the credit requirements, students must earn a passing score on end-of-course assessments in the core subject areas (English, Mathematics, Science, Social Studies). **Students are expected to work continuously toward the Grand Canyon Diploma.** Students who do not earn a qualifying score on a particular core subject EOC will continue to take core area classes in the subject through their senior year, or until the required qualifying EOC scores have been earned. Students may not transfer from a core area class, even with a qualifying score, until the end of a semester.

Note: ECAP (4-year plan) will be revised at the end of the sophomore year once a personalized pathway for graduation is determined.

Students enrolling in the 2015-2016 school year as freshmen will all be entered with the expectation of earning a Grand Canyon Diploma. Student schedules will be standardized for incoming 9th grade students, with the exception of electives that will be chosen by student interests. The following will be the course offerings:

NINTH GRADE	***TENTH GRADE***
Algebra 1*	Geometry*
English 9	English 10
World History	American History
Biology	Chemistry
2 Electives (Fine Arts/CTE/	Economics/Government
Foreign Language recommended)	Elective (Fine Art/CTE/Foreign Language if not as 9th grader)
	Elective

* Students that have completed Algebra 1 in the 8th grade year, may enroll in Geometry and Algebra 2 for their math credits. Depending upon the outcome of placement testing, some students may be enrolled in an Algebra 1 Extended course which allows the student to learn Algebra over a two year period.

The Advanced Placement International Diploma (APID):

The APID is a globally recognized certificate for students who have an international outlook. The APID challenges a student to display exceptional achievement on AP Exams across several disciplines. To qualify for the APID, students must successfully complete all requirements for the Grand Canyon Diploma AND earn grades of three or higher on at least five AP Exams in the following content areas:

- Two AP Exams from two different languages selected from English and another world language
- One AP Exam from the science or mathematics content areas
- One AP Exam designated as offering a global perspective
- One (or two) additional AP Exams from among any content areas except English and world languages. These include the content areas already described as well as history and social sciences and arts.
- AP Coursework may be taken in the Move on When Ready Lab. Please see your counselor for details.

Eligibility for the APID is dependent upon successful completion of Board Examinations in the core content area and a commitment to maintain enrollment in the AP coursework for a minimum of one semester.

Please see your counselor or an administrator for more details about this international certificate.

Subject Area Diploma Endorsements

Beginning with the class of 2018, students who demonstrate exceptional aptitude within specific content areas, will be awarded an endorsed diploma. Criteria for content endorsements will be determined by individual departments.

Admission to Community Colleges

There are a number of quality community colleges located in the greater Phoenix area. Courses range from technical skills and trades to academic studies. The ACT or SAT examinations are not required for admission. Students who complete a program of study may receive an associate degree, certificates ("certified status"), or "transfer" status to a four-year college/university depending upon their program of study.

In cooperation with post-secondary institutions, District high school students may enroll in both high school and college classes under terms prescribed by the post-secondary institution and agreed upon by the District. Concurrent enrollment is when students are taking a college class off-site, or online, while still enrolled in high school campus. Community college courses do not always fulfill university requirements for admission. Any student interested in this opportunity should see his/her guidance counselor, and seek preapproval from his/her principal.

Admission to State Universities

STUDENTS MUST MEET BOTH THE APTITUDE AND ACADEMIC COMPETENCY REQUIREMENTS TO BE ADMISSIBLE TO THE ARIZONA TRI-UNIVERSITY SYSTEM. (*Arizona State University, Northern Arizona University, University of Arizona)*

Arizona universities will have two undergraduate admission categories: **Assured** and **Delegated**. Assured admission means students will be admitted to their university of choice. Delegated admission means that students may be admitted to their university of choice, with final admission decisions being made by each university.

Requirements for Assured Admission: Top 25% high school class rank, *and* complete course work with no deficiencies

Requirements for Delegated Admission: Top 50% high school class rank, *or* 2.5 GPA on required course work; *and* may not have more than 2 deficiencies. Deficiencies cannot be in both math and science or the same subject area. Each university may use additional criteria to determine admission.

ADMISSION STANDARDS ARE SUBJECT TO CHANGE AT THE DISCRETION OF THE ARIZONA BOARD OF REGENTS OR LEGISLATURE. FOR MORE INFORMATION LOG ON TO:

http://www.azregents.edu

Aptitude Requirements

Arizona residents will be offered admission if they are a high school graduate and meet the following requirements:

ARIZONA STATE UNIVERSITY ***www.asu.edu***

Aptitude Requirement

3.0 GPA or higher in competency courses (on a 4.0 scale) or Top 25% class rank or ACT 22 or SAT Reasoning 1040 ASU does not require the writing portion of these tests No deficiencies in the required course requirements

NORTHERN ARIZONA UNIVERSITY ***www.nau.edu***

Aptitude Requirement

3.0 GPA or higher in competency courses (on a 4.0 scale), or Top 25% class rank No deficiencies in the required course requirements

UNIVERSITY OF ARIZONA ***www.arizona.edu***

Aptitude Requirement

Top 25% No deficiencies in the required course requirements

Class of 2016
Arizona University Checklist

Below is a checklist for students and families to use in planning for entrance into an Arizona university. Although other courses may be taken in consultation with your counselor, this checklist provides a general guide to be followed in selecting courses as you move through your four years at Wickenburg High School.

Freshman Year:

- English 9, or Honors _____
- Algebra I _____
- Biology _____
- World History _____
- Economics/PE _____
- Foreign Language/Fine Arts* _____

Sophomore Year:

- English 10, or Honors _____
- Geometry _____
- Chemistry _____
- U.S. History _____
- Foreign Language/Fine Arts* _____
- Elective _____

Junior Year:

- English 11, or AP _____
- Algebra II _____
- Physics, Earth Science, Anatomy** _____
- Foreign Language/Fine Arts* _____
- Elective _____
- Elective _____

Senior Year:

- English 12, or AP _____
- Pre-Calculus*** _____
- Physics, Earth Science, Anatomy** _____
- Foreign Language/Fine Arts* _____
- Elective _____
- Elective

*The two year foreign language sequence can start during the freshman or sophomore year, but no later than the beginning of the junior year. Three years of foreign language is highly recommended, but not required. Between the freshman and senior year at least one full year of a fine arts (i.e. art, band, choir, or drama) must be completed.

**WHS students who are university bound must take three years of lab science (i.e. Biology, Chemistry, Physics, Earth Science, Anatomy…etc.), but a fourth year is highly recommended.

***University bound students must take four years of math. Students should take Algebra I, Geometry, Algebra II and one advanced math class, which requires Algebra II as a prerequisite.

Classes of 2017 and 2018^
Arizona University Checklist

Below is a checklist for students and families to use in planning for entrance into an Arizona university. Although other courses may be taken in consultation with your counselor, this checklist provides a general guide to be followed in selecting courses as you move through your four years at Wickenburg High School.

Freshman Year:

- English 9, or Honors _____
- Algebra I _____
- Biology _____
- World History _____
- Economics/PE _____
- Foreign Language/Fine Arts* _____

Sophomore Year:

- English 10, or Honors _____
- Geometry _____
- Chemistry _____
- U.S. History _____
- Foreign Language/Fine Arts* _____
- Elective _____

Junior Year:

- English 11, or AP _____
- Algebra II _____
- Physics, Earth Science, Anatomy** _____
- Foreign Language/Fine Arts* _____
- Elective _____
- Elective

Senior Year:

- English 12, or AP _____
- Pre-Calculus**** _____
- Physics, Earth Science, Anatomy** _____
- Foreign Language/Fine Arts* _____
- Elective _____
- Elective

^The class of 2017 must pass a civics exam as part of their advisory period during the junior year to be eligible for the Grand Canyon Diploma. Students in the class of 2018 (and beyond) will be required to pass the civics exam as part of their US History course.

*The two year foreign language sequence can start during the freshman or sophomore year, but no later than the beginning of the junior year. Three years of foreign language is highly recommended, but not required. Between the freshman and senior year at least one full year of a fine arts (i.e. art, band, choir, or drama) must be completed.

**WHS students who are university bound must take three years of lab science (i.e. Biology, Chemistry, Physics, Earth Science, Anatomy…etc.), but a fourth year is highly recommended.

***University bound students must take four years of math. Students should take Algebra I, Geometry, Algebra II and one advanced math class, which requires Algebra II as a prerequisite.

Class of 2019 (and beyond)^
Arizona University Checklist

Below is a checklist for students and families to use in planning for entrance into an Arizona university. Although other courses may be taken in consultation with your counselor, this checklist provides a general guide to be followed in selecting courses as you move through your four years at Wickenburg High School.

Freshman Year:

- English 9, or Honors _____
- Algebra I _____
- Biology _____
- World History _____
- Foreign Language/Fine Arts* _____
- Elective _____

Sophomore Year:

- English 10, or Honors _____
- Geometry _____
- Chemistry _____
- U.S. History _____
- Economics/Government _____
- Foreign Language/Fine Arts* _____

Junior Year:

- English 11, or AP _____
- Algebra II _____
- Physics, Earth Science, Anatomy** _____
- Foreign Language/Fine Arts* _____
- Elective _____
- Elective

Senior Year:

- English 12, or AP _____
- Pre-Calculus*** _____
- Physics, Earth Science, Anatomy** _____
- Foreign Language/Fine Arts* _____
- Elective _____
- Elective

^Students in the class of 2018 (and beyond) will be required to pass the civics exam as part of their US History course.

*The two year foreign language sequence can start during the freshman or sophomore year, but no later than the beginning of the junior year. Three years of foreign language is highly recommended, but not required. Between the freshman and senior year at least one full year of a fine arts (i.e. art, band, choir, or drama) must be completed.

**WHS students who are university bound must take three years of lab science (i.e. Biology, Chemistry, Physics, Earth Science, Anatomy…etc.), but a fourth year is highly recommended.

***University bound students must take four years of math. Students should take Algebra I, Geometry, Algebra II and one advanced math class, which requires Algebra II as a prerequisite.

STATE UNIVERSITY ADMISSION

ACADEMIC COMPETENCY REQUIREMENTS

Competency may be demonstrated by 16 core courses from high school **OR** by completing the appropriate college courses within each subject area. In some cases, ACT or SAT scores may be used to satisfy competencies.

A minimum GPA of 2.0 is required for each subject area.

All FIRST YEAR and TRANSFER students with a combination MATH/LABORATORY SCIENCE deficiency are not admissible.

All TRANSFER students in completion of an Associate Degree, AGEC pathway, or TGEC are exempt from meeting competency requirements.

SUBJECT AREAS	**WUSD HIGH SCHOOL CORE COURSES**	**ACT SCORES**	**SAT TEST SCORES**	**COLLEGE COURSE WORK**
ENGLISH 4 credits (Composition or Literature)	English 9 English 10 English 11 English 12	English sub score of 21 or above	Critical reading score of 530 or above	*One transferable 3-credit English course from a regionally accredited institution of higher education.
MATH 4 credits	Algebra I or equivalent Geometry Algebra II One additional Advanced Math course which requires Algebra II as a prerequisite	Math sub score of 24 or above	Math score of 540 or above	*One transferable 3-credit college level course (for which at least Intermediate Algebra, or its equivalent, is a prerequisite) from a regionally accredited institution of higher education.
LAB SCIENCE 3 credits	One credit in a least three of the four areas (Earth Science, Biology, Chemistry, Physics).. A fourth year of laboratory science is strongly recommended.	Natural Science sub score of 20 or above ***TEST SCORES MAY ONLY BE USED TO SATISFY ONE LAB SCIENCE UNIT***	SAT II subject test scores: Chemistry - 600 or above; Biology - 590 or above; Physics - 620 or above	**Three transferable 4-credit lab science courses from a regionally accredited institution of higher education (including one semester each from three of the following: Biology, Chemistry, Physics, Earth Science – an Integrated Lab Science or advanced level lab science may be substituted for one required course).

STATE UNIVERSITY ADMISSION
ACADEMIC COMPETENCY REQUIREMENTS (CONTINUED)

SUBJECT AREAS	WUSD HIGH SCHOOL CORE COURSES	ACT SCORES	SAT TEST SCORES	COLLEGE COURSE WORK
SOCIAL SCIENCE 2 credits	One credit of AZ/US History and one additional credit of any of the following: World History, Government, Psychology, Economics.	Equivalent not available	SAT II subject test scores of American History/Social studies – 560 or above; World History – 580 or above	*One transferable 3-credit American History course and one more transferable 3-credit Social Science course from a regionally accredited institution of higher education such as: European History, World History, Economics, Sociology, Geography, Government, Psychology, or Anthropology.
FOREIGN LANGUAGE 2 credits	Two credits of same foreign language. A third year of the same foreign language taken during the senior year is highly recommended.	Attains a minimum score as stated in the university general catalog on a national standardized foreign language test (such as a College Board Advanced Placement Examination, College Level Examination Program – CLEP Subject Examination or SAT II Subject Test). Special assessment procedures will be available for those desiring to demonstrate minimum proficiency in a foreign language for which such standardized tests do not exist.		*Two transferable 3-credit courses in the same foreign language from a regionally accredited institution of higher education or certified as having been placed into a third semester or above in a foreign language at a regionally accredited institution of high education.
FINE ARTS 1 credit	One credit of fine arts	N/A	N/A	*One transferable 3 credit fine arts class from a regionally accredited institution of higher education.

* *Will remove any or all deficiencies.*

** *One transferable 4-credit lab science will remove one high school deficiency and three transferable 4-credit lab sciences will remove all high school deficiencies.*

Application procedures vary by university and can be found at each of the following web sites:

- *Arizona State University: www.asu.edu*
- *Northern Arizona University: www.nau.edu*
- *University of Arizona: www.arizona.edu,*
- *Arizona Department of Education: www.ade.state.az.us.*

NCAA REQUIREMENTS

Before an athlete can play a sport or receive an athletic scholarship at a Division I or II college, he/she must meet the specific academic criteria as set forth by the NCAA. Students must have at least a 2.0 GPA (based on a 4.0 scale) in 16 core courses. A student must also achieve a minimum combined sum score on the ACT/SAT, depending upon the student's GPA. To be eligible at a Division I school, the student with a minimum GPA will need a higher test score and the student with a minimum test score will need a higher GPA, based upon the Test Score Sliding Scale.

Students must take specific courses in order to meet NCAA eligibility requirements. These include a certain number of college preparatory English, science, social studies, and math courses with at least one year of algebra and geometry. Because the NCAA has such specific requirements, and because these requirements can be confusing, it is very important that athletes meet with their guidance counselors in the ninth grade to obtain information on all of the NCAA requirements. At this time, athletes also need to make certain that their ECAP includes courses that will satisfy NCAA requirements.

Athletes should take the ACT or the SAT no later than the spring of their junior year in order to have time to retake them if necessary. Athletes also need to complete the registration process with the NCAA Eligibility Center at the beginning of their junior year. For more information and to apply online, go to *www.eligibilitycenter.org*.

EXPLANATION OF GRADING SYSTEM

The purpose of grading is to inform students, parents and others of the student progress toward the achievement of educational objectives. Grades are to reflect learning, i.e., student achievement toward mastery of standards aligned course outcomes. Grades and credit are not to be awarded for any other purpose. In a full year course, ½ credit is awarded at the end of the first semester and ½ credit is awarded at the end of the second semester.

The grading system in the Wickenburg Unified School District is as follows:

90 – 100%	A	Excelling
80 – 89%	B	Highly Performing
70 – 79%	C	Performing
60 – 69%	D	Under Performing
	F	Failing
	I	Incomplete
	#	Audit
	W	Withdrawal
	P	Pass
	IP	In Progress

Credit Recovery By Objective: Students have one opportunity per core content course to participate in credit recovery by objective for a failed course if they have earned at least a 50% overall grade in the course. The purpose of credit recovery by objective is to allow students the opportunity to master concepts that they failed and to bring the grade to a passing grade. The highest grade a student may receive is a D. The failing grade will be replaced on the transcript.

Credit Recovery: Students have an opportunity to retake courses for which they received a failing grade. If a student received a grade of 49% or lower in a course, the entire course must be retaken. The failing grade will be replaced on the transcript. Note: Course titles must be identical.

Grade Improvement: If a student is unhappy with a grade earned in a course, he/she has the opportunity to improve that grade only by repeating the entire course. The grade will be replaced on the transcript.

Course Challenge: Students may challenge a course if they feel they have the requisite knowledge. Course challenges are available only for courses with an End of Course Assessment. Course challenges must be requested within the first 10 days of a semester. The End of Course Assessment will be given to the student and a grade assigned commensurate with the grade bands established by the National Center on Education and the Economy. A qualifying score on the End of Course Assessment must be reached for credit to be assigned.

Incompletes: Teachers may issue an Incomplete, with administrative approval, in extenuating circumstances such as illness, accident, or death in the family. All Incompletes must be made up within one month after the end of the semester. An Incomplete will revert to a failing grade if the student fails to complete the required work.

COURSE CHANGE POLICY/AUDIT STATUS

It is extremely important that the course selections be made only after careful and complete consideration. All students are expected to remain with the schedule received prior to the start of the new school year. ***Changes in a student's schedule following registration cannot be made except in those cases where it is considered by the counselor to be advisable***. In addition to obtaining counselor approval, parental approval is also necessary. Schedule changes from one class to another class may not be made after the tenth class of any term unless a change is a result of an error in placement. ***Schedule changes made after the tenth day of any term require administrative approval and may result in no credit being awarded in the new course.***

A student may request to change a class from credit to audit status anytime between the start of the semester until two weeks after the first progress report. A change to audit status must have the approval of the parent, student, administrator and counselor. Any student who changes a class from credit status to audit status during the term will be ineligible under the No-Pass/No-Play regulations for the remainder of that athletic season.

Any student may request to drop a class two weeks after the first progress report without that class appearing on the student's transcript. Any student who is receiving a failing grade and drops a class after that time period will receive a failing grade for that course. The failing grade will remain on the transcript and the student will be ineligible under the No-Pass/No-Play regulations for the remainder of the semester. If a student is passing and drops a class after that time period, the grade will appear as a W on the transcript. Dropped classes may be retaken and the higher grade will be used for Grade Point Average purposes. Parent approval must be in writing with the understanding that replacing a dropped class with a student assistant position will negatively impact a student's grade point average and class rank.

Class Rank/Weighted Grading

The Class Rank Index (CRI) model for calculation of GPA and class rank portrays a complete, holistic picture of student achievement. Students receive incentives for taking rigorous courses and are rewarded for taking maximum course loads. The index reflects the Wickenburg Unified School District's commitment to provide opportunities for all students to achieve and demonstrate academic excellence.

Grade Point Average (GPA)

Grade Point Average is calculated for each student for the purpose of reflecting a student's academic achievement over his/her high school experience. Grades received in Advanced Placement and Honors courses are weighted to reflect the level of workload and performance of the student.

STANDARD GRADES	POINTS	AP OR HONORS GRADES	POINTS
A	4.0	A	5.0
B	3.0	B	4.0
C	2.0	C	3.0
D	1.0	D	1.0
F	0	F	0

To calculate a simple GPA, add the sum of the grade points and divide by the number of credits taken. The calculation is as follows:

$$\text{GPA} = \frac{\text{sum of grade points earned}}{\text{number of credits taken}}$$

Students may retake any class for grade improvement. Both grades will appear on the transcript, however, the highest grade and credit will be used in the calculation of the GPA.

Cumulative Difficulty Weight

The Cumulative Difficulty Weight (CDW) is a measure of a student's course load compared to that of other students and utilized to determine class ranking.

The prescribed load for students is 3 credits for the first six semesters completed, 2 credits for semester seven, and two credits for semester 8. The prescribed load is as follows:

1st semester freshman	3
2nd semester freshman	6
1st semester sophomore	9
2nd semester sophomore	12
1st semester junior	15
2nd semester junior	18
1st semester senior	20
2nd semester senior	22

Transfer students will have their prescribed load individually calculated and adjusted based on the offering of their previous school.

The GPA for a student who takes the prescribed number of credits is calculated using the honor point weighting formula listed above.

For students who take more than the prescribed load, the following slide scale will be used for calculation purposes:

For the 1st additional credit over the prescribed load .167
For the 2nd additional credit over the prescribed load .083
For the 3rd additional credit over the prescribed load .042
Additional credits taken will follow the above scale (divided by 2).

The formula would be:

$$CDW = \frac{\#\text{ of credits} + .167(1) + .083(1) + .042(1) + .021(1) + \ldots}{\text{prescribed load}}$$

- Only credits taken after the eighth grade promotion will be used when calculating the student's CDW. Special Education courses, teacher assistance assignments, team teacher assignments, and Advisory classes will be noted on the transcript, but will not be used when calculating a student's CDW.
- Students graduating in their Junior year will be added to the senior class rank in January of their graduating year. They will be eligible for all honors and scholarships.
- Transfer Honors or AP courses will be awarded weighted honors points for only those courses offered at Wickenburg High School.

All additional credit must be submitted and entered onto the transcript by the end of the seventh semester.

The Class Rank Index

The purpose of ranking students according to academic standing is to provide information requested by post-secondary institutions to determine admission and scholarship opportunities. The Class Rank Index (CRI) enables the District to rank students from first to last place.

To determine ranking the Grade Point Average (GPA) is multiplied by the Cumulative Difficulty Weight (CDW).

$$CRI = GPA \times CDW$$

Final class rank will be calculated and submitted to post-secondary institutions at the end of the seventh semester. The seventh semester ranking will be used to identify the top 3%, 5% and 10% of the class, who will be recognized as students graduating with distinction and honored accordingly at the graduation ceremony.

Valedictorian/Salutatorian

The Valedictorian and Salutatorian will be selected at the end of the eighth semester. The Class Rank Index will be used to determine Valedictorian and Salutatorian. Those students will be recognized at the graduation ceremony.

HONORS GUIDELINES

Honors Entrance and Maintenance Requirements

Factors that are considered for placement and continued enrollment in honors classes include:

1. Previously qualified for gifted services based on state standards in the verbal or quantitative areas or,
2. Percentile rank test scores that meet district criteria on the reading, language, and math portions of a nationally-named achievement test or,
3. Fulfilled the prerequisites for the content or,
4. A recommendation from the instructor teaching the course.

High School Honor Roll Guidelines

Students in grades 9-12 who meet high academic standards will be eligible for honor roll recognition. The honor roll shall be computed for each semester according to the following criteria:

1. Semester grade point average (GPA) of 3.0 or better
2. Enrollment in five or more courses that count toward the honor roll requirements
3. Any pass/fail credit will not count towards honor roll requirements
4. Special Education courses will not count toward the honor roll requirements, but may be recognized for special effort apart from the honor roll.
5. No D's or F's on semester grade report
6. Incomplete grades must be cleared from the record before a student can qualify for the honor roll.

ACADEMIC COURSE OFFERINGS

As mandated by the State Board of Education, instruction and assessment in all required Language Arts classes will focus on reading, writing, speaking, and listening state standards. Language Arts classes required for graduation must be taken in sequence.

LANGUAGE ARTS

CORE COURSES	
English Reading	1 Credit
English Writing	1 Credit
Academic English Writing and Grammar	1 Credit
SEI Language Arts I	1 Credit
ACT Quality Core English 9 **OR** ACT English 9 Honors	1 Credit
ACT Quality Core English 10 **OR** ACT English 10 Honors	1 Credit
English 11 **OR** English 11 AP Language and Composition	1 Credit
English 12 **OR** English 12 AP Literature and Composition	1 Credit

ELECTIVE COURSES	
Conversational English & Academic Vocabulary	1 Credit
English Grammar	1 Credit
Academic Reading	1 Credit
SEI Language Arts II	1 Credit
Yearbook	1 Credit

10091 CONVERSATIONAL ENGLISH AND ACADEMIC VOCABULARY
Prerequisites: District Placement
1 Credit

This class increases oral English skills by using Jazz Chants and the Rosetta Stone language acquisition program.

10092 ENGLISH READING
Prerequisites: District Placement
1 Credit

This class uses the Keys to Learning and Shining Star language series, supplemented by additional reading selections. Students also increase reading fluency through reading Six Minute Solutions reading passages and vocabulary lists. Each unit also includes writing strategies and different genres of writing.

10093 ENGLISH WRITING
Prerequisites: District Placement
1 Credit

Students are introduced to writing strategies through Write Tools. Students will learn the different steps of the English writing process while exploring different types of writing.

10094 ENGLISH GRAMMAR
Prerequisites: District Placement
1 Credit

Students study English grammar through the Focus on Grammar series. Students will study grammar concepts, verb tenses, vocabulary, parts of speech and other structures of the English Language. Grammar is taught using the ELL Standards and the DSI.

10095 ACADEMIC ENGLISH WRITING AND GRAMMAR
Prerequisites: District Placement
1 Credit

This class develops writing skills through Write Tools strategies, and introduces students to the Six Traits rubric. The class includes journal writing, narrative, expository, and persuasive writing. Students also work on increasing academic vocabulary. Grammar is studied in the Grammar Review series.

10096 ACADEMIC READING
Prerequisites: District Placement
1 Credit

In this class, students increase reading fluency through Six Minute Solutions, and develop reading strategies through Word Wisdom. Students will also read a variety of genres of fiction and non-fiction.

10097 SEI LANGUAGE ARTS I
Prerequisites: District Placement
1 Credit

This course will help develop student writing and reading skills with a modified English curriculum. Students will study grade-level appropriate literature and complete grade-level appropriate writing assignment. Curriculum materials and standards will align with the WHS English curriculum as well as the Arizona Language Arts Academic Standards. Students will work toward meeting proficiency on the AIMS tests as well as the AZELLA.

10098 SEI LANGUAGE ARTS II
Prerequisites: District Placement
1 Credit

This course is designed to improve the reading skills of students who are Intermediate English Language Learners. Students are taught reading strategies for fiction and non-fiction. Students will read short stories and novels. They will work on increasing reading fluency through the Rewards reading program. Vocabulary and literary elements are integrated into the course.

LANGUAGE ARTS

10120 ACT ENGLISH 9
Prerequisites: Meets eligibility criteria
1 Credit

This course is required for graduation
Major Concepts/Skills:
The purpose of this course is to enable students to read texts that challenge them and to approach texts with a questioning stance. Students will also create pieces of writing that require the synthesis of disparate pieces of information and the revision of multiple drafts. Throughout the course, students will complete varied assessments and engage in discourse about print, digital, and multimedia sources. Students will be expected to complete relevant projects that require them to take ownership of their learning.
The content themes or topics should include, but not be limited to, the following:

- *Reading:* reading across the curriculum; reading strategies; knowledge of literary and nonliterary forms; influences on texts; author's voice and method; persuasive language and logic; literary criticism; words and their history
- *Writing:* writing process; modes of writing for different purposes and audiences; organization, unity, and coherence; sentence-level constructions; conventions of usage; conventions of punctuation
- *Research*
- *Listening, viewing, and speaking:* comprehension and analysis; application
- *Study skills and test taking*

10145 ACT ENGLISH 9 HONORS
Prerequisites: 8th Grade Teacher recommendation.
1 Credit

This course is for self-motivated college bound students. Honors English 9 is the first step in preparing students for the more challenging advanced placement courses offered during the 11th and 12th grades.
Major Concepts/Skills:
The purpose of this course is to enable students to read texts that challenge them and to approach texts with a questioning stance. Students will also create pieces of writing that require the synthesis of disparate pieces of information and the revision of multiple drafts. Throughout the course, students will complete varied assessments and engage in discourse about print, digital, and multimedia sources. Students will be expected to complete relevant projects that require them to take ownership of their learning.

The content themes or topics should include, but not be limited to, the following:

- *Reading:* reading across the curriculum; reading strategies; knowledge of literary and nonliterary forms; influences on texts; author's voice and method; persuasive language and logic; literary criticism; words and their history
- *Writing:* writing process; modes of writing for different purposes and audiences; organization, unity, and coherence; sentence-level constructions; conventions of usage; conventions of punctuation
- *Research*
- *Listening, viewing, and speaking:* comprehension and analysis; application
- *Study skills and test taking*

LANGUAGE ARTS

10220 ACT ENGLISH 10
Prerequisites: Meets eligibility criteria
1 Credit

This course is required for graduation.
Major Concepts/Skills:
The purpose of this course is to enable students to read texts that challenge them and to approach texts with a questioning stance. Students will also create pieces of writing that require the synthesis of disparate pieces of information and the revision of multiple drafts. Students will explore how all texts are purposeful and addressed to an audience, while evaluating common tools of persuasion; in their writing, they practice the same skills. Throughout the course, students will complete varied assessments and engage in discourse about print, digital, and multimedia sources. Students will be expected to complete relevant projects that require them to take ownership of their learning. By the end of the course students will develop the habit of revisiting, revising, and adding to what has already been learned and by pushing toward ever deeper understanding.

The content themes or topics should include, but not be limited to, the following:

- *Reading:* reading across the curriculum; reading strategies; knowledge of literary and nonliterary forms; influences on texts; author's voice and method; persuasive language and logic; literary criticism; words and their history
- *Writing:* writing process; modes of writing for different purposes and audiences; organization, unity, and coherence; sentence-level constructions; conventions of usage; conventions of punctuation
- *Research*
- *Listening, viewing, and speaking:* comprehension and analysis; application
- *Study skills and test taking*

10245 ACT ENGLISH 10 HONORS
Prerequisites: Successful completion of 1 year of English, teacher recommendation
1 Credit

This course is for self-motivated college bound students.
Major Concepts/Skills:
The purpose of this course is to enable students to read texts that challenge them and to approach texts with a questioning stance. Students will also create pieces of writing that require the synthesis of disparate pieces of information and the revision of multiple drafts. Students will explore how all texts are purposeful and addressed to an audience, while evaluating common tools of persuasion; in their writing, they practice the same skills. Throughout the course, students will complete varied assessments and engage in discourse about print, digital, and multimedia sources. Students will be expected to complete relevant projects that require them to take ownership of their learning. By the end of the course students will develop the habit of revisiting, revising, and adding to what has already been learned and by pushing toward ever deeper understanding.

The content themes or topics should include, but not be limited to, the following:

- *Reading:* reading across the curriculum; reading strategies; knowledge of literary and nonliterary forms; influences on texts; author's voice and method; persuasive language and logic; literary criticism; words and their history
- *Writing:* writing process; modes of writing for different purposes and audiences; organization, unity, and coherence; sentence-level constructions; conventions of usage; conventions of punctuation
- *Research*
- *Listening, viewing, and speaking:* comprehension and analysis; application
- *Study skills and test taking*

10300 ENGLISH 11
Prerequisites: Meets eligibility criteria
1 Credit

This course is required for graduation. Students will expand the five-paragraph essay to an in-depth examination of issues and events using analysis and synthesis in interpretation. These examinations will include a research paper utilizing the MLA format. The ability to understand, interpret and explain significant works of American literature becomes the focus for the students. The study of grammar is integrated into the entire reading/writing course of study making use of students' skills from English 9 and 10.

LANGUAGE ARTS

10340 English 11 AP Language and Composition (Honors) *Prerequisites:* Successful completion of 2 years of English, teacher recommendation	English 11 Pre-Advanced Placement is the final preparative course for entry into Advanced Placement English. This course is for self-motivated college bound students. Some of this curriculum is based on the College Board's advanced placement test in Language and Composition. Students will write in-depth examinations of issues and events using analysis and synthesis in interpretation. These examinations will include a research paper utilizing the MLA format. The ability to understand, interpret and explain significant works of classical American literature becomes the focus for the students. The study of grammar is integrated into the entire reading/writing course of study. Individual outside reading is a continued requirement.
10400 ENGLISH 12  *Prerequisites:* Meets eligibility criteria 1 Credit	Advanced literary techniques and devices are used to study and analyze works of world literature. Reading focuses on world literature from the classic to the modern as it reflects the ideals and value systems of diverse human societies. Works read in this course may include, but are not limited to, such works as Isben's *A Doll's House* and Shakespeare's *Macbeth*. Writing emphasizes the analysis, synthesis and evaluative processes as they apply to expository and persuasive compositions, literary critiques, business letters, and résumés. The study of grammar is integrated into the entire reading/writing course of study making use of students' skills taught at the lower levels.
10460 ENGLISH 12 AP Literature and Composition (Honors) *Prerequisites:* Successful completion of three years of English, teacher recommendation 1 Credit	This course is for self-motivated college bound students who seek instruction and practice in critical thinking and advanced composition. Included in the course of study is the reading and analysis of prose, poetry and essays concerned with literary, political, sociological and psychological issues from various nations. Writing emphasizes the analysis, synthesis and evaluative processes as they apply to expository and persuasive compositions and literary critiques. Individual outside reading is a requirement. Students are encouraged to take the Advanced Placement Exam in May to earn college credit.
10500 YEARBOOK *Prerequisites:* Successful completion of staff application and interview 1 Credit	This class is for students of average or above average ability who have a strong sense of responsibility, dependability, and commitment to the group effort of publishing the school's yearbook. Simple math and some writing skills are helpful, but the main requirement for the staff members is that they should be willing to devote the time and energy to completing assigned work by deadline time in a satisfactory manner. Staffers take pictures, sell and design ads, and design page layouts. This course may be repeated for credit.
10510 JOURNALISM *Prerequisites:* Successful completion of staff application and interview 1 Credit	This course includes the study of media with the main emphasis on the newspaper. Areas of focus include: news, sports, feature and editorial writing, interviewing, page layout and design, advertising, typography, gathering news, headline writing, standards of good newspaper practice, and vocabulary used in the medium. Students apply their knowledge to publish the "Wrangler Gazette" as well as "The Saddlebag" literary magazine that keeps the school and community informed about campus activities. This course may be repeated for credit.

As mandated by the State Board of Education, instruction and assessment in all required Mathematics classes will focus on the Mathematics state standards. Mathematics classes required for graduation must be taken in sequence.

MATHEMATICS

CORE COURSES		ELECTIVE COURSES	
ACT Quality Core Algebra I	1 Credit	Financial Mathematics	1 Credit
ACT Quality Core Geometry	1 Credit	Pre-Calculus (Honors)	1 Credit
Integrated Mathematics 2	1 Credit	Calculus AB (Honors)	1 Credit
Algebra 2	1 Credit	Calculus BC (Honors)	1 Credit
Integrated Mathematics 3	1 Credit		

INTRODUCTION TO ACT ALGEBRA 1

1 Credit

This course is designed to reinforce the prerequisite skills for Algebra as well as teach the basic principles and concepts of Algebra I. Topics will include operations with rational and signed numbers, the order of operations, variable expressions, real number properties, operations with monomials and polynomials, and linear equations.

11120 ACT ALGEBRA 1

Prerequisites: District Placement
1 Credit

This course is required for graduation.

Major Concepts/Skills:

The purpose of this course is to enable students to engage in logical exploration and thorough mathematical investigations. Students will examine the structure of real numbers, in algebraic expressions, equations and inequalities, and in the classes of functions. Students will learn algebraic concepts through patterns and events that are best described and represented by linear equations; inequalities; functions and systems; quadratic equations and functions; polynomial expressions and equations; and data analysis and probability. In the process of exploring these mathematical relationships, the course encourages students to rely upon problem-solving strategies and to use precise mathematical language to communicate ideas and interpret their solutions.

The content themes or topics should include, but not be limited to, the following:

- Exploring the skills and strategies underlying mathematics
- Establishing number sense and operations skills
- Exploring expressions, equations, and functions in the first degree
- Exploring quadratic equations and functions
- Exploring advanced functions
- Organizing and analyzing data and applying probability

11122/3 ACT EXTENDED ALGEBRA 1

1 Credit Algebra A
1 Credit Algebra B

Placement determined by MDTP Algebra Readiness Test

This course is designed to cover the Major Concepts and Skills for Algebra 1 over a two year period of time.

Major Concepts/Skills:

The purpose of this course is to enable students to engage in logical exploration and thorough mathematical investigations. Students will examine the structure of real numbers, in algebraic expressions, equations and inequalities, and in the classes of functions. Students will learn algebraic concepts through patterns and events that are best described and represented by linear equations; inequalities; functions and systems; quadratic equations and functions; polynomial expressions and equations; and data analysis and probability. In the process of exploring these mathematical relationships, the course encourages students to rely upon problem-solving strategies and to use precise mathematical language to communicate ideas and interpret their solutions.

The content themes or topics should include, but not be limited to, the following:

- Exploring the skills and strategies underlying mathematics
- Establishing number sense and operations skills
- Exploring expressions, equations, and functions in the first degree
- Exploring quadratic equations and functions
- Exploring advanced functions
- Organizing and analyzing data and applying probability

MATHEMATICS

11220 INTEGRATED MATHEMATICS 2
Prerequisites: Successful completion of Integrated Math 1 **OR** Sophomore standing
1 Credit

This course furthers the study of Algebra and Geometry begun in Integrated Math 1. Students will study concepts regarding linear and non-linear functions, discrete mathematics, data analysis and Euclidean Geometry.

11210 ACT GEOMETRY
Prerequisites: Successful completion of Algebra 1
1 Credit

This course is required for graduation.
Major Concepts/Skills:
The purpose of this course is to enable students to engage in logical exploration and thorough mathematical investigations. Students will become familiar with the geometrical terms such as points, lines, planes, etc. from which all other terms are later defined. Students will investigates axioms and postulates; problems and relationships that lead to theorems; the properties of plane figures from line segments to rays, angles, polygons, and circles; the properties of solids; perimeter, area, and volume; and similarity, congruence, and symmetry. This course presents these geometric concepts through several approaches to geometry (e.g., Euclidean, coordinate, and transformational), and it introduces students to trigonometry. Students are asked to justify their reasoning and to construct formal proofs using the language and structure of mathematics. In the process of exploring these mathematical relationships, the course encourages students to rely upon problem-solving strategies and to use precise mathematical language to communicate ideas and interpret their solutions.

The content themes or topics should include, but not be limited to, the following:

- Exploring the skills and strategies underlying mathematics
- Using logic and proof to reason mathematically
- Identifying, classifying, and applying the properties of geometric figures in space
- Comparing congruent and similar geometric figures Using length, area, perimeter, and volume to find quantities and solve problems
- Relating geometric ideas to the coordinate plane
- Investigating and applying basic ideas of trigonometry

11300 INTEGRATED MATHEMATICS 3
Prerequisites: Successful completion of 2 Math Credits
1 Credit

This course is designed to extend the student's mathematical skills mastered in previous courses. The course concentrates on helping the student acquire or maintain the skills found in the Arizona State Mathematics College and Work Readiness Standards. The topics covered in this course include a review of algebraic concepts and operations, functions of various types, statistics, number theory, rational functions, applications of ratios and proportions, trigonometry, and log and exponential functions. This course has an emphasis on the use of technology and the modeling with functions. A graphing calculator is recommended for this course. ***This course satisfies the Algebra 2 requirement for graduation purposes.***

11310 ALGEBRA 2
Prerequisites: Successful completion of Geometry
1 Credit

This course is designed to prepare students for standard college-level algebra. The topics will include reviews of the properties of real numbers, polynomial and rational expressions, solving equalities and inequalities in one and two variables. We will also work with irrational and complex expressionis, conic sections, probability and statistics and a variety of problem-solving techniques. Systems of equations and applications, elementary functions, log and exponential functions, and trigonometric functions and identities are included in the curriculum. A graphing calculator is required for this course.

MATHEMATICS

11400 FINANCIAL MATHEMATICS *Prerequisites:* Successful completion of 3 Math Credits 1 Credit	This course is designed to prepare students for mathematics they see in the real world. The emphasis will be on understanding mathematical concepts and their applications. Topics to be covered include: Set Theory, Personal Finance, Probability and Statistics, Geometric concepts. Supplemental concepts may include: Voting theory, Game theory, Logic. A graphing calculator is required for this course.
11410 PRE-CALCULUS (HONORS) *Prerequisites:* Successful completion of Algebra 2 1 Credit	This course is designed to cover a variety of analysis and pre-calculus topics to prepare students for advanced courses in mathematics. The topics will include a study of mathematical systems and sets, vectors, complex numbers, sequences and series, infinite sequences and series, matrix operations, elementary functions, transcendental functions and limits of functions. A graphing calculator is required for this course.
11460 CALCULUS AB (HONORS) *Prerequisites:* Successful completion of Algebra 2 1 Credit	This course is designed to mirror a college-level Calculus course. The topics include functions, limits, rates of change, derivatives, and applications of derivative, differentials and differential equations, areas under curves, integrals and applications of integrals. Students are encouraged to take the Advanced Placement examination in May to earn college credit. A graphing calculator is required for this course.
11461 CALCULUS BC (HONORS) *Prerequisites:* Successful completion of Calculus AB 1 Credit	This course is designed to mirror a college-level second year Calculus course. The topics include advanced methods and application of integration, polar coordinates, improper integrals, and series expansions. Students are encouraged to take the Advanced Placement examination in May to earn college credit. A graphing calculator is required for this course.

SCIENCE

CORE COURSES	
Environmental Science	1 Credit
Integrated Science	1 Credit
ACT Quality Core Biology%	1 Credit
ACT Quality Core Chemistry% **OR** Chemistry Honors%	1 Credit

ELECTIVE COURSES	
Physics Honors%	1 Credit
Earth Science%	1 Credit
Anatomy & Physiology	1 Credit

% indicates courses accepted as Lab Science courses by universities

12090 ENVIRONMENTAL SCIENCE
Prerequisites: Meet eligibility criteria
1 Credit

The goal of this course is to gives students an opportunity to learn how the "biological" world and "environmental" world are interconnected and function together. Throughout this course the outdoor classroom will be used for student projects, research, as well as, data collection for scientists involved in the GLOBE (Globe Learning and Observation to Benefit the Earth – sponsored by NASA) program. This course will focus on the abiotic (soil, water, water quality, water sheds) and biotic (cells, plants, animals, and biomes).
This course is only offered at WDLP.

12100 INTEGRATED SCIENCE
Prerequisites: Meet eligibility criteria
1 Credit (Lab Science)

A two-semester course designed to give the student a basic understanding of chemistry, physics and earth science. Topics include the physical and chemical properties of matter, structure of the atom, arrangement of the periodic table, chemical bonding, chemical reactions, properties of motion, Newton's Laws, energy, heat, light, sound, electricity and astronomy. Strong emphasis will be placed on the development of good laboratory skills, the building of a technical vocabulary, and critical thinking skills.

12220 ACT BIOLOGY
Prerequisites: Meet eligibility criteria
1 Credit (Lab Science)

Major Concepts/Skills:
The purpose of this course is to enable students to engage in higher-order reasoning through discussion, relevant learning, and experimentation. This course emphasizes problem solving, critical thinking, and decision making, as well as the primary aspects of the biological sciences, including cells and their functions; introductory biochemistry; genetics; animals, plants, and the relationships among organisms; ecology; and evolution. Students will apply and refine their mathematical and statistical skills in scientific investigations requiring them to collect and analyze sets of data to determine trends and relationships among data. Students will also conduct research, seeking valid and pertinent information in print and other sources. Students will be expected to read scientific articles and learn how professional scientists approach problems, perform research, analyze test findings, effectively present data, and then write and publish results. Students will present data and research on biological topics in both technical writing and oral presentations.
The content themes or topics should include, but not be limited to, the following:

- Exploring and defining the fundamental unifying concepts, organization, and inquiry techniques underlying the science of biology
- Investigating life processes at the cellular level and understanding both how these processes work and how they are maintained and regulated
- Delving into heredity by investigating how genetic structures and processes provide the mechanism for continuity and variety among organisms
- Investigating processes that allow populations to change in response to different environmental and genetic pressures
- Identifying and deciphering the distinguishing characteristics of all categories of living things and establishing the genetic, ancestral, and behavioral relationships among them
- Analyzing the ecological processes by which living things interact with their environments and with each other

SCIENCE

12320 ACT CHEMISTRY
Prerequisites: Successful completion of Biology
1 Credit (Lab Science)

Major Concepts/Skills:
The purpose of this course is to enable students to engage in higher-order reasoning through discussion, relevant learning, and experimentation. This course emphasizes problem solving, critical thinking, and decision making, as well as the primary aspects of the chemical sciences, including the makeup of the physical world; the properties and structures of matter; the laws explaining the activity of gases; the chemical structures of elements, molecules, and compounds; the periodic table of elements, the proper symbolic nomenclature of elements; the symbolic representation of chemical reactions in formulas and equations; and atomic structure and bonding. Students will apply and refine their mathematical and statistical skills in chemical investigations requiring them to collect and analyze sets of data to determine trends and relationships among data. Students will also conduct research, seeking valid and pertinent information in print and other sources. Students will be expected to read scientific articles and learn how professional scientists approach problems, perform research, analyze test findings, effectively present data, and then write and publish results. Students will present data and research on chemical sciences in both technical writing and oral presentations.

The content themes or topics should include, but not be limited to, the following:

- Understanding chemistry as inquiry
- Exploring the physical world
  Discovering the language of chemistry
- Building models of matter
- Integrating the macroscopic, microscopic, and symbolic world

12345 ACT CHEMISTRY HONORS
Prerequisites: Successful completion of Biology **AND** co-enrollment in Algebra 2
1 Credit (Lab Science)

Chemistry Honors is an in-depth inquiry-based course designed to familiarize you with the science processes, skills, and understandings related to a wide range of topics in chemistry. The makeup of the physical world, from the properties and structures of matter to the laws explaining the activity of gases, is explored, as are the chemical structures of elements, molecules, and compounds. Students will study the periodic table of elements and the proper symbolic nomenclature of elements as well as the symbolic representation of chemical reactions in formulas and equations. More advanced subjects, such as REDOX reactions or nuclear chemistry, are also introduced in a rigorous Chemistry course. A scientific calculator is required for this course, a graphing calculator is recommended.

12440 PHYSICS HONORS
Prerequisites: Successful completion of Honors Chemistry **OR** Teacher recommendation
1 Credit (Lab Science)

This two semester college preparatory course places a strong emphasis upon developing good problem solving and laboratory skills, emphasizing the application of mathematical techniques to understand the physical world. Topics covered include the basic concepts used to describe motion, such as velocity and acceleration, Newton's Laws of Motion, energy conservation, and electricity. A graphing calculator is recommended for this course.

12500 EARTH SCIENCE
Prerequisites: Successful completion of 2 Science Credits
1 Credit (Lab Science)

This course covers aspects of Earth and space. First semester is a fundamental study of geology including characteristics and interrelationships of living organisms and non-living Earth structures, mineral and rock composition, soil regions/changes in the Earth's surface, and mapping strategies. Second semester focuses on the atmosphere, meteorology, and renewal of our water resources. Finally, the course involves astronomy and Earth's relationship to other objects in the universe.

12520 ANATOMY & PHYSIOLOGY
Prerequisites: Successful completion of Biology and Chemistry
1 Credit (Lab Science)

Anatomy and Physiology is designed for the advanced science student interested in the life sciences. Studies of the anatomy and body systems will enable students to understand how the body functions and how each system relies upon the other. Classroom activities include lectures, discussions, microscope use, and laboratory dissections. This course will cover the structure of certain human cells, systems of the human body, and the proper maintenance of them.

SOCIAL STUDIES

CORE COURSES	
ACT World History/Geography	1 Credit
ACT Quality Core American History	1 Credit
Advanced Placement American History	1 Credit
Government	1 Credit (½ credit for cohort 2019)
Advanced Placement Government	1 Credit (½ credit for 2019)
Economics/Economics Honors	½ Credit

ELECTIVE COURSES	
Psychology/Sociology	1 Credit
Advanced Placement Psychology	1 Credit
Student Government	1 Credit

13101 ECONOMICS
Prerequisites: Meet eligibility criteria
½ Credit

This course deals with macroeconomics. Students will study the principles and terminology of economics as they apply to the economy as a whole. They will develop a familiarity with economic performance measures, economic growth, and national/international economics.

13141 ECONOMICS (HONORS)
½ Credit

This course deals with macroeconomics. Students will study the principles and terminology of economics as they apply to the economy as a whole. They will develop a familiarity with economic performance measures, economic growth, and national/international economics. It will include guest speakers, as well as special activities and projects, etc., that may not be available to regular classes.

13200 ACT WORLD HISTORY/GEOGRAPHY
Prerequisites: Meet eligibility criteria
1 Credit

This course includes a brief overview of ancient and medieval history. Most of the course will concentrate on modern history. The emphasis is on western civilization, but it includes discussion of relevant history of other regions of the world. Students will also study geographic principles in relation to world civilization.

13240 ACT WORLD HISTORY/GEOGRAPHY HONORS
Prerequisites: B or better in Economics Honors **OR** teacher recommendation
1 Credit

This course is designed for motivated students who have a high interest in History. It involves a survey of ancient, medieval history, and modern history. The emphasis is on western civilization, but it includes discussion of relevant history of other regions of the world. The course will include special activities, films, etc. that may not be available to the regular classes. Students will also study geographic principles in relation to world civilization.

13320 ACT AMERICAN HISTORY
Prerequisites: Meet eligibility criteria
1 Credit

Major Concepts/Skills:
The purpose of this course is to enable students to engage with demanding historical content. Students will learn how to frame meaningful questions, practice research methods, develop the ability to read and think critically, evaluate evidence, and articulate their findings. Students will also read and analyze varied historical texts to develop close reading skills and begin to see the past from more than one viewpoint. Students write throughout the course, developing their interpretive skills and marshaling their research into sophisticated essays. In this course, students will learn to work alone and with others, to evaluate a wide range of source materials, to analyze evidence and assess conflicting interpretations, to construct their own interpretations of the past, and to communicate their views to others. In the process, students will discover that the study of history is about problem solving, gathering evidence, and piecing together evidence to create a picture of the past.

The content themes or topics should include, but not be limited to, the following:

- Exploring the skills and strategies underlying United States history
- *Building a nation (Colonization–ca. 1877):* colonization and forging a new nation; antebellum America; the Civil War and Reconstruction
- *Rebuilding a nation (ca. 1877–ca. 1914):* industrialization and urbanization; increasing influence and challenges
- *Challenges at home and abroad (ca. 1914–1941):* the United States in a changing world
- *America since World War II (1941–Present):* America at war; changes at home

SOCIAL STUDIES

13360 AP AMERICAN HISTORY *Prerequisites:* B or better in World History Honors **OR** teacher recommendation 1 Credit	This course is for motivated, college bound students who have high interest in our nation's history and in current affairs. Course elements include the development of our national institutions, the creation of our unique system of government, and the major trends of American History. The course mirrors a college-level history course, and students are encouraged to take the Advanced Placement exam in May to earn college credit.
13400 GOVERNMENT *Prerequisites:* Meet eligibility criteria 1 Credit (½ credit for cohorts 2019 and beyond)	This course includes an overview of various governmental systems, the fundamental principles of the US Constitution, and the operation of the federal government. It will include a brief history of the settlement and development of the state of Arizona. It will also include study of the major principles of the state constitution and the working of the state, county, and local governments. **Students are required to enroll in the course for an entire year and will earn ¼ of the required graduation credit per semester.**
13460 AP GOVERNMENT *Prerequisites:* B or better in AP American History **OR** teacher recommendation 1 Credit (½ credit for cohorts 2019 and beyond)	This course is for motivated, college bound students who have high interest in how our government works, in the problems and issues related to government, and in current affairs. Course elements include the fundamental principles of the U.S. Constitution, the operation of the federal government, and overview of various other governmental systems. Another component of the course includes study of Arizona History and Government, as well as the workings of county and local levels of government. This course mirrors a college-level political science course and students are encouraged to take the Advanced Placement exam in May to earn college credit. Students will also study the free enterprise system. This will also include comparison and contrast between our economic system and other major systems throughout the world.
13500 PSYCHOLOGY/SOCIOLOGY *Prerequisites:* Successful completion of World History and Biology 1 Credit	The fall semester of the course will focus on the sociological concepts of human relationships and social behavior. The spring semester of the course will focus on the psychological concepts of human behavior and the mental process. The course is geared toward the college introductory level.
13510 STUDENT GOVERNMENT *Prerequisites:* Election to student office 1 Credit	This course will focus on group and individual leadership techniques directed at organizing, developing, and carrying out school and community projects. Students will be involved in the preparation of agendas, use of parliamentary procedure, speech making, and evaluation skills in facilitating the administration of Student Council activities. Activities shall include the study of famous leaders, image making, and positive thinking, as well as individual growth in these areas. This course may be repeated for credit.
13560 AP PSYCHOLOGY *Prerequisites:* Successful completion of World History and Biology **AND** Teacher recommendation 1 Credit	The course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Students are encouraged to take the Advanced Placement examination in May to earn college credit.

ELECTIVE COURSE OFFERINGS

Courses marked with * meet the WUSD graduation requirement for either fine arts or Career and Technical Education
Courses marked with + meet the Arizona university system's fine arts subject area requirement.

PERFORMING ARTS

CORE COURSES

ELECTIVE COURSES

Beginning / Advanced Band*	1 Credit
Beginning/ Advanced Piano*+	1 Credit
Women's Chorus*+	1 Credit
Exousia Voce*+	1 Credit
Introduction to Theater*+	1 Credit
Advanced Theater*+	1 Credit

14090 BEGINNING PIANO / ADVANCED PIANO*
Prerequisites: Meet eligibility criteria
1 Credit

Open to students in grades 9-12 with basic demonstrated music literacy (through audition or previous coursework). Students will learn music theory and first-year keyboarding skills in the beginning course, and apply this knowledge to the creation of new compositions and to the orchestration of existing music for band, rock combo, voice and piano, orchestra, solo keyboard, or other combinations of performers.

14100 BEGINNING BAND/ ADVANCED BAND *+
Prerequisites: Musical Proficiency
1 Credit

Open to students with proficiency in playing an instrument (by audition). Ensembles will be arranged according to enrollment and instrumentation. Students will perform a broad variety of music from many genres, as well as learning about the theory and practices of music, the process of composition, and the technical operation of their instrument(s). Students may be required to purchase or rent their own instrument. A schedule of required performances will be provided; in addition, extracurricular performance activities are also offered to interested students on a seasonal basis. This course may be repeated for credit.

14200 WOMEN'S /14205 MEN'S CHORUS*+
Prerequisites: By Audition
1 Credit

Women's and Men's Chorus is open to all students who are interested in learning to sing, musicianship and vocal performance. Students will learn the basics of healthy vocal technique, music history, basic music theory and sight reading. This class will explore many genres in the choral music world ranging from Classical to Broadway and pop tunes. **Students are required to attend all scheduled performances.** Additional activities may include solo and small ensemble performances for community events, Solo and Ensemble festivals, Regional Choir (by audition) and All State Choir (by audition). This course may be repeated for credit.

14210 EXOUSIA VOCE*+
Prerequisites: By Audition
1 Credit

Exousia Voce is open, by director approval or audition, to any student who has had previous singing and vocal performance experience. In this class, students will further explore music theory, sight reading and intermediate to advanced vocal techniques. The students in the class must be exemplary students in both academics and musicianship. The ability to match pitch is required. The students will sing choral music from all genres including Classical, vocal jazz, pop, Broadway and more! Academic student outcomes include intermediate music theory, music history, sight reading skills, solo and ensemble singing. **Students are required to attend all scheduled performance.** Additional activities may include solo and small ensemble performance the community events, Solo and ensemble festivals, Regional choir (by audition) and All State Choir (by audition.). This course may be repeated for credit.

PERFORMING ARTS

14300 INTRODUCTION TO THEATER*+ *Prerequisites:* None 1 Credit	In this course students will learn basic skills, terminology, techniques and an overview of theatre history. This course will emphasize basic theatre skills that are useful in most vocational fields such as public speaking, quick thinking, collaboration, and self-confidence. Topics of study include Shakespearean sonnets, technical theatre, reader's theatre, theatre games, monologues, and scene work. Students should expect to participate and to see personal growth, as much of the class will focus on being involved. As part of this course students will be required to perform six (6) hours a semester working on a production outside of class time in a nonperformance role.
14301 ADVANCED THEATER*+ *Prerequisites:* Successful completion of Introduction to Theater **OR** Instructor approval 1 Credit	This course will continue to build on the skills and knowledge developed in Introduction to Theatre. It will cover many of the same areas that are taught in that class, however, the focus will be more thorough as it will require even more student participation. In addition, students will be given opportunities to act, direct, produce, and work on technical and behind the scenes aspects of theatre. This class stages the yearly one-act play festival. As part of this course students will be required to perform nine (9) hours a semester working on a production outside of class time in a nonperformance role. This course may be repeated for credit.

VISUAL ARTS

CORE COURSES

ELECTIVE COURSES

Art I*+	1 Credit
Advanced Art*+	1 Credit
Studio Art*+	1 Credit

15100 ART I*+
Prerequisites: None
1 Credit

Art I is an introductory art class designed to familiarize the student with a variety of Art techniques and materials. The materials may include tempera, watercolor, pen and ink, pastels, charcoal, pencil and block printing. Hand building of ceramics and sculpture techniques are also taught. The course contains a short section of Art History included in each semester.

15200 ADVANCED ART*+
Prerequisites: Successful completion of Art I
1 Credit

Advanced Art is designed to further the student's knowledge in the areas learned in Art 1. Due to material and facility constraints, Advanced Art students study topics in a three-year cycle. Topics include: Life Drawing, Ceramics, Glasswork, Lapidary, Advanced Painting and Drawing Techniques, Jewelry Making. Students are also required to complete semester projects and commission assignments approved by the instructor.

15300 STUDIO ART*+
Prerequisites: By Approval Only
1 Credit

Studio Art is designed for students pursuing post-high school studies in the Visual Arts. Students must be self-motivated and able to work independently. Students will be required to keep an Art Portfolio.

WORLD LANGUAGES $

CORE COURSES

ELECTIVE COURSES

Spanish I (or Spanish I Heritage)	1 Credit
Spanish II	1 Credit
Spanish III	1 Credit
Spanish IV	1 Credit

16100 SPANISH I or 16104 SPANISH I (HERITAGE)
Prerequisites: Meet eligibility criteria
1 Credit

Spanish I is a college prep course. It covers basic vocabulary, grammar, oral, reading and writing skills. Special cultural emphasis will be placed on Mexico. The four skills (listening, writing, speaking and reading) are stressed with a greater emphasis on listening and speaking. Cultural exposure to Latin American countries is also included. Spanish I Heritage is intended for native Spanish speakers.

16101 SPANISH II
Prerequisites: Successful completion of Spanish I
1 Credit

Spanish II continues the exploration of Spanish and Hispanic culture that was started in Spanish I. Higher levels of grammar, writing, reading, and oral proficiency will be emphasized. Special cultural emphasis will be centered on Spain. Spanish II continues the emphasis of language as communication. Students develop reading for comprehension and limited writing experience skills. Cultural exposure to Latin American countries is continued. Emphasis is placed on the different verb tenses used in written and conversational Spanish.

16102 SPANISH III
Prerequisites: Successful completion of Spanish II
1 Credit

Spanish III continues the linguistic and cultural exploration of the earlier levels. In addition to a continued study of grammar, emphasis will also be placed on composition. A comparative study will be done on the Hispanic world. Spanish III stresses communication in Spanish. Oral communication is emphasized through conversation, newscasts with video and oral reports. Written work includes essays, historical reports, and film reports. Extensive readings from novels, newspapers from Spain, and from the text are also included in the course. Latin American and Spanish cultures and customs are introduced through a Spanish newspaper, historical readings and research.

16103 SPANISH IV
Prerequisites: Successful completion of Spanish III
1 Credit

Spanish IV continues the classical study of the culture and language. All aspects of the language will be explored with a special emphasis on literature. Spanish IV stresses the same curriculum as Spanish III, but is more comprehensive. Greater independent study is also asked of the student.

PHYSICAL EDUCATION

ELECTIVE COURSES

Physical Education	1 Credit
Weight Training	1 Credit
Athletic PE	1 Credit

17100 PHYSICAL EDUCATION *Prerequisites:* Meet eligibility criteria 1 Credit	This class meets the minimum state requirement for physical education and health. The health portion emphasizes life-long fitness, physical, emotional, and social health as well as self esteem, stress management, human anatomy, nutrition, substance abuse, infectious diseases (STD, AIDS), injury prevention and first aid. The Physical Education portion will emphasize lifelong sports (golf, tennis, fitness, challenge course, biking, hiking, outdoor activities), and team sports.
17500 WEIGHT TRAINING *Prerequisites:* Completion of Physical Education **AND** Sophomore standing 1 Credit	This class is designed to encourage the student to achieve and maintain a high level of physical fitness (strength, speed, power, flexibility, anaerobic, and aerobic conditioning). Student will learn fitness program design, elements of fitness, nutrition, human anatomy, fitness testing procedures, and proper lifting techniques.
17520 ATHLETIC PE *Prerequisites:* Placement on an Athletic Team 1 Credit	This class is open to students who have made one of the twelve sports offered at Wickenburg High School. Student-athletes will be involved in sport-specific conditioning and weight-training in the off-season and sport-specific skills during the season of sport.

NON-DEPARTMENTAL OFFERINGS

CORE COURSES	
Advisory 9	½ Credit
Advisory 10	½ Credit
Advisory 11	½ Credit
Advisory 12	½ Credit

ELECTIVE COURSES	
Assistant (Office, Guidance, Teacher)	½ Credit
Internship/Work Experience	1 Credit
Health	1 Credit
Human Relations	1 Credit
Child Development	1 Credit

18100 ADVISORY 9
Prerequisites: Meet eligibility criteria
½ Credit

This course is designed to help 9th grade students in their transition from Elementary to High School. Students will focus on career choices, implementing the online post-secondary portfolio, goal setting and study skills. Each student's advisor will engage the student in monitoring their academic progress throughout the school year.

18101 ADVISORY 10-12
Prerequisites: Meet eligibility criteria
½ Credit

This course is designed to provide 10th grade students support in preparation for their AIMS test, as well as post-secondary choices. Students will focus on continued implementation of the online post-secondary portfolio. Students will be offered individual tutoring and re-teach opportunities within Math and Language Arts based testing and benchmark results and teacher recommendation. Each student's advisor continues their academic monitoring.

18300/18301/18302 ASSISTANT (GUIDANCE, OFFICE, TEACHER)
Prerequisites: 3.0 GPA, Junior or Senior status, Administrative approval
½ Credit

Assistantship is an elective work study. The student will be assigned to the office, counseling, or a teacher to aid in various activities. **This course is graded on a Pass/Fail basis. This course may only be taken once per year.**

18500/18501 INTERNSHIP

Prerequisites: Administrative Approval
1 Credit, additional credit with Administrative approval

Students will have an opportunity to complete an Internship in conjunction with local businesses that provides an opportunity for students to learn skills in various career fields. Students must provide their own transportation to and from work for this course. Students are expected to provide required documentation and a portfolio that documents meeting the requirements as outlined by the instructor.
Student on the job hours for this course may vary but hours and portfolio information must meet the standard requirements for a Carnegie unit.

The internship course may be one of the following:

1. General Internship through WHS
2. CTE Internship through WHS
3. Digital Internship through WDLP

18520 HEALTH
Prerequisites: None
1 Credit

This course emphasizes life-long fitness, physical, emotional, and social health, as well as self esteem, stress management, human anatomy, nutrition, substance abuse, infectious diseases (STD, AIDS) injury prevention, and first-aid. **This course is only offered at WDLP.**

18525 HUMAN RELATIONS
Prerequisites: Meet eligibility criteria
1 Credit

In this course, the student will discover & study personal aspects such as values, morals, beliefs, personality, strengths & weaknesses. Being aware of these personal aspects can facilitate the student through life, and help them form positive & healthy relationships. Students cover communication skills, values clarification, goal setting, decision making, and employability skills among the topics covered. **This course is only offered at WDLP.**

18526 CHILD DEVELOPMENT
Prerequisites: Meet eligibility criteria
1 Credit

Students will study child development from prenatal development, birth, and up through five years old. Parenting is the most important job in your future, and yet children come without instruction manuals. We will be taking a look at your future as a parent, parenting issues, and important development milestones in a child's life. **This course is only offered at WDLP.**

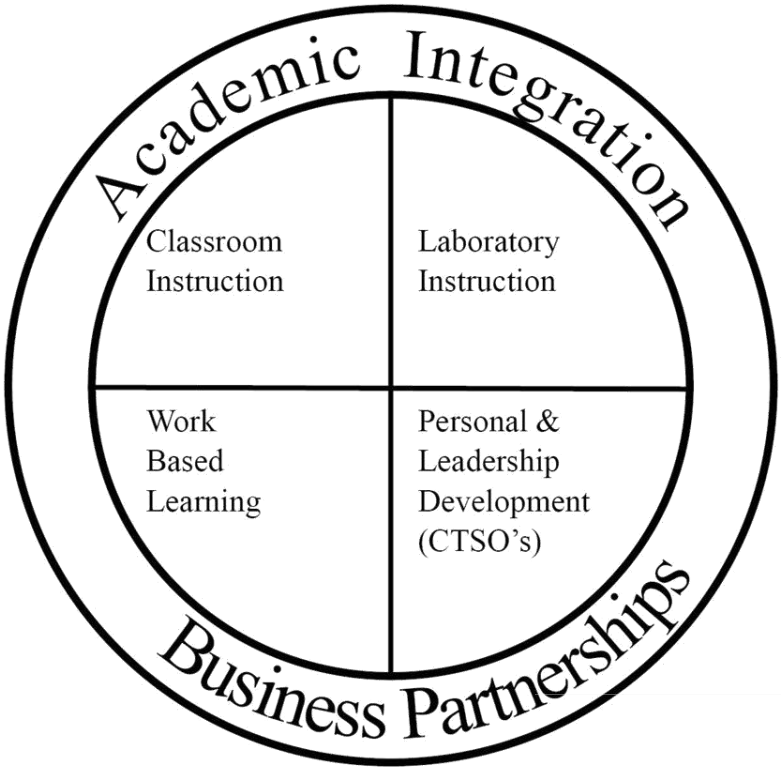
Wickenburg Unified School District Career and Technical Education (CTE)

In today's global economy, the workplace requires better trained and prepared employees. In WUSD, utilizing the delivery service model below, CTE Educators are responding to these needs. The curriculum is constantly being reviewed and updated to better align with business and industry and to meet the rigorous Arizona Academic Standards in preparation for the state graduation exam - AIMS.

CTE is for ALL Students!

CTE Programs provide students the opportunity to explore and experience careers while in high school and apply their academic and technical skills in relevant real world settings. Career and Technical Education:

- expands Student Options through relevant curriculum and laboratory instruction.
- enhances Success in School through applying academic skills in a real world situation.
- provides College Prep and Career Prep by providing a multitude of dual enrollment opportunities; meeting the entrance requirements for four-year colleges and universities; integrating employability skills, academic standards and providing opportunities for scholarships, through rigorous academic curriculum.
- provides Opportunities for Work Experience and Personal Leadership Development that can prepare students for many careers through work based learning in the business community and through Career and Technical Education Student Organization activities (including DECA and SkillsUSA).



DECA

SkillsUSA®

BUSINESS, MARKETING & MANAGEMENT

BUSINESS MANAGEMENT & ADMINISTRATIVE SERVICES

CORE COURSES	ELECTIVE COURSES	
	Business Management/Entrepreneurship I*	1 Credit
	Business Management/Entrepreneurship II*	1 Credit

20100 BUSINESS MANAGEMENT/ ENTREPRENURSHIP I* *Prerequisites:* Meet eligibility criteria 1 Credit	This course addresses the necessary and applicable skills for any student pursing an immediate position in the workforce or in postsecondary education. The course will address the following components: Microsoft Word, Excel, Access, Internet, Charting, Desktop Publishing (scanners, digital cameras, and video) and Advanced Integrated Applications. Students will also continue their development of their Career Portfolio started in previous classes. Career and Technical Student Organization (CTSO) standards will be an integral part of this class.
20101 BUSINESS MANAGEMENT/ ENTREPRENEURSHIP II* *Prerequisites:* Successful completion of BMAS I 1 Credit	This course offers classroom instruction in human relations, work ethics, communication, computer skills and professional appearance. This course prepares students for careers in any of the following dynamic industries: computer, medical, banking/finance, real estate, accounting and taxes, public relations, human resources, education, government, insurance, entertainment and university studies. Students will also continue their development of their Career Portfolio started in previous classes. Career and Technical Student Organization (CTSO) standards will be an integral part of this class. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

HUMAN SERVICES & RESOURCES

FAMILY AND CONSUMER SCIENCES

CORE COURSES	ELECTIVE COURSES	
	Professional Foods*	1 Credit
	Culinary Arts*	1 Credit

22100 PROFESSIONAL FOODS*
Prerequisites: Meet eligibility criteria
1 Credit

This course is a beginning foods preparation and nutrition course. The students will learn the basics of food sanitation and safety procedures as well as practice techniques and terms used in the commercial food industry during many food lab settings. The student will study health and nutrition, the "Food Pyramid," food labeling, issues in nutrition, quick breads, yeast breads, vegetables, fruits, pastries, etc. The food industry, as a career option, will be introduced to the student.

20101 CULINARY ARTS*
Prerequisites: Successful completion of Professional Foods
1 Credit

This course will help students develop a thorough understanding of the marketing concepts and theories that apply specifically to sports and entertainment events. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals and sports marketing plans. This course will also delve into the components of promotion plans, sponsorship proposals and the key elements needed in marketing plans. Career and Technical Student Organization (CTSO) standards will be an integral part of this class. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

MEDIA COMMUNICATIONS

MEDIA COMMUNICATIONS

21100 MEDIA TECHNOLOGIES FUNDAMENTALS

1 Credit

This course is an introduction to technical skills and knowledge for one specific program area within CMT or a mixture of CMT program areas that are reflected at each school. The focus of the coursework will be in line with the specific industry(ies) that are available and relevant to the student's future plans for post-secondary and/or business & Industry. Instruction will include:

- Analyzing the media industry, business practices and its role in the economy.
- Investigating the Intellectual Property Law and Rights Management.
- Demonstrating verbal and nonverbal communication skills required by the media industry.
- Demonstrating written communication skills within the media industry.
- Utilizing computer applications to manage media.
- Appling knowledge of data capture and manipulation.

21101 DIGITAL PHOTOGRAPHY
Prerequisite: Media Technologies Fundamentals
1 Credit

This course prepares students to capture an image directly with a digital camera, by capturing a frame from a video, and by scanning a conventional photograph and then applying a wide variety of special effects to it with image enhancing software. An integrated approach to teaching and learning is recommended as students develop interpersonal relations, career development skills, Workplace Employability Skills and technical knowledge and skills. Students completing this program will be prepared to enter the workforce and/or Post-secondary where they will be able to apply the skills necessary to be in Digital Photography while also having a strong portfolio to support their knowledge and skill.

INDUSTRIAL, MANUFACTURING & ENGINEERING SYSTEMS

Courses marked with ^ may be used to satisfy the 4th Credit of Mathematics required beginning with the Class of 2013

CONSTRUCTION TECHNOLOGIES

CORE COURSES	ELECTIVE COURSES	
	Construction Technology I*	1 Credit
	Construction Technology II*^	1 Credit

23100 CONSTRUCTION TECHNOLOGY I* *Prerequisites:* Meet eligibility criteria 1 Credit	This course focuses on exterior residential and light construction systems. Students learn about the tools, materials, equipment, and methods used in the light construction industry. The proper use of hand and power tools in exterior construction is stressed. Students will also be introduced to architectural computer aided design (CAD) and the creation of working drawings. They will also explore careers and the impact of construction technology on society and the environment. Students will create several projects in small groups that stress exterior construction skills including layout, foundations, masonry, framing, exterior finishing, and roofing. Students will research various topics and present information to the entire class several times.
23101 CONSTRUCTION TECHNOLOGY II*^ *Prerequisites:* Successful completion of Construction Technology I 1 Credit	This first part of the course focuses on interior residential and light construction systems. Students will expand their architectural CAD skills. They also estimate materials and labor costs; study industry standards and building codes; consider health and safety issues; explore energy conservation, careers, and the impact of construction technology on society and the environment. They will create several projects that stress skills including plumbing, electrical, drywall, and interior finishing. Students will research various topics and present information. This second part of the course focuses on the application of all construction skills while also introducing advanced construction concepts. In groups, students use their knowledge of design, materials, and construction to independently develop structures to demonstrate their knowledge and skills. Students will estimate materials and costs. They must insure their design complies with industry standards and building codes. Students will present the progress of their project to the class and community members during the semester. Students also develop career plans to enter a construction trade. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

PRE-ENGINEERING

CORE COURSES

ELECTIVE COURSES

Introduction to Engineering Design*	1 Credit
Principles of Engineering Design*^	1 Credit
Engineering and Design Development*	1 Credit

21200 INTRODUCTION TO ENGINEERING DESIGN* *Prerequisites:* Completion or concurrent enrollment in Geometry **OR** Instructor Approval 1 Credit	This course provides an overview of the engineering process and the development of a design. Students use computer software to produce, analyze and evaluate models of projects solutions. They study the design concepts of form and function; then use state-of-the-art technology to translate conceptual design into reproducible products.
21201 PRINCIPLES OF ENGINEERING DESIGN*^ *Prerequisites:* Successful completion of Introduction to Engineering Design 1 Credit	This course provides an overview of engineering and engineering technology. Students will develop problem-solving skills by tackling real-world engineering problems. Students will learn about the different types of engineers and their contributions to society through the use of individual and group projects modules. Areas of study include robotics, Mechanical Systems, Electronics, and Structures.
21202 ENGINEERING DESIGN AND DEVELOPMENT* *Prerequisites:* Successful completion of Principles of Engineering Design 1 Credit	Students will continue to explore the different fields of engineering through modules and project investigations. In addition, this course lets students apply what they have learned in academic and pre-engineering course as they complete challenging, self-directed projects. Students work in teams to design and build solutions to authentic engineering problems. This course equips students with the independent study skills that they will need in post secondary education and careers in engineering and engineering technology. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

Through a joint cooperation with the Western Maricopa Educational Center (West-MEC), students at Wickenburg High School have the opportunity to earn high school credit and on-the-job training in one of eight different areas: Cosmetology, EMT, Dental Assisting, Automotive Technology, Medium/Heavy Diesel Technology, Automotive Collision Industries, Aviation Technology, and Fire Science. Students are required to provide their own transportation to the centers where these courses are taught, as well as pay any tuition and/or materials costs. Following completion of these programs, students can earn certifications in the areas studied which will allow them to start into industry jobs right out of high school. The following is the course sequences to be offered in SY 2015-2016:

Medical Information Systems (One Year Program) – West-MEC Northeast Campus
MIS101 - Medical Information Systems I – 1.5 credits, CIP: TBD
MIS102 - Medical Information Systems II – 1.5 credits, CIP: TBD
Teacher: TBD
Minutes per week: 750 (12.5 hours) Hours per program: 450

Medium/Heavy Diesel Technology (Two Year Program) – Freightliner Campus
MHD101 – Diesel Engine/Core Curriculum – 1.5 credits, CIP: 47.0600.10
MHD102 – Diesel Engine Maintenance – 1.5 credits, CIP: 47.0600.40
MHD201 – Diesel Electric/Electronic Systems – 1.5 credits, CIP: 47.0600.45
MHD202 – Diesel Advanced Technologies - 1.5 credits, CIP: 47.0600.45
Teacher: Schumaker, Nick
Minutes per week: 750 (12.5 hours) Hours per program: 900

Pharmacy Technician (One Year Program) – West-MEC Northeast Campus
PT101 – Pharmacy Technician I – 1.5 credits, CIP: 51.0800.11
PT102 – Pharmacy Technician II – 1.5 credits, CIP: 51.0800.11
Teacher: TBD
Minutes per week: 750 (12.5 hours) Hours per program: 450

Precision Manufacturing (Two Year Program) – West-MEC Central Campus
PM101 – Precision Manufacturing Foundations I – 1.5 credits, CIP: 48.0500.10
PM102 – Precision Manufacturing Foundations II – 1.5 credits, CIP: 48.0500.12
PM201 – Intermediate Precision Machining – 1.5 credits, CIP: 48.0500.30
PM202 – Advanced Precision Machining – 1.5 credits, CIP: 48.0500.30
Teacher: Guillia, Gil
Minutes per week: 750 (12.5 hours) Hours per program: 900

Veterinary Sciences (Two Year Program) – West-MEC Northeast Campus
VS101 – Veterinary Sciences Foundations I – 1.5 credits, CIP: 51.0808.10
VS102 – Veterinary Sciences Foundations II – 1.5 credits, CIP: 51.0808.10
VS201 – Veterinary Assistant Services I – 1.5 credits, CIP: 51.0808.20
VS202 – Veterinary Assistant Services II – 1.5 credits, CIP: 51.0808.20
Teacher: Adams, Hailey
Minutes per week: 750 (12.5 hours) Hours per program: 900

Welding Technology (Two Year Program) – Cortez High School
WT101 – Introduction to Welding Technology – 1.5 credits, CIP: 48.0508.10
WT102 – Basic Electric Arc Welding Techniques and Practices – 1.5 credits, CIP: 48.0508.10
WT201 – Electric Arc Welding Processes, Application and Fabrication – 1.5 credits, CIP: 48.0508.20
WT202 – Advanced Electric Arc Welding and Positioning - 1.5 credits, CIP: 48.0508.20
Teacher: Wostl, Nick
Minutes per week: 750 (12.5 hours) Hours per program: 900

West-MEC

West-MEC

2015 – 16 Central Programs Course Catalog

West-MEC

Aesthetician

The Aesthetician program prepares students for a career as trained skin care professionals who specialize in providing skin care and beauty-related services. Courses meet three and one-half hours per day, Monday through Friday including integrated clinical experiences. The program is in partnership with the Maricopa Skill Center housed at the Skill Center Northwest Campus, located at 2931 West Bell Rd., Phoenix, AZ 85023.

AE101 – Aesthetician Foundations **2.25 High School Credits**

AE101 is the first course of the one-year Aesthetician program, offered to high school juniors and seniors. The course provides students a foundation in the skin care and beauty-related industry. Students will learn to perform facials, skin analysis, and body treatments, including full body exfoliation. Students will also learn hair removal techniques using both hard and soft wax, light exfoliation with fruit acids (peels), and microdermabrasion. Training includes day and evening makeup and false eyelash application.

AE102 – Aesthetician Services **2.25 High School Credits**

Prerequisite(s): AE101 Aesthetician Foundations

AE102 is the second course of the one-year program. The course allows students to apply learned skills in skin care and beauty-related services. Emphasis is placed on the application of skills necessary for establishing and maintaining a clientele. Topics also include knowledge of State laws pertaining to aesthetics, as well as business management skills. Upon completion of this program you will be prepared to pass the Arizona State Board of Cosmetology aesthetics licensing exam.

West-MEC

Automotive Collision Technology

The Automotive Collision Technology program meets two and one-half hours per day, Monday through Friday at West-MEC Northeast Campus, 1617 W. Williams Dr., Phoenix, AZ 85027.

AC101 - Automotive Collision Core Curriculum **1.5 High School Credits**

AC101 is the first course of a two-year Automotive Collision Technology program offered to junior and senior students. This course teaches the basic principles and terminology of the auto body repair industry. This course includes hands-on repair of body damage including: metal work, trim and basic painting, estimating job costs, types of metals and plastic, industry safety components, structural analysis, suspension and drive trains, computer diagnostic systems, and welding used in collision repair. Upon completion of the two-year program, students may test for I-Car Industry Certification.

AC102 - Automotive Collision Repair **1.5 High School Credits**

Prerequisite(s): AC101 - Automotive Collision Core Curriculum

AC102 is the second course of a two-year Automotive Collision Technology program offered to junior and senior students. This course covers auto refinishing and minor bodywork. Students will learn advanced principles of auto body painting and refinishing including: surface preparation, spray gun operation, paint mixing, matching and applying, solving paint application problems, finish defect causes and cures, and safety precautions. Students will use all types of automotive paints and undercoats; some custom design paintwork is taught. This course also teaches estimating costs, types of metals and plastics used for reconstruction, safety practices, advanced structural analysis, computer diagnostic systems, welding, as well as customer service and basic business practices. Upon completion of the two-year program, students may test for I-Car Industry Certification.

AC201 - Automotive Collision Structural Repair **1.5 High School Credits**

Prerequisite: AC 102 - Automotive Collision Repair

This course starts the second year of the two-year Automotive Collision Technology program which continues to cover principles and terminology of the auto body repair industry. The curriculum reiterates safety, career opportunities, workplace skills and ethics, and includes more advanced principles of structural damage analysis including major body and frame repair, mechanical and electrical repair, suspension and drive trains, computer diagnostic systems, estimating cost factors and glass repair. Upon completion of the two-year program, students may test for I-Car Industry Certification.

AC202 - Automotive Collision Advanced Painting Techniques **1.5 High School Credits**

Prerequisite: AC 201 - Automotive Collision Structural Repair

This is the final course in the two-year Automotive Collision Technology program. The course allows students to apply learned skills in the area of collision repair with extensive hands-on custom painting and tinting, matching paints, fancy detailing and troubleshooting painting problems. Upon completion of the two-year program, students may test for I-Car Industry Certification.

West-MEC

Automotive Technology

The Automotive Technology program meets two and one-half hours per day, Monday through Friday at both the West-MEC Northeast Campus, 1617 W. Williams Dr., Phoenix, AZ 85027 and at Peoria High School, 11200 N. 83rd Ave., Peoria, 85345 (83rd Ave. and Peoria).

AT101 - Automotive Technologies Core Curriculum **1.5 High School Credits**

AT101 is the first course in a two-year Automotive Technology program, offered to junior students through a partnership with West-MEC (Western Maricopa Education Center). The course focuses student learning on automobile engine performance, brakes, steering and suspension, and electrical components.

AT102 - Automotive Technologies I **1.5 High School Credits**

Prerequisite(s): AT101 - Automotive Technology Core Curriculum

AT102 is the second course in the Automotive Technology program. The course allows students to apply learned skills in the area of automobile engine performance, brakes, steering and suspension, and electrical components.

AT201 - Automotive Technologies II **1.5 High School Credits**

Prerequisite(s): AT102 - Completed first year of Automotive Technology

AT201 starts the second year of the two-year Automotive Technology program. The program teaches students automobile engine performance, brakes, steering and suspension, and electrical components.

AT202 - Automotive Technologies Advanced Systems **1.5 High School Credits**

Prerequisite(s): AT201 - Automotive Technologies II

AT202 is the final course in the Automotive Technology program. The course allows students to apply learned skills in the area of automobile engine performance, brakes, steering and suspension, and electrical components.

* Upon completion of the two-year program, students may take the NATEF ASE Certification Exam.

West-MEC

Aviation Maintenance Technology

The Aviation Maintenance Technology program meets four and one-half hours per day, Monday through Friday at the West-MEC Central Campus, 6997 N. Glen Harbor Blvd., Glendale, AZ 85307. The program will also meet for sixty-two days spread over two summers to meet the 1952 hours of required FAA instruction.

AV101 – Aviation Technologies General Curriculum **3 High School Credits**

AV101 is the first course of a two-year Aviation Maintenance Technology program, offered to junior students through a partnership with West-MEC (Western Maricopa Education Center). The program curriculum includes content in the repair and maintenance of aircraft including the following: electricity, math, physics, mechanic privileges and limitations, maintenance publication, maintenance forms and records, weight and balance.

AV102 – Aviation Airframe Systems I **2 High School Credits**

Prerequisite(s): AV101 - Aviation Technologies General Curriculum

AV102 completes the first year of the Aviation Maintenance Technology program. Students are introduced to fundamental skills in aircraft repair and maintenance including: aircraft instruments, aircraft fuel systems, fire protection systems, ice and rain control systems, aircraft finishes, sheet metal, landing gears, and hydraulics.

AV103 – Aviation Airframe Systems Summer **1 High School Credit**

Prerequisite(s): AV102 - Aviation Airframe Systems I

AV201 – Aviation Airframe Systems II **3 High School Credits**

Prerequisite(s): AV103 - Aviation Airframe Systems Summer

AV201 starts the second year of the Aviation Maintenance Technology program. The program curriculum includes content in the repair and maintenance of aircraft including the following: Welding, Cabin Atmosphere Control Systems, Airframe Inspection, and Assembly and Rigging.

AV202 – Aviation Powerplant I Systems **3 High School Credits**

Prerequisite(s): AV201 - Aviation Airframe Systems II

AV202 is the final course of the Aviation Maintenance Technology program. The program curriculum includes content in the repair and maintenance of aircraft including the following: Turbine and Reciprocating Engines, Engine Inspection, Ignition and Starting Systems, and Fuel Metering Systems.

* Upon successful completion of the two-year program, students who are 18 years of age or older, may take the final exam for certification known as the Aviation Maintenance Technician exam.

West-MEC

Avionics/Electronics

The Avionics/Electronics program prepares students to work in the aviation avionics industry and in organizations that have a heavy emphasis on electronics and electronic systems. This course will cover areas of aviation fundamentals, electronics, safety, math and science for avionics, instrumentation, exposure to airframes and cockpits, lab testing, installation and repair of aviation electronic equipment. Courses meet two and one-half hours per day, Monday through Friday at the West-MEC Central Campus, 6997 N. Glen Harbor Blvd., Glendale, AZ 85307.

ET101 - Avionics Technology Fundamentals I **1.5 High School Credits**

This is the first course in a series of four. The course will cover the following areas: aviation fundamentals, basic electricity/electronics, safety, ac/dc theory, semi-conductors, instrumentation, tools of the trade and math and science for avionics.

ET102 - Avionics Technology Fundamentals II **1.5 High School Credits**

Prerequisite(s): ET101 - Avionics Technology Fundamentals I

This is the second course in a series of four. This course will provide a base foundation in the following areas: electronic circuits, digital circuits, numbering systems in electronics, air transportation code, aircraft wiring, troubleshooting and repair and line and bench radar systems.

ET201 - Avionics Technology Services I **1.5 High School Credits**

Prerequisite(s): ET102 - Avionics Technology Fundamentals II

This is the third course in a series of four. This course applies learned skills from the fundamental courses to the following: aircraft electrical systems, line and bench maintenance, aircraft radio maintenance, calibration of test equipment, soldering and lab safety.

ET202 – Avionics Technology Services II **1.5 High School Credits**

Prerequisite(s): ET201 - Avionics Technology Services I

This is the final course in the series of four. The course includes the application of skills learned in the first three courses. The emphasis in this course is on installing and testing avionics systems like, transceivers, receivers, flight and engine instrumentation, auto pilot systems, navigation and radar systems, flight recording systems, FCC license requirements and aircraft forms and documentation.

West-MEC

Climate Control Technician

The Climate Control Technician program prepares students to work as a technician in heating, ventilation, air conditioning and refrigeration. Students will trouble shoot, diagnose, repair and install equipment in the commercial and residential market. The program meets two and one-half hours per day, Monday through Friday at the West-MEC Northeast Campus, 1617 W. Williams Dr., Phoenix, AZ 85207.

HVD101 - HVACR Fundamentals I **1.5 High School Credits**

This is the first course in a series of four. The course will cover the following topics: Construction drawings, basic electricity tools of the trade, piping, HVAC controls, math for HVAC, estimating skills, materials handling, safety, rigging, introduction to cooling and heating, soldering and brazing.

HVD102 - HVACR Fundamentals II **1.5 High School Credits**

Prerequisite(s): HVD101 - HVACR Fundamentals I

This is the second course in a series of four. The course will cover the following: commercial air systems, chimneys, flutes, hydronic systems, air quality, leak detection, recovery and charging, basic electronics, control circuit troubleshooting, troubleshooting gas heating and cooling, heat pumps, basic installation and maintenance practices and duct systems.

HVD201 - HVACR Technician I **1.5 High School Credits**

Prerequisite(s): HVD102 - HVACR Fundamentals II

This is the third course in a series of four. This course will cover the following: refrigerants and oils, compressors, metering devices, retail refrigeration systems, commercial hydronics, steam systems, planned maintenance, water treatment, troubleshooting electronic controls, oil heating, and heat pumps.

HVD202 - HVACR Technician II **1.5 High School Credits**

Prerequisite(s): HVD201 - HVACR Technician I

This is the fourth course in the series. This course will cover the following: construction drawings and specification, air system balancing, indoor air quality, building management systems, system startup and shut down, system design, commercial and industrial refrigeration systems.

West-MEC

Coding

The Coding program prepares students for a career as a software developer. The program prepares students to design and develop software, build apps for phones, tablets, and websites and write and test computer code. Courses meet two and one-half hours per day, Monday through Friday. The program is located at the START@West-MEC Campus, 5405 North 99th Ave., Glendale, AZ 85305.

C101 – Survey of Coding **1.5 High School Credits**

C101 is the first course of the two-year Coding program, offered to high school juniors and seniors. The course provides students a foundation in the software development industry. Students will learn the fundamentals of software development systems, computer concepts, and programming techniques. Hands-on experience with selected industry software and programming languages such as: Java, C#, Python, HTML, Javascript and CSS. Students will apply skills and knowledge to develop apps for mobile devices.

C102 – Coding Fundamentals I **1.5 High School Credits**

Prerequisite(s): C101 – Survey of Coding

C102 is the second course of the two-year Coding program. Students will learn fundamental concepts of programming from an object-oriented perspective. These concepts include: classes, objects and methods, algorithm development, problem-solving techniques, basic control structures, primitive types and arrays. Students will apply skills and knowledge to develop apps for mobile devices and computers.

C201 – Coding Fundamentals II **1.5 High School Credits**

Prerequisite(s): C102 – Coding Fundamentals I

C201 is the third course of the two-year Coding program. Students will learn advanced object-oriented programming concepts introduced in C102 such as: inheritance, exceptions, graphical user interfaces, recursion, and data structures. Students will apply skills and knowledge to develop apps for mobile devices and computers.

C202 – Coding Applications **1.5 High School Credits**

Prerequisite(s): C201 – Coding Fundamentals II

C203 is the fourth course of the two-year Coding program. The course allows students to apply learned skills in software development. Emphasis is placed on exploring coding applications across the software development industry. Students will build on the skills and knowledge acquired in the previous courses. Students will apply skills and knowledge to develop apps for mobile devices and computers.

West-MEC

Cosmetology

The Cosmetology program meets four hours per day, Monday through Friday and will include some Saturday classes in order to complete the training hours. Classes will be held at the Cutting Edge Style Academy, 7565 W. Peoria Ave., Peoria 84345 (75th Ave. & Peoria) and at Maricopa Skill Center – Northwest Campus, 2931 W. Bell Rd., Phoenix, AZ 85023.

COS101 – Fundamentals of Cosmetology **3 High School Credits**

This fundamentals course provides junior and senior students with the knowledge needed to succeed in a Cosmetology and Aesthetics program. Topics include ethics, sanitation, Arizona state laws, and other fundamentals of the modern salon. As students begin training, they will explore the history of cosmetology, gain an understanding of the industry's expectations for image, communication, sanitation, and general life skills. Students will identify basic anatomy and physiology structures, including skin, nails, muscles, bones, hair, and scalp. Students will be introduced to cosmetology-related chemistry and electricity, practice basic shampooing and scalp treatments, hair cutting, nail care, basic aesthetic procedures, disinfection control practices, and styling techniques, including blow drying, finger waving, air waving, hair pressing, and thermal waving and curling. Students will begin to work with hair color, tint, and bleach, along with permanent waving and chemical relaxing processes. Practice will be limited to mannequins, other students, or models.

COS102 – Cosmetology Basic Applications **3 High School Credits**

Prerequisite(s): COS101 - Fundamentals of Cosmetology

Building on the skills and knowledge acquired in the previous course, students will apply chemical texture services, wig and hair enhancements, braids, extensions, permanent waving, hair relaxing, tinting, bleaching, and basic hair coloring procedures. Students will recognize various skin diseases and disorders, along with the theory of aesthetics, which includes knowledge of facial procedures including make-up application and waxing. Additionally, students will be introduced to nail diseases and disorders. Students will gain knowledge of manicure and pedicure practices and procedures, along with gaining experience with sculptured nails, gel nails, and nail tips with overlays. Students will continue practicing their skills on mannequins, students, models, and students will be introduced to working on clients.

COS201 – Cosmetology Advanced Applications **3 High School Credits**

Prerequisite(s): Completed first year of Cosmetology

As students progress through this class, they will continue to develop and practice skills in hair cutting, coloring, bleaching, tinting, permanent waving, and styling on the clinic floor, working with clients. Students will be encouraged to develop good customer service skills and build a client base. In addition, students will continue to practice and cultivate their aesthetic and nail care skills and knowledge.

COS202 – Practicum & Certification Prep **3 High School Credits**

Prerequisite(s): COS201 - Cosmetology Advanced Applications

Prerequisite(s): Students will apply the knowledge and skills learned in previous classes and working on clients, on the clinic floor. At this time in the training, students will gain expertise in their skills and receive additional training for advanced techniques in hair cutting, coloring, permanent waving, relaxing, and styling. In addition, students will sharpen their skills in aesthetics, nail care, and client services. Students will begin to explore cosmetology careers and salon businesses. This course prepares students for licensure and entrance into the workforce. Students will review the Arizona Board of Cosmetology (ABOC) rules and regulations, along with cosmetology-related Arizona State Laws. In preparation for the state board exam, students will fine tune procedures and review the ABOC required curriculum. Students will participate in mock exams – both written and demonstration. In addition, students will begin employment-seeking activities, which include job site field trips, résumé writing, mock interviewing, and job researching.

West-MEC

Emergency Medical Technician (EMT)

The EMT program meets three days per week for a total of ten hours per week (one semester) at one of the following locations: Glendale Community College Main, Glendale Community College North, and the SouthWest Skill Center at Estrella Mountain Community College. Community College Credits are awarded when courses are successfully completed.

EM101A Fundamentals of EMT **.75 High School Credit**

EM101A is offered to senior students through a partnership with West-MEC (Western Maricopa Education Center). The CPR section of the EMT course is a comprehensive overview to train a student to provide emergency care for patients suffering sudden illness or injury and includes patient assessment, lifting/ moving patients, taking vital signs, basic treatment for selected medical conditions and bandaging / splinting of injured patients. This course is appropriate for students considering careers in law enforcement agencies, healthcare, or fire service/protective agencies.

EM101B Advanced Applications of EMT **1 High School Credit**

Prerequisites: EM101A - Fundamentals of EMT

EM101B, the second section of the EMT course, presents techniques of emergency medical care in accordance with national and state curriculum. The class encompasses the study of the human body, patient assessment, treatment of medically or traumatically compromised patients, special hazards, and medical operations. Further topics include IV monitoring, Sudden Infant Death Syndrome (SIDS), patient-assisted medication administration, automated external defibrillators, and blood-glucose monitoring. Students participate in two eight-hour clinical rotations through a local emergency department scheduled during the semester outside normal class hours.

* Upon completion of the course, students who are 18 years of age or older, may take the National Registry Exam to receive EMT certification.

West-MEC

Fire Science

The Fire Science program meets two days per week for a total of six hours per week at Glendale Community College Main and the SouthWest Skill Center at Estrella Mountain Community College. Community College Credits are awarded when courses are successfully completed.

Fire fighters must be EMT certified; therefore, students are advised to complete the Fire Science program as juniors and the Emergency Medical Technician (EMT) program as seniors.

FS101 – Introduction to Fire Protection and Suppression **.75 High School Credit**

FS101 presents a history and evaluation of the fire department organization. Junior and senior students learn the role of the fire service in the community. Students study responsibilities of the fire administrator including organization, departmental functions, interdepartmental relationships, management of buildings and equipment, and techniques of fire-fighting. In addition, students learn emergency medical services and fire prevention and examine characteristics and behavior of fire, fire hazard properties of ordinary materials, extinguishing agents, fire suppression organization and equipment, basic firefighting tactics, and public relations as affected by fire suppression.

FS102 – Hazardous Materials/First Responder/Special Projects **.75 High School Credit**

FS102 teaches students the basic methods of recognition and identification based on chemical and physical properties of hazardous materials; basic safety procedures when utilizing specific types of protective clothing and equipment; basic tactical information relating to scene management. Students will study confined space operations in accordance with the National Fire Protection Agency. Students will be given the opportunity to engage in a unique capstone experience that is organized and tailored around the interests and needs of the individual student. The experience is structured to provide an atmosphere of individualized research and study paralleled by professional expertise and guidance. Professional type facilities and equipment will be available to students. The capstone experience allows the best aspects of independent study and individualized learning to be combined to maximize student development.

West-MEC

General Construction Technology

The General Construction Technology program prepares trainees to enter the world of residential and commercial construction. This course will cover the base fundamentals of the following: estimating, concrete, masonry, framing, dry wall, basic electrical, basic plumbing, roofing, hand and power tools, rigging and materials handling, safety. Courses meet two and one-half hours per day, Monday through Friday at the West-MEC Northeast Campus, 1617 W. Williams Dr., Phoenix, AZ 85027.

GC101 – General Construction I **1.5 High School Credits**

This is the first in a series of four courses. Technology I will cover the core curriculum of, construction drawings, basic electricity, safety, power and hand tools, math, estimating skills rigging and business concepts. 225 hours

GC102 – General Construction II **1.5 High School Credits**

Prerequisite(s): GC101 - Construction I

This the second course in a series of four. This course includes flooring, roof systems, stairs walls, ceiling systems, and exterior finishes (concrete) 225 hours

GC201 – General Construction III **1.5 High School Credits**

Prerequisite(s): GC102 - Construction II

This is the third course in a series of four. Construction III covers advanced work in the major content in Construction Technology one and two. New Emphasis will be placed on Carpentry.

GC202 – General Construction IV **1.5 High School Credits**

Prerequisite(s): GC201 - Construction III

This is the final course in a series of four. The content will concentrate on fine tuning the major skills learned in the first three courses and add residential electrical and plumbing. A final building project will be included as well as an opportunity to job shadow or intern.

West-MEC

Medical Assisting

The Medical Assistant program prepares students to deliver vital care services alongside medical professionals, including assisting in office surgeries, performing lab tests, taking vital signs and managing medical front office operations by scheduling appointments, maintaining patient files, and creating records for insurance reimbursement. Courses meet two and one-half hours per day, Monday through Friday and may include summer clinical experiences. The program is located both at the West-MEC Northeast Campus, 1617 W. Williams Dr., Phoenix, AZ 85027.

MA101 – Medical Assistant Foundations I **1.5 High School Credits**

MA101 is the first course of the two-year Medical Assistant program, offered to high school juniors. The course provides students a foundation in the allied health services, including administrative/clinical skills, medical ethics, HIPAA, consent forms, structure of medical words, medical abbreviations, identify acronyms/symbols, patient scenarios, cells/tissues/organs/body systems, disease process, OSHA standards, hand washing, medical asepsis, vital signs, body temperature, pulse, respiration and prepare patient for physical exam.

MA102 – Medical Assistant Foundations II **1.5 High School Credits**

Prerequisite(s): MA101 - Medical Assistant Foundations

MA102 is the second course of the two-year program. The course allows students to apply learned skills in allied health services. Emphasis will be placed on ledgers/record, patient itemized monthly statements, insurance claims, procedural/diagnostic coding, insurance forms, insurance benefits, prior authorizations for medical services, diagnostic testing, clinic front office duties, electronic medical records, patient data collection, inventory control, patient charts, alphabetical/numerical filings, medical records and business correspondence, including schedules/appointments/referrals.

MA201 – Medical Assisting Services I **1.5 High School Credits**

Prerequisite(s): Completed first year of Medical Assistant program

MA201 starts the second year of the two-year medical assistant program. A high degree of knowledge and skill is necessary for this course. Subjects covered include medical record components, chart procedures, disease prevention techniques, waste management, sanitize/disinfect instruments, wrap instruments for autoclave, standard precautions, infection control, microbes classification, prepare treatment room, patient history/assessment, height/weight/head circumference, healthcare, EKGs & artifacts, holter monitor, spirometry, instruments, sterile pack, prepare patient for minor surgery, apply sterile gloves, sterile dressing change, suture removal, heat/cold applications, therapeutic ultrasound and casting applications – splints/crutches/canes/walkers/wheelchairs.

MA202 – Medical Assisting Services II **1.5 High School Credits**

Prerequisite(s): MA201 - Medical Assisting Services I

This final course of the two-year medical assistant program prepares students for college and career opportunities in the allied health services industry. Students are provided additional work-based learning opportunities in the area of drug classifications, common side effects, medication & immunization records, seven rights of medication administration, drug administration, writing prescriptions, diagnostic testing, lab safety procedures, urinalysis, blood components, skin puncture, culture preparation, throat culture specimen, microscope use, professional attributes, job readiness skills, interview skills, resumes and clinical internship.

West-MEC

Medical Information Systems

The Medical Information Systems program prepares students to oversee the accurate maintenance of electronic medical records of each patient, use computer programs to input and analyze data, and process insurance claims and reimbursements. Upon completion of the program, students have a wide choice of work environments, including health maintenance organizations, physicians' offices, hospitals, clinics, managed care facilities, insurance agencies, medical research centers, veterinary clinics, and dental offices.
Courses meet two and one-half hours per day, Monday through Friday, and may include an off-site externship experience. The program is located at the West-MEC Northeast Campus 1617 W. Williams Drive, Phoenix, AZ 85027.

MIS101 - Medical Information Systems I **1.5 High School Credits**

MIS101 is the first course of a one-year Medical Information Systems program offered to high school seniors. The course provides an overview of the medical model of healthcare and delivery in the U.S., public policy, professional roles, legal and regulatory issues, the Electronic Health Record (EHR), applicable computer systems, and current health reform initiatives in the U.S. The curriculum promotes competencies in health insurance and medical billing, health insurance contracts, claims processing, medical terminology, abbreviations and symbols, diagnostic and procedural coding, client eligibility and reimbursement processing.

MIS102 - Medical Information Systems II **1.5 High School Credits**

Prerequisite(s): MIS101 Medical Information Systems I

MIS102 is the second course of a one-year program. The course allows students to apply health data management systems in a clinical setting including: functions, content and structure of the health record, electronic collection, storage and analysis, healthcare data sets and applications in health information technology. Students acquire principles of medical quality assurance including: application of the International Classification of Diseases (ICD) coding system and the Healthcare Common Procedure Coding System (HCPCS), HIPAA regulations, organizational models, technologies and planning for a professional career in health care.

West-MEC

Medium/Heavy Diesel Technology

The Medium/Heavy Diesel Technology program meets two and one-half hours per day, Monday through Friday and may include a summer work internship between the junior and the senior years. The course will be held at the Freightliner, Sterling and Western Star of Arizona facility, located at 9899 W. Roosevelt St., Building B, Tolleson, AZ 85353 (on 97th Avenue between Roosevelt and Pierce).

MHD101 – Diesel Engine Core Curriculum **1.5 High School Credits**

MHD101 is the first course of the two-year Medium/Heavy Diesel Technology program, offered to junior students through a partnership with West-MEC (Western Maricopa Education Center). The course introduces diesel engine repair and maintenance, brakes, suspension and steering, electrical components and hydraulics.

MHD102 – Diesel Engine Maintenance **1.5 High School Credits**

Prerequisite(s): MHD101 - Diesel Engine Core Curriculum

MHD102 is the second course of the two-year Medium/Heavy Diesel Technology program. The course allows students to apply learned skills in the maintenance and repair of diesel engines, brakes, suspension and steering, electrical components and hydraulics. Emphasis will be placed on diagnosis and actual repair of these systems. In addition, students are prepared for job shadowing and internship experiences.

MHD201 – Diesel Electric/Electronic Systems **1.5 High School Credits**

Prerequisite(s): Completed first year of Medium/Heavy Diesel Technology program

MHD201 starts the second year of the two-year Medium/Heavy Diesel Technology program. A high degree of knowledge and skill is necessary for this course. Subjects covered include safety, tools, diesel engines, suspension and steering, brakes, electrical/electronic systems, preventative maintenance inspections, hydraulics, and Career and Technical Student Organizations (SkillsUSA). This course may extend beyond the regular school day due to internships.

MHD202 – Diesel Advanced Technologies **1.5 High School Credits**

Prerequisite(s): MHD201 - Diesel Electric/Electronic Systems

This final course of the two-year Medium/Heavy Diesel Technology program prepares students for the Automotive Service Excellence (ASE) certification exam. Students are provided additional work-based learning opportunities in the area of the maintenance and repair of diesel engines, brakes, suspension and steering, electrical components and hydraulics.

***** Upon completion of the two-year program, students may take the ASE Certification Exam.

West-MEC

Pharmacy Technician

The Pharmacy Technician program prepares students to deliver pharmacy services alongside licensed pharmacists within a pharmacy setting. This course will cover the fundamentals of the following: medical terminology, safety, pharmacy law, quality customer service, applied math, pharmacology, preparing prescription medications, administrative duties, inventory on all drugs to verify expiration dates and recalled items, operating cash register. Courses meet two and one-half hours per day, Monday through Friday, and may include an off-site shadowing experience. The program is located at the West-MEC Northeast Campus, 1617 W. Williams Dr., Phoenix, AZ 85027.

PT101 Pharmacy Technician I **1.5 High School Credits**

PT101 is the first course of a one-year Pharmacy Technician program offered to high school seniors. The course provides students a foundation in the allied health services, including administrative/clinical skills, medical ethics/pharmacy law, HIPAA compliance, medical terminology, applied math, pharmacology, OSHA Law and Regulations, and providing quality customer service.

PT102 Pharmacy Technician II **1.5 High School Credits**

Prerequisite(s): PT101 Pharmacy Technician I

PT102 is the second course of a one-year program. The course allows students to apply academic concepts in a pharmacy setting. Emphasis will be placed on processing prescriptions, reviewing physician orders for proper dosage, drug allergies, and incompatibilities, data processing for insurance purposes using computer hardware and software systems, acting as a liaison between the pharmacy and the physician's office for prescription requests and authorizations, counting tablets, labeling bottles, along with administrative functions such as: answering phones, stocking shelves, and taking inventory.

West-MEC

Precision Manufacturing

The Precision Manufacturing program prepares students for careers in the broad field of manufacturing as well as preparing students to move immediately into the Arizona Precision Manufacturing Apprenticeship Program and higher education. The Precision Manufacturing program prepares individuals to shape metal parts on machines such as lathes, grinders, drill presses, and milling machines. Included is instruction in making computations related to work dimensions, testing, feeds, and speeds of machines as well as using precision measuring instruments such as layout tools, micrometers and gauges. Also included is instruction in the operation and maintenance of computerized equipment. Students exiting this program will have a broad array of skills to prepare them for careers associated with manufacturing sectors such as aerospace, communications, electronics, medical devices, solar technology and more. The program is located at the West-MEC Central Campus, 6997 N. Glen Harbor Blvd., Glendale AZ 85307.

PM101—Precision Manufacturing Foundations 1 **1.5 High School Credits**

PM 101 is the first course of the two-year Precision Manufacturing program offered to high school juniors and seniors. This course provides students with a foundation in precision manufacturing. Skills to be learned include industrial safety, statistical process and control, blueprint reading, computer aided drafting and material properties.

PM102—Precision Manufacturing Foundations II **1.5 High School Credits**

Prerequisite: PM101 - Precision Manufacturing Foundations I

PM 102 is the second course of the two-year program. Skills to be learned in this course build upon those learned in the first course. These skills include technical math, lean manufacturing, solid programming, geometric dimensioning and tolerancing, and solid modeling

PM201—Intermediate Precision Machining **1.5 High School Credits**

Prerequisites: PM102 - Precision Manufacturing Foundations II

PM 102 starts the second year of the two-year Precision Manufacturing program. During this course students will do extensive work with precision manufacturing equipment. Skills to be gained during this course include machine processes, theory and application, basic machining, CNC programing and CNC mill operation

PM202—Advanced Precision Machining **1.5 High School Credits**

Prerequisites: PM201 Intermediate Precision Machining

The final course of the two-year Precision Manufacturing program prepares students to exit into the Arizona Precision Manufacturing Apprenticeship Program, higher education or the world of work. During the course students will obtain skills related to CNC lathe operation, CNC mill operation, and advanced machining. Students will also have the opportunity to participate in work-based learning.

West-MEC

Veterinary Sciences

The Veterinary Sciences program prepares students to deliver vital care services alongside veterinarian medical professionals for dogs, cats, exotics and exposure to large animals like horses. The experiences include assisting in the surgery room, intensive care unit (ICU), taking vital signs, nursing care for animals, clinical office operations, x-rays and imaging, facility safety and cleanliness, and a general care and exercise program for the animals. Courses meet two and one-half hours per day, Monday through Friday, and will be located at the West-MEC Northeast Campus, 1617 W. Williams Dr., Phoenix AZ 85027.

VS101 - Veterinary Sciences Foundations I **1.5 High School Credits**

This is the first course in a series of four. The course provides a foundation in Veterinary Sciences including the following: veterinary terminology, anatomy and physiology, examination procedures, pharmacy and pharmacology, vaccinations, basic animal nursing and care, and safety.

VS102 - Veterinary Sciences Foundations II **1.5 High School Credits**

Prerequisite(s): VS101 - Veterinary Science Foundations I

This is the second course in a series of four. The course will cover the following: lab procedures, radiology and ultra sound, small animal nursing, office and hospital clinic procedures, business and administration in a clinic, and hospital safety.

VS201 - Veterinary Assistant Services I **1.5 High School Credits**

Prerequisite(s): VS102 - Veterinary Science Foundations II

This is the third course in a series of four. The course will include the following: laboratory record keeping, dentals, emergency care, surgical preparation and assisting, large animal introduction, front desk operations and customer relations, exam room set up and operation.

VS202 – Veterinary Assistant Services II **1.5 High School Credits**

Prerequisite(s): VS201 - Veterinary Assistant Services I

This is the final course that includes rotation through all aspects of the Veterinary clinic (30 hours in 8 major departments), a final project and preparation for any certifications.

West-MEC

Welding Technology

The Welding Technology Program prepares students for careers in the welding industry by focusing on incremental levels of competency based training. In addition to welding safety practices, the individual will be introduced to the common welding processes used throughout many parts of the industry such as SMAW (Stick welding), GMAW (MIG welding), FCAW (Flux cored arc welding), GTAW (TIG welding) and Oxy-fuel cutting. Included is instruction in blue print reading, weld symbol interpretation, basic metallurgy, weld quality, base metal preparation, and joint fit-up and alignment. Instruction also includes machine set-up, filler material selections and basic equipment maintenance.

The program starts with plate and structural welding progressing to pipe and tubing configurations which prepares the student for a broad array of industry sectors such as pipeline, shipyard, power plant, buildings, bridges and aerospace applications. The program meets two and one-half hours per day, Monday through Friday at both the West-MEC Central Campus, 6997 N. Glen Harbor Blvd., Glendale, AZ 85307 and at Cortez High School, 8828 N. 31st Ave., Phoenix, 85051 (Dunlap Ave and 31st Ave).

WLD 101- SMAW Plate Welding **1.5 High School Credits**

WLD 101 is the first course of the two-year Welding Program offered to high school junior and seniors. This course provides students with a foundation in welding technology. Skills to be learned include welding safety, blue print reading, weld symbol interpretation, thermal cutting, SMAW beads and fillets, SMAW Grooves with backing.

WLD 102 – GMAW/FCAW and GTAW Plate Welding **1.5 High School Credits**

Prerequisite: WLD101 - SMAW Plate Welding

WLD 102 is the second course of the two-year program. Skills to be learned in this course build upon those learned in the first course. These skills include weld quality, base metal preparation, GMAW/FCAW plate welding, and GTAW plate welding.

WLD 201- SMAW Pipe Welding **1.5 High School Credits**

Prerequisites: WLD102 - GMAW/FCAW and GTAW Plate Welding

WLD 201 starts the second year of the two-year welding program. During this course students will be introduced to basic metallurgy, preheat and post heating of welds, SMAW pipe welding with backing and SMAW pipe welding without backing (open root). Students will also complete the American Welding Society SENSE school final competencies which will earn them industry certifications as a Level 1 Entry Welder.

WLD 202 – GMAW/FCAW and GTAW Pipe Welding **1.5 High School Credits**

Prerequisites: WLD201 - SMAW Pipe welding

WLD 202 is the final course of the two-year welding program. Skills to be gained during this course relate to pipe and tubing welding using the GMAW/FCAW and GTAW processes. Students will be prepared to enter the welding industry with pipe welding theory and skills which will be advantageous in securing internships and apprenticeships.