

PUSD HIGH SCHOOL COURSE OFFERING & DESCRIPTION GUIDE

"Every student, every day, prepared to shape tomorrow."



Education Services

Chief Instructional Officer
Steve Savoy
Executive Assistant – Jenifer Hogg

MET – Open Enrollment – School Resource Officers – Safety - Travel – Truancy

Executive Director
John Croteau

Executive Director
Linda Thompson

Executive
Director Ali
Bridgewater

Education Services Secretaries - Donna Keller, Cindi Bryant

High Schools	Elementary Schools	Elementary Schools
Cactus	Cactus Cluster	Centennial
Centennial	Canyon	Desert Harbor
Ironwood	Foothills	Ira A. Murphy
Liberty	Kachina	Oasis
Peoria Flex Academy	Oakwood	Paseo Verde
Peoria	Pioneer	Sundance
Raymond S. Kellis	Ironwood Cluster	Liberty Cluster
Sunrise Mountain	Copperwood	Lake Pleasant
	Desert Palms	Sunset Heights
	Desert Valley	Vistancia
	Heritage	Zuni Hills
	Marshall Ranch	Raymond S. Kellis
	Sahuaro Ranch	Alta Loma
	Peoria Cluster	Cotton Boll
	Alta Loma	Country
	Cheyenne	Sun Valley
	Peoria	Sunrise Mountain
	Santa Fe	Apache
	Sky View	Coyote Hills
		Frontier
		Parkridge
		Peoria Traditional School

Programs	Programs	Programs
Athletics	Aspiring Administrators	Elementary Handbook
AVID	Community Preschool	Nurses
CTE	International	Summer School
Guidance	Signature	
Graduation		
High School Handbooks		
JAG		
Student Activities		

Programs Executive Directors Share

301 Site Plans – Education Services Meetings – Goal Setting & Review Process – Long Term Hearing Officer – Master Schedules –
Monitoring Quality Instruction – Promotion/Intervention Protocol – School Safety – Teacher Evaluation

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GENERAL GUIDELINES

Non-Discrimination

Annual Public Notice of Nondiscrimination

Peoria Unified School District does not discriminate on the basis of race, color, national origin, sex, age, or disability in admission to its programs, services, or activities and provides equal access to the Boy Scouts and other designated youth groups. The Peoria Unified School District's Career and Technical Education (CTE) department does not discriminate in enrollment or access to any of the CTE programs available, such as Business, Marketing & Management, Communication & Information Systems, Environmental & Agriculture Systems, Health Services, Human Services & Resources, and Industrial, Manufacturing & Engineering Systems. For more information on program prerequisites, please see the Course Description Guide [here](#). The lack of English language skills shall not be a barrier to admission or participation in the district's activities and programs. The Peoria Unified School District also does not discriminate in its hiring or employment practices. The following person has been designated to handle inquiries regarding the nondiscrimination policies:

Ms. Kelly Glass, Executive Director of Exceptional Student Services
Peoria District Administration Center
6330 West Thunderbird Road
Glendale, Arizona 85306
623-486-6068

Notificación Pública Annual de No Discriminación

El Distrito Escolar Unificado de Peoria no discrimina en base a raza, color, origen nacional, sexo, edad o discapacidad en la admisión a sus programas, servicios o actividades y proporciona igual acceso a los Boy Scouts y otros grupos juveniles designados. El Departamento de Educación Profesional y Técnica (CTE) del Distrito Escolar Unificado de Peoria no discrimina en la inscripción o el acceso a cualquiera de los programas de CTE disponibles, tales como Negocios, Marketing y Gestión, Sistemas de Comunicación e Información, Sistemas Ambientales y de Agricultura, Servicios de Salud, Servicios y Recursos, y Sistemas Industriales, de Manufactura e Ingeniería. Para obtener más información sobre los requisitos del programa, consulte la Guía de descripción del curso aquí. La falta de habilidades en el idioma inglés no será una barrera para la admisión o participación en las actividades y programas del distrito. El Distrito Escolar Unificado de Peoria tampoco discrimina en sus prácticas de contratación o empleo. La siguiente persona ha sido designada para manejar las consultas relacionadas con las políticas de no discriminación:

Ms. Kelly Glass, Executive Director of Exceptional Student Services
Peoria District Administration Center
6330 West Thunderbird Road
Glendale, Arizona 85306
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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 trancies 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 Peoria 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. However, students who choose to take any elective course that requires the use of expendable materials will be charged a fee to cover the cost of materials. The administration may waive the assessment of all or part of the fee upon request if it creates an economic hardship. Requests can be made to the administration during registration or throughout the school year.

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, Spiritline, JROTC, and Robotics

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 three 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 four accredited classes per semester. Seniors are expected to be enrolled in three classes first semester and those remaining classes that are needed to graduate second semester. Individual circumstances may be reviewed by school administration.

Note: Students designated as special education students may be exempt from this policy if indicated on an IEP.

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 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 (effective with the Class of 2013).

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 Peoria 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. To assist in this goal, the District has developed the MyLife Career Development program that prepares all students with the life, college and career skills needed for post-secondary success (<http://www.peoriaunified.org/Page/268>). Not only will a student's course work be tailored to meet his/her educational and career goals, but also additional career exploration and planning will be provided through the Guidance Department. 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 and is supported by the Career Center. Students are encouraged to build upon their Electronic Portfolio in AzCIS <http://azcis.intocareers.org>. In the AzCIS Planner 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.

Special Placement Courses

Students may not automatically enroll in English Essentials or English I with Extension, or Algebra I-Block, Honors, or AIM courses. Placements in these courses require that the student meet specific eligibility criteria. The criteria are based upon testing and teacher recommendations. Students with individual questions regarding special placement should see their counselor.

Course Credits

1. A unit of credit is granted for work completed in a subject meeting one period daily for a full semester. (Underclassmen are expected to enroll in four classes per semester.)
2. If credit deficiencies exist, the following options are available:
 - a. Summer School
 - b. Correspondence Courses (max. 4 credits)
 - c. PASS Classes (max. 2 credits)
 - d. School/ Community Service Program (max. 2 credits)
 - e. Peoria Flex Academy
 - f. Extended Learning Programs
 - g. PUSD eCampus

PUSD Credit Requirements for Graduation

Graduating Class of 2013 and beyond

English	4
Algebra I or equivalent	1❖
Algebra II or equivalent	1❖
Geometry or equivalent	1❖
Additional Math (from elective course column)	1
Science	3*
Physical Education	1**
Arizona/US History	1
Arizona/US Government	$\frac{1}{2}$
American Economics OR Economics & the World of Finance OR Entrepreneurship OR Adv. Marketing & Lab	$\frac{1}{2}$
World History	1
Fine Arts or Career & Technical Ed.	1
Total	16
Electives	12
Total Credits Required for Graduation	28

❖ Peoria Unified School District's **Algebra I, Algebra II, and Geometry** courses are 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 a PUSD elementary school, Algebra I, Algebra II, and Geometry credit will be transferred to high school, but will not affect high school GPA.

* Agricultural Science I is an approved science that satisfies science lab credit.

** Band/Marching or A.J.R.O.T.C. may be substituted for one credit of required Physical Education. (Personal Fitness, Adaptive PE)

Credits earned through correspondence courses shall be taken from a regionally accredited institution in order to meet graduation requirements and must be approved by administration in advance.

Students must meet all requirements before they will be permitted to participate in the commencement ceremonies. Students who wish to graduate at mid-term are urged to visit their counselor well in advance of completing their graduation requirements. All high school students must comply with the following minimum requirements:

- A. Students must take four PUSD classes per semester that provide credit toward graduation. The principal may allow a graduating senior to enroll in less than four credit classes per semester.
- B. Students must meet the graduation requirements of the Peoria Unified School District and the State of Arizona.
- C. Students transferring from a Traditional six period schedule to the four period block schedule used in the District must meet the requirements set forth in this conversion table.

# of Semesters Completed at the Time of Transfer	1	2	3	4	5	6	7	8
Credits Needed to Graduate	27	26	25	25	24	24	23	23

The graduation plan must meet the State of Arizona course requirements. Students who transfer from other types of credit systems will have their graduation requirements determined based upon the number of credit opportunities, curriculum considerations, and credit reciprocity. The Principal shall have the final approval on graduation requirements for transferring

students. Students who transfer to PUSD once the semester has already begun will be afforded the opportunity to prove mastery of course material for the courses in which they enrolled upon completion of that semester. This mastery may be proved in a number of ways such as District benchmark exams, end of the course assessments, etc. The decision to award credit for these courses will lie solely with the Principal.

- D. 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.

High School Graduation Requirement

Students must meet all requirements before they will be permitted to participate in the commencement ceremonies. Students who wish to graduate at mid-term are urged to visit their counselor well in advance of completing their graduation requirements. All high school students must comply with the following minimum requirements:

- Students must take four PUSD classes per semester that provide credit toward graduation. The principal may allow a graduating senior to enroll in less than four credit classes per semester.
- Students must meet the graduation requirements of the Peoria Unified School District and the State of Arizona.

GRADUATION REQUIREMENT MODIFICATION

# of Semesters Completed Outside of PUSD	1	2	3	4	5	6	7	8
Credits Needed to Graduate	2	2	2	2	2	2	2	23
	7	6	5	5	4	4	3	

Students who transfer from other types of credit systems will have their graduation requirements determined based upon the number of credit opportunities, curriculum considerations, and credit reciprocation. Modification should only be used for students who have not had the same credit opportunities as PUSD students. The Principal shall have the final approval on graduation requirements for transferring students.

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.

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 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>

**ARIZONA TRI-UNIVERSITY ADMISSION
STANDARDS**

ABOR Policy 2-102: Undergraduate Admission Requirements (Fall 2006)

Assured Admission for Residents of Arizona

FRESHMEN <i>(Less than 24 transfer credits)</i>	TRANSFER STUDENTS <i>(24 or more transfer credits)</i>
<ul style="list-style-type: none"> • Class Rank: Top Quarter (25%) <i>and</i> • Satisfactorily complete all core competency areas <p align="center"><u>Core Competency Areas</u> English, Mathematics, Laboratory Science, Social Science, Foreign Language and Fine Arts.</p>	<ul style="list-style-type: none"> • GPA: Minimum 2.5 (4.0 scale) on a minimum 24 transferable credits in basic academic subjects <i>and</i> • Satisfactorily complete all core competency areas <p align="center">OR</p> <ul style="list-style-type: none"> • Complete the Arizona General Education Curriculum (AGEC) or an associate degree with a minimum 2.0

Delegated Admission for Resident and Non-Resident Students

FRESHMEN	TRANSFER STUDENTS
<ul style="list-style-type: none"> • Class Rank: Second Quarter (26-50%) <i>or</i> • GPA: have a 2.5 GPA on a 4.0 scale <i>and</i> • Core Competencies: No more than one deficiency in two areas, except both not in mathematics and laboratory sciences 	<p align="center"><u>Non-Residents</u></p> <ul style="list-style-type: none"> • GPA: Minimum 2.5 on 24 transferable credits <i>and</i> • Core Competencies: No more than one deficiency in two areas, except both not in mathematics and laboratory sciences

ARIZONA STATE UNIVERSITY www.asu.edu

NORTHERN ARIZONA UNIVERSITY www.nau.edu

UNIVERSITY OF ARIZONA www.arizona.edu

STATE UNIVERSITY ADMISSION

ACADEMIC COMPETENCY REQUIREMENTS

- Competency may be demonstrated by 16 core courses from high school or the appropriate college courses within each subject area. In some cases, ACT or SAT scores may be used to satisfy competencies. Please refer to ABOR Policy 2- 102 :
- A minimum GPA of 2.0 is required for each competency (subject) area.
- All FIRST YEAR and TRANSFER students with a combination MATH/LABORATORY SCIENCE deficiency are not admissible.

SUBJECT AREAS	HIGH SCHOOL CORE COURSES	COLLEGE COURSE WORK
ENGLISH 4 units (Composition or Literature)	English I English II English III English IV	<ul style="list-style-type: none"> • One 3-credit English course
MATH 4 units	Algebra I Geometry Algebra II Advanced Math (Alg II Prereq)	<ul style="list-style-type: none"> • One 3-credit College Algebra course (for which at least intermediate Algebra, or its equivalent, is a prerequisite).
LABORATORY SCIENCE 3 units	One unit in at least three of the four areas (Biology, Chemistry, Physics, Earth Science) An advanced level, e.g. advanced placement (AP) or honors course in a lab science completed previously can be used for a third unit.	<ul style="list-style-type: none"> • 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).
SOCIAL SCIENCE 2 units	One unit of American History and one additional unit of any combination of 2 semesters of social science such as: European/World History, Economics, Sociology, Geography, Government, Psychology, Anthropology, or Philosophy	<ul style="list-style-type: none"> • One 3-credit transferable American History course and • One 3-credit social science course such as: European History, World History, Economics, Sociology, Geography, Government, Psychology, Anthropology, or Philosophy
FOREIGN LANGUAGE 2 units	Two units of same foreign language	<ul style="list-style-type: none"> • Two 3-credit courses in the same foreign language
FINE ARTS 1 unit	One unit of fine arts or any combination of 2 semesters of fine arts	<ul style="list-style-type: none"> • One 3-credit fine arts course

PUSD GUIDANCE & COUNSELING WEBSITE

Go to: <http://www.peoriaunified.org/domain/93>

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 and coaches 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's include 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. Full credit will be awarded at the end of the course. *Note:* Full year A/B courses would be an exception to the rule. In a full year A/B course, ½ credit grade in progress would be awarded at the end of the first semester and ½ credit grade in progress awarded at the end of the second semester.

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

90 – 100%	A	Excelling
80 – 89%	B	Highly Performing
70 – 79%	C	Performing
60 – 69%	D	Under Performing
0 – 59%	F	Failing
	I	Incomplete
	NC	Audit
	W	Withdrawal
	P	Pass
	IP	In Progress

In order to earn credit in the course AND be eligible for enrollment in the next course a student must meet the following criteria:

- ***Non-Core Course***
 1. Students must achieve a grade of 60% or higher as a final grade.
 2. Students must meet all prerequisite criteria listed in the *High School Course Offering and Description Guide*.
- ***Core Courses (This applies only to Language Arts, Mathematics, and Science. See list on page 12)***
 1. Students must achieve a grade of 70% or higher as a final course grade or on the course assessment in courses included in the Core Course List Addendum. This list may be reviewed annually and updated as appropriate. If a student who has earned a 60-69% in a course scores a 70% or higher on the course assessment, the original course grade will be changed to a 70% to reflect competency.
 2. Students must meet all prerequisite criteria listed in the *High School Course Offering and Description Guide*.
- ***Arizona State Board Subject Areas Required for Graduation***
 1. Students must achieve a grade of 70% or higher in one Fine Arts or Career and Technical Education course.
- ***Examples of Options For Students Earning 60-69% in Core Courses***

Each school has a list of possible intervention strategies for students who earn 60-69% as the final course grade in a course included on the District approved Core Course list. *Students who successfully complete an extended learning program will receive a grade of 70% to replace the original grade. Core academic credit will be awarded to replace elective credit. The teachers and administrators involved will verify that the student has fulfilled all requirements for the grade change.*

HIGH SCHOOL CORE COURSES

✓ Indicates implementation of 70% requirement for the current school year.

** **Elective within a core academic area** (students not choosing to move on to the next level course can pass with a 60-69%)

+ **Honors, AP and AIM** course (students who earn below 70% will not be eligible to take the next level *honors* course, but could enroll in a non-honors course)

LANGUAGE ARTS	SCIENCE	MATH	SOCIAL STUDIES
Beginning SEI ✓	Biology ✓	Foundations of Algebra	World History
Intermediate SEI ✓	+ AP Biology H	Algebra I ✓	AZ/US History
Advanced SEI ✓	+ AIM Chemistry H	Algebra I w/Extension ✓	American Economics
Foundations of English	+ AIM Biology H	Geometry or ✓	AZ/American Government
English Essentials ✓		+ Geometry H +	+ AIM Global Humanities
English I w/Extension ✓		+ Algebra II (year-long) ✓	+ AIM World History & Geography H
English I ✓		+ Algebra II	
English II ✓		College Mathematics	
English III		+ Adv. Algebra H	
+ English I H		** College Algebra H	
+ English II H		+ Pre-calculus H	
+ English III H		+ AP Calculus I H	
+ AIM English I H		+ AP Calculus II H	
+ AIM English II H		** Discrete Mathematics	
		** Brief Calculus	

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 elective class to another elective class may not be made after the fifth class of any term unless a change is a result of an error in placement.

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 grade in progress. 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 grade in progress without that class appearing on the student's transcript. Students enrolled in A/B courses may request to drop a class two weeks after the second grade in progress. 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 Peoria 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. The GPA is calculated on a non-inflated basis. Grade points are provided for each grade as follow:

<u>Grade</u>	<u>Grade Points</u>
A	4
B	3
C	2
D	1
F	0

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

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

Credits taken after the eighth grade promotion will be reflected on the high school transcript and will be figured into the student's GPA with the exception of Special Education courses, student assistant, the P.A.S.S. program, the alternative program, pass/fail courses and community service credit. Regular high school courses taken at the elementary level, prior to eighth grade promotion, will be noted on the student's transcript, but will not be figured into the student's high school GPA.

Cumulative Difficulty Weight

The Cumulative Difficulty Weight (CDW) is a measure of the overall rigor of a student's course load compared to that of other students and is utilized to determine class ranking for college entrance and scholarship opportunities.

To determine the CDW, the following weights are given:

$$\begin{aligned}\text{Honors credits} &= 1.33 \\ \text{Regular credits} &= 1.00\end{aligned}$$

The prescribed load for students is four credits for the first six semesters completed, two credits for semester seven, and two credits for semester eight. The prescribed load for each grade level is as follows;

1 st	semester freshman	4
2 nd	semester freshman	8
1 st	semester sophomore	12
2 nd	semester sophomore	16
1 st	semester junior	20
2 nd	semester junior	24
1 st	semester senior	26
2 nd	semester senior	28

To calculate the CDW for a student who takes the prescribed number of credits, you multiply the number of regular credits times 1.0 plus the number of honors credits times 1.33 and divide by the prescribed load. The formula will be:

$$\frac{1.33 (\# \text{honors credits}) + 1.0 (\# \text{regular credits})}{\text{prescribed load}}$$

For students who take more than the prescribed load, the following slide scale weight times the number of credits is added to the numerator:

For the 1 st additional credit over the prescribed load	.25
For the 2 nd additional credit over the prescribed load	.125
For the 3 rd additional credit over the prescribed load	.0625

The formula would be:

$$\frac{1.33 (\# \text{honors credits}) + 1.0 (\# \text{regular credits}) + .25 (1) + .125 (1) + .0625(1)}{\text{prescribed load}}$$

Only credits taken after eighth grade promotion will be used when calculating the student's CDW. Special Education courses, student assistant assignments, the P.A.S.S. program, the alternative program, as well as high school courses taken at the elementary level will be noted on the transcript, but will not be used when calculating a student's CDW.

The Class Rank Index

The purpose of ranking students according to academic standing is to provide information requested by post-secondary institutions to determine acceptance and scholarship opportunities.

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

$$\text{CRI} = \text{GPA} \times \text{CDW}$$

Students are ranked by percentile rather than individual slots in an effort to maximize the number of students eligible for admission and Regent Scholarships. In a graduating class of 400, the top 4-6 students will be ranked as the top 1% rather than 1, 2, 3, 4 out of 400; the next 4-6 students will be ranked as the top 2%, and so on. Percentile rankings align with the information requested by most universities. Colleges and universities that require specific numerical ranking may also request that data.

HONORS GUIDELINES

PUSD's Accelerated Integrated Model (AIM)

Students who wish to be candidates for the AIM program may be placed in the screening pool by any of the following means:

1. Teacher/counselor nomination
2. Successful participation in an elementary program for gifted students
3. Evidence of giftedness consistent with legal definition
4. Academic rank in the top 10% of class
5. Self-nomination

All students identified in the screening process will be given the Cognitive Abilities and/or Differential Aptitude Test(s). Those who score at or above the ninety-seven percentile (97%) on the verbal section will be eligible for placement in the English/Global Humanities program; those who score at or above the ninety-seven (97%) on the quantitative section will be eligible for placement in the science program. Students who were placed into elementary gifted programs based on state approved aptitude tests may use those scores for placement.

Students who score at or above the ninety-second percentile (92%) in any sub-test of the Cognitive Abilities and/or Differential Aptitude Test(s) are eligible for administrative review. Students who score below the ninety-second percentile (92%) but are highly committed to the special challenges of AIM courses and experiences may also petition for a review. The review committee will evaluate each of these students on an individual basis to develop a comprehensive view of the student's attitudes, needs, work pattern, and potential. The review process may include, but will not be limited to, additional testing, interviews, writing, and other work samples. Some students may be placed in courses temporarily to determine whether the students and the unique instructional design of AIM are a good match.

Students should consistently perform at A, B, or C level to maintain placement in an AIM course. A grade of D or F will signal the need for a review process including a parent conference. Once selected for AIM courses, the students' right of continued enrollment is assumed so long as he/she demonstrates the minimal competency required for the courses.

Honors Entrance and Maintenance Requirements

Candidates for initial honors placement shall have:

1. Previously qualified for gifted services based on state standards in the verbal or quantitative areas or,
2. Percentile rank test scores of ninety-five (95%) or above on the reading, language, and math portions of a nationally-named achievement test or,
3. Fulfilled the prerequisites for the content, e.g., Integrated Advanced Geometry (H) is a prerequisite for Integrated advanced Algebra (H) 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 3.2 or better
2. Enrollment in three 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.

Diploma Endorsements

Students may elect to pursue two types of endorsements to be added to the regular high school diploma: the Distinguished Scholar Endorsement and a Mastery of Subject Area Endorsement. All endorsements will be listed on the regular diploma and transcript indicating the student's academic achievements. A student may earn one distinguished Scholar Endorsement and numerous Mastery of Subject Area Endorsements.

A Distinguished Scholar Endorsement is based upon the following:

- Complete a minimum of 12 Honors/AP courses.
- Maintain a minimum of a 3.5 non-weighted GPA
- Complete a research design portfolio project based on the District's adopted exit outcomes and specific criteria.
- Defend the portfolio project demonstrating academic excellence

A Mastery of Subject Area Endorsement is designed for students who are highly competent within designated subject areas. The criteria are as follows:

- Complete all prescribed courses within their designated subject area
- Maintain the defined minimum GPA within the designated subject area
- Demonstrate a high level of competency on performance-based course assessments
- Meet all program and course outcomes established by the designated department and obtain final approval from the curriculum lead or designee

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; **concurrent enrollment is prohibited.**

LANGUAGE ARTS

CORE COURSES

Beginning SEI	◆2 Credits
Intermediate SEI	◆2 Credits
Advanced SEI	◆2 Credits
Foundations of English	◆2 Credits
English Essentials	◆2 Credits
English I w/Extension	◆2 Credits
English I ☐ OR English I H	1 Credit
AIM English I H	1 Credit
English II ☐ OR English II H ☐	1 Credit
AIM English II H	1 Credit
English III ☐ OR English III H ☐	1 Credit
English III Applications H	1 Credit
AIM American Literature H	1 Credit
IB English III H	1 Credit
English IV ☐ OR English IV H OR College Prep H 🎓	1 Credit
English IV Applications H 🎓	1 Credit
AP Composition & Literature H 🎓	1 Credit
IB English IV H	1 Credit
AP English Lang. & Comp	1 Credit

ELECTIVE COURSES

Creative Writing ☐	½ Credit
Exploring Communication	1 Credit
Oral Interpretation	1 Credit
Journalism	1 Credit
Newspaper	1 Credit
Yearbook	1 Credit
Multicultural Literature & Composition	1 Credit

◆ Upon successful completion of these courses, students receive one elective and one academic credit.

100901/100902 BEGINNING SEI

Prerequisites: District placement
2 Credits:
1 Elective Credit
1 Academic Credit

Beginning Structured English Immersion (SEI) is open only to students, typically first year language learners, who meet eligibility criteria. Instruction emphasizes basic English skills in conversation, academic vocabulary, reading, writing, and grammar. Students who earn below 70% will not be eligible to take the next level course.

100911/10912 INTERMEDIATE SEI

Prerequisites: District placement
2 Credits:
1 Elective Credit
1 Academic Credit

Intermediate Structured English Immersion (SEI) is open only to students who meet eligibility criteria. This course is typically designed for second year language learners with limited English language skills. Instruction emphasizes the development of conversation, academic vocabulary, reading, writing, and grammar. Students who earn below 70% will not be eligible to take the next level course.

100921/100922 ADV. SEI

Prerequisites: District placement
2 Credits:
1 Elective Credit
1 Academic Credit

This advanced Structured English Immersion (SEI) course is open only to students, typically third year language learners, who meet eligibility criteria. Instruction emphasizes English language arts, reading, writing, and grammar. Students who earn below 70% will not be eligible to take the next level course.

30100941/30100942 PBS FOUNDATIONS OF ENGLISH

Prerequisites: District placement
2 Credits:
1 Elective Credit
1 Academic Credit

This course focuses on small group instruction designed to improve a student's basic reading skills with focused interventions in the areas of phonemic awareness, reading fluency, vocabulary, reading comprehension and basic writing skills. Students earn one elective and one English credit. Students are provided behavioral interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

31100941/31100942 LSC FOUNDATIONS OF ENGLISH

Prerequisites: District placement
2 Credits:
1 Elective Credit
1 Academic Credit

This course focuses on small group instruction designed to improve a student's basic reading skills with focused interventions in the areas of phonemic awareness, reading fluency, vocabulary, reading comprehension and basic writing skills. Students earn one elective and one English credit. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a highly qualified special education teacher.

LANGUAGE ARTS

32100941/32100942 LS FOUNDATIONS OF ENGLISH

Prerequisites: District placement

2 Credits:

1 Elective Credit

1 Academic Credit

This course focuses on small group instruction designed to improve a student's basic reading skills with focused interventions in the areas of phonemic awareness, reading fluency, vocabulary, reading comprehension and basic writing skills. This course is specifically designed to align to the State alternate assessment standards. Students earn one elective and one English credit. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

100951/100952 ENGLISH ESSENTIALS

Prerequisites: Meets eligibility criteria

2 Credits:

1 Elective Credit

1 Academic Credit

English Essentials is a highly structured time-extended course for students who have not met the placement requirements for English I with Extension. Students earn one elective and one English credit. Emphasis is placed on general learning strategies; reading, decoding, and comprehension strategies; and basic writing development (grammar, mechanics, paragraph construction). Students who earn below 70% will not be eligible to take the next level course.

30100951/30100952 PBS ENGLISH ESSENTIALS

Prerequisites: Meets eligibility criteria

2 Credits:

1 Elective Credit

1 Academic Credit

English Essentials is a highly structured time-extended course for students who have not met the placement requirements for English I with Extension. Students earn one elective and one English credit. Emphasis is placed on general learning strategies; reading, decoding, and comprehension strategies; and basic writing development (grammar, mechanics, paragraph construction). Students who earn below 70% will not be eligible to take the next level course. Students are provided behavioral interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

31100951/31100952 LSC ENGLISH ESSENTIALS

Prerequisites: Meets eligibility criteria

2 Credits:

1 Elective Credit

1 Academic Credit

English Essentials is a highly structured time-extended course for students who have not met the placement requirements for English I with Extension. Students earn one elective and one English credit. Emphasis is placed on general learning strategies; reading, decoding, and comprehension strategies; and basic writing development (grammar, mechanics, paragraph construction). Students who earn below 70% will not be eligible to take the next level course. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a highly qualified special education teacher.

32100951/32100952 LS ENGLISH ESSENTIALS

Prerequisites: Meets eligibility criteria

2 Credits:

1 Elective Credit

1 Academic Credit

English Essentials is a highly structured time-extended course. This course is specifically designed to align to the State alternate assessment standards. Emphasis is placed on general learning strategies; reading, decoding, and comprehension strategies; and basic writing development (grammar, mechanics, and paragraph construction) based on each student's ability level. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

101001/101002 ENGLISH I w/ Extension

Prerequisites: Meets eligibility criteria

2 Credits:

1 Elective Credit

1 Academic Credit

English I (Extension) is a highly structured time-expanded course (two semesters) for those students who have not met the placement requirements for English I. Students who score at the English I competency level on the course assessment will earn one elective and one English I credit. The curriculum for this course is the same as English I with the modification of an extended time for instructional delivery and skill development. Thematic units introduce students to the foundational process skills and knowledge necessary to meet District and State graduation requirements in Language Arts. Emphasis is on understanding the structures and processes fundamental to reading and writing. Students who earn below 70% will not be eligible to take the next level course.

30101001/30101002 PBS ENGLISH I w/ Extension

Prerequisites: Meets eligibility criteria

2 Credits:

1 Elective Credit

1 Academic Credit

English I (Extension) is a highly structured time-expanded course (two semesters) for those students who have not met the placement requirements for English I. Students who score at the English I competency level on the course assessment will earn one elective and one English I credit. The curriculum for this course is the same as English I with the modification of an extended time for instructional delivery and skill development. Thematic units introduce students to the foundational process skills and knowledge necessary to meet District and State graduation requirements in Language Arts. Emphasis is on understanding the structures and processes fundamental to reading and writing. Students who earn below 70% will not be eligible to take the next level course. Students are provided behavioral interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

LANGUAGE ARTS

31101001/31101002 LSC ENGLISH I w/

Extension

Prerequisites: Meets eligibility criteria

2 Credits:

- 1 Elective Credit
- 1 Academic Credit

English I (Extension) is a highly structured time-expanded course (two semesters) for those students who have not met the placement requirements for English I. Students who score at the English I competency level on the course assessment will earn one elective and one English I credit. The curriculum for this course is the same as English I with the modification of an extended time for instructional delivery and skill development. Thematic units introduce students to the foundational process skills and knowledge necessary to meet District and State graduation requirements in Language Arts. Emphasis is on understanding the structures and processes fundamental to reading and writing. Students who earn below 70% will not be eligible to take the next level course. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a highly qualified special education teacher.

32101001/32101002 LS ENGLISH I w/

Extension

Prerequisites: Meets eligibility criteria

2 Credits:

- 1 Elective Credit
- 1 Academic Credit

English I (Extension) is a highly structured time-expanded course (two semesters). This course is specifically designed to align to the State alternate assessment standards. Students who pass the modified course assessment will earn one elective and one English I credit. Students are exposed and/or introduced to the English foundational process skills and knowledge through the use of thematic units. Emphasis is on an introduction to the structures and processes fundamental to reading and writing based on each student's ability levels. Students will have access to the general curriculum which has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

10100 ENGLISH I

Prerequisites: Meets eligibility criteria

1 Credit

This course is required for graduation. It is the first step in an integrated sequence of instruction in the language arts state standards. Thematic units introduce students to the foundational process skills and knowledge necessary to meet District and State graduation requirements in Language Arts. A variety of short selections, both expressive-descriptive and informative-expository, will be analyzed. The research process and the formal essay will be introduced. Students who earn below 70% will not be eligible to take the next level course.

3010100 PBS ENGLISH I

Prerequisites: Meets eligibility criteria

1 Credit

This course provides an integrated sequence of instruction in the language arts state standards. Thematic units introduce students to the foundational process skills and knowledge necessary to meet District and State graduation requirements in Language Arts. A variety of short selections, both expressive-descriptive and informative-expository, will be analyzed. The research process and the formal essay will be introduced. Students who earn below 70% will not be eligible to take the next level course. Students are provided behavioral interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

3110100 LSC ENGLISH I

Prerequisites: Meets eligibility criteria

1 Credit

This course provides an integrated sequence of instruction in the language arts state standards. Thematic units introduce students to the foundational process skills and knowledge necessary to meet District and State graduation requirements in Language Arts. A variety of short selections, both expressive-descriptive and informative-expository, will be analyzed. The research process and the formal essay will be introduced. Students who earn below 70% will not be eligible to take the next level course. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a highly qualified special education teacher.

3210100 LS ENGLISH I

Prerequisites: Meets eligibility criteria

1 Credit

This course provides an integrated sequence of instruction in the language arts alternative state standards. This course is specifically designed to align to the State alternate assessment standards. Thematic units introduce students to the English foundational process skills and knowledge. Students will be exposed and/or introduced to a variety of short selections, both expressive-descriptive and informative-expository. Students will also be exposed to the research process and the formal essay based on their ability levels. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

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35101001/35101002 ISC ENGLISH I ELECTIVE/ACADEMIC

Prerequisites: Meets eligibility criteria
1 Credit

This course provides an integrated sequence of instruction in the language arts state standards. Thematic units introduce students to the foundational process skills and knowledge necessary to meet District and State graduation requirements in Language Arts. A variety of short selections, both expressive-descriptive and informative-expository, will be analyzed. The research process and the formal essay will be introduced. Students who earn below 70% will not be eligible to take the next level course. Students are provided social, communication, and sensory interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

10140 ENGLISH I H

Prerequisites: Meets eligibility criteria
1 Credit

This course fulfills regular English I graduation requirements. It includes the required reading, writing, speaking, and listening state standards as described in English I, but emphasizes the formal essay, the analysis of literary forms, and the research process. Independent reading and writing will be required. This course is only open to students who meet eligibility criteria. Students who earn below 70% will not be eligible to take the next level *honors* course.

10150 AIM ENGLISH I H

Prerequisites: AIM screening & selection process & concurrent enrollment in AIM Global Humanities
1 Credit

In this rigorous first course of a two-year interdisciplinary program, students integrate their explorations of world literature, world history, art and music appreciation, philosophy, sociology, and man's general cultural heritage. Emphasis is on the historical development of culture and on the human dynamics of cultural change. The writing of research papers and literary essays will be required along with significant independent reading. This course fulfills one of the English requirements for graduation. Students who earn below 70% will not be eligible to take the next level *honors* course.

10200 ENGLISH II

Prerequisites: 70% or higher required in English I
1 Credit

This course is required for graduation. It is the second step in an integrated sequence of instruction in the language arts state standards. Thematic units continue instruction in the process skills and knowledge necessary to meet District and State graduation requirements in Language Arts. A variety of selections, both expressive-descriptive and informative-expository will be analyzed. Writing assignments will emphasize using the writing process to develop and support a thesis through persuasive writing techniques. Students who earn below 70% will not be eligible to take the next level course.

3010200 PBS ENGLISH II

Prerequisites: 70% or higher required in English I
1 Credit

This course provides an integrated sequence of instruction in the language arts state standards. Thematic units continue instruction in the process skills and knowledge necessary to meet District and State graduation requirements in Language Arts. A variety of selections, both expressive-descriptive and informative-expository will be analyzed. Writing assignments will emphasize using the writing process to develop and support a thesis through persuasive writing techniques. Students who earn below 70% will not be eligible to take the next level course. Students are provided behavioral interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

3110200 LSC ENGLISH II

Prerequisites: 70% or higher required in English I
1 Credit

This course provides an integrated sequence of instruction in the language arts state standards. Thematic units continue instruction in the process skills and knowledge necessary to meet District and State graduation requirements in Language Arts. A variety of selections, both expressive-descriptive and informative-expository will be analyzed. Writing assignments will emphasize using the writing process to develop and support a thesis through persuasive writing techniques. Students who earn below 70% will not be eligible to take the next level course. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a highly qualified special education teacher.

3210200 LS ENGLISH II

Prerequisites: 70% or higher required in English I
1 Credit

This course provides an integrated sequence of instruction in the language arts alternative state standards. This course is specifically designed to align to the State alternate assessment standards. Thematic units introduce students to the English foundational process skills and knowledge. Course writing assignments will demonstrate and/or introduce the writing process to develop and support a thesis through persuasive writing techniques. The research process and the formal essay will be observed or introduced. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

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3510200Y ISC ENGLISH II

Prerequisites: 70% or higher required in English I
1 Credit

This course provides an integrated sequence of instruction in the language arts state standards. Thematic units continue instruction in the process skills and knowledge necessary to meet District and State graduation requirements in Language Arts. A variety of selections, both expressive-descriptive and informative-expository will be analyzed. Writing assignments will emphasize using the writing process to develop and support a thesis through persuasive writing techniques. Students who earn below 70% will not be eligible to take the next level course. Students are provided social, communication, and sensory interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

10240 ENGLISH II H

Prerequisites: 70% or higher required in English I H or equivalent
1 Credit

This course fulfills regular English II graduation requirements. It includes the required reading, writing, speaking, and listening state standards as described in English II with special emphasis given to analysis of world literature, formal essay writing, and the research process. Independent reading and writing will be required. Students who earn below 70% will not be eligible to take the next level *honors* course.

10250 AIM ENGLISH II H

Prerequisites: 70% or higher required in AIM English I H or equivalent, and concurrent enrollment in AIM World History
1 Credit

In this rigorous second course of a two-year interdisciplinary program, students integrate their explorations of literature, world history, art and music appreciation, philosophy, sociology, and man's general cultural heritage. Emphasis is on the historical development of culture and on the human dynamics of cultural change. The writing of research papers and literary essays will be required along with significant independent reading. This course fulfills one of the English requirements for graduation. Students who earn below 70% will not be eligible to take the next level *honors* course.

10300 ENGLISH III

Prerequisites: 70% or higher required in English II
1 Credit

This course is required for graduation. It is the third step in an integrated sequence of instruction in the language arts, state standards. Thematic units provide an overview of the American literary tradition, and continue instruction in the process skills and knowledge necessary to District and State graduation requirements in Language Arts. Literary analysis and the cause-effect essay will be stressed.

3010300 PBS ENGLISH III

Prerequisites: 70% or higher required in English II
1 Credit

This provides an integrated sequence of instruction in the language arts, state standards. Thematic units provide an overview of the American literary tradition, and continue instruction in the process skills and knowledge necessary to District and State graduation requirements in Language Arts. Literary analysis and the cause-effect essay will be stressed. Students are provided behavioral interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

3110300 LSC ENGLISH III

Prerequisites: 70% or higher required in English II
1 Credit

This course provides an integrated sequence of instruction in the language arts, state standards. Thematic units provide an overview of the American literary tradition, and continue instruction in the process skills and knowledge necessary to District and State graduation requirements in Language Arts. Literary analysis and the cause-effect essay will be stressed. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a highly qualified special education teacher.

3210300 LS ENGLISH III

Prerequisites: 70% or higher required in English II
1 Credit

This course provides an integrated sequence of instruction in the language arts, state standards. This course is specifically designed to align to the State alternate assessment standards. Thematic units provide an exposure and/or introduction of the American literary tradition, and continue instruction in Language Arts process skills and knowledge. Students will have exposure to writings that demonstrate literary analysis and cause-effect. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

3510300Y ISC ENGLISH III

Prerequisites: 70% or higher required in English II
1 Credit

This provides an integrated sequence of instruction in the language arts, state standards. Thematic units provide an overview of the American literary tradition, and continue instruction in the process skills and knowledge necessary to District and State graduation requirements in Language Arts. Literary analysis and the cause-effect essay will be stressed. Students are provided behavioral interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

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10340 ENGLISH III H

Prerequisites: 70% or higher required in English II H or equivalent
1 Credit

This is an advanced course, which fulfills the English III graduation requirement. The standard English III literature and reading, writing, speaking, and listening components as described in English III will be completed in a more intensive manner. In addition, emphasis will be placed on rhetorical analysis and research writing. Independent reading and writing will be required. Students who earn below 70% will not be eligible to take the next level *honors* course.

NOTE: English III H may be taken as a part of the American Literature/American History integrated course or as a separate course. Students must qualify to be placed in either the English III H or the American Literature/American History offering.

10341 ENGLISH III APPLICATIONS H

Prerequisites: English II H or (equivalent to English III H)
1 Credit

The curriculum for this course is parallel to the English III Honors course. However, it is team taught by an English teacher and a business teacher. This integration allows students to study literature from both academic and real life perspectives, as well as write in both academic and business styles. On a daily basis students will use computers for a variety of purposes. A student needs the willingness to work in a cooperative environment on many projects and assignments and is not recommended for a student who prefers to work independently. Students receive honors credit with the option to contract for regular credit. It is open to eligible students with a teacher recommendation. This course meets the graduation requirement for English III.

10350 AIM AMERICAN LIT H

Prerequisites: 70% or higher required in AIM English II H or equivalent, and concurrent enrollment in AIM American History
1 Credit

This rigorous interdisciplinary course is designed for academically talented and able students. The writing of research papers and literary essays will be required along with significant independent reading. Emphasis is placed on the exploration of American literature and literary forms as they relate to American history and culture. This course fulfills one of the English requirements for graduation. Students who earn below 70% will not be eligible to take the next level *honors* course.

10370 IB ENGLISH III H

Prerequisites: 70% or higher required in English II H or equivalent
1 Credit

This course will encourage students to approach literature as a craft that opens itself to analysis. Emphasis will be placed on exploring a variety of authors from several cultures and on developing an understanding of the methods these artists use to convey their themes. Developing personal appreciations as well as the ability to critique the chosen works is also of primary importance. The course will also fortify students' powers of expression, both written and oral. This course is a component of the International Baccalaureate Program.

10400 ENGLISH IV

Prerequisites: 70% or higher required in English III H or 60% or higher in English III
1 Credit

This course fulfills the fourth year English requirement for graduation. Independent reading, writing, and research will be required and parallel the university academic experience. Multi-genre, thematic units sample the reading, writing and critical thinking skills encountered in introductory college-level classes and meets District and State graduation requirements. Successful completion of this course ensures that students will be prepared for many post-secondary learning opportunities including advanced technical schools, community colleges, and public and private universities. Dual credit may be obtained for this course at high schools offering this option.

3010400 PBS ENGLISH IV

Prerequisites: 60% or higher required in English III
1 Credit

This course requires independent reading, writing, and research. Multi-genre, thematic units continue instruction in the knowledge, process and critical thinking skills necessary to meet District and State graduation requirements. Successful completion of this course provides an opportunity for students to be better prepared for many post-secondary learning opportunities such as technical schools, community colleges, and post public universities. Students are provided behavioral interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

3110400 LSC ENGLISH IV

Prerequisites: 60% or higher required in English III
1 Credit

This course requires independent reading, writing, and research. Multi-genre, thematic units continue instruction in the knowledge, process and critical thinking skills necessary to meet District and State graduation requirements. Successful completion of this course provides an opportunity for students to be better prepared for many post-secondary learning opportunities such as technical schools, community colleges, and post public universities. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a highly qualified special education teacher.

LANGUAGE ARTS

3210400 LS ENGLISH IV

Prerequisites: 60% or higher required in English III
1 Credit

This course is specifically designed to align to the State alternate assessment standards. This course exposes students to more independent reading, writing, and research skills as well as multi-genre, thematic units. Students will also have exposure to Language Arts knowledge, process and improvement in critical thinking skills based on each student's ability level. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

3510400Y ISC ENGLISH IV

Prerequisites: 60% or higher required in English III
1 Credit

This course requires independent reading, writing, and research. Multi-genre, thematic units continue instruction in the knowledge, process and critical thinking skills necessary to meet District and State graduation requirements. Successful completion of this course provides an opportunity for students to be better prepared for many post-secondary learning opportunities such as technical schools, community colleges, and post public universities. Students are provided social, communication, and sensory interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

10440 COLLEGE PREP ENGLISH H

Prerequisites: 70% or higher required in English III H or 90% or higher in English III
1 Credit

This course fulfills the fourth year English requirement for graduation. Independent reading, writing, and research will be required and parallel the university academic experience. Multi-genre, thematic units sample the reading, writing and critical thinking skills encountered in introductory college-level classes and meets District and State graduation requirements. Successful completion of this course ensures that students will be prepared for many post-secondary learning opportunities including advanced technical schools, community colleges, and public and private universities. Dual credit may be obtained for this course at high schools offering this option.

10441 ENGLISH IV APPLICATIONS

H 

Prerequisites: English III H or English III Applications H (equivalent to English III)
1 Credit

The curriculum for this course is parallel to the English IV Honors course. It is taught by an English teacher and a business teacher or taught by one teacher highly qualified in both areas (English and Business). This integration allows students to study literature and informational text from both academic and real life perspectives, as well as write in both academic and business styles. On a daily basis students will use computers for a variety of purposes. Students will work in a cooperative environment on many projects and assignments. This course is not recommended for students who prefer to work independently. Students receive honors credit with the option to contract for regular credit. This course meets the graduation requirement for English IV. . Dual credit may be obtained for this course at high schools offering this option.

10460 AP COMPOSITION & LIT H

Prerequisites: 3 credits of Honors English
1 Credit

Fulfilling the fourth year English graduation requirement, this course is literature-based and includes the critical analysis of sophisticated text and extensive practice in "writing-on-demand" to improve the clarity and depth of thought required for many university majors. To parallel the university academic experience, discussion, written critical analysis, independent reading and research are required as well. Successful completion of this course ensures that students will be prepared for all post-secondary learning opportunities, especially public and private universities. This course meets the graduation requirement for English IV. After completing this course, students will have the opportunity to take the Advanced Placement exam. Dual credit may be obtained for this program at high schools offering this option.

10470 IB ENGLISH IV H

Prerequisites: 70% or higher required in IB English III or equivalent
1 Credit

This course will encourage students to approach literature as a craft that opens itself to analysis. Emphasis will be placed on exploring a variety of authors from a variety of cultures and on developing an understanding of the methods these artists use to convey their themes. Developing personal appreciations as well as the ability to critique the chosen works is also of primary importance. The course will also fortify students' powers of expression, both written and oral.

10500 CREATIVE WRITING

Prerequisites: 70% or higher required in English I
½ Credit

Creative Writing is a rigorous elective course for students interested in improving their use of multi-sensory imagery, figurative language, and other literary devices in order to forge a personal voice or style in their own imaginative, personal written expression. Students will write, revise and present a variety of original written works. Additionally, students will focus on working individually and collaboratively to revise and polish their original work in preparation for presentation and publication (e.g., literary magazine, student anthology, public reading, children's books, etc.) This course may be repeated **once** for credit.

LANGUAGE ARTS

10501 EXPLORING COMMUNICATION

Prerequisites: None
1 Credit

Students will explore how communication is used in their daily lives and in a variety of careers. Elements of one-to-one communication, group communication, and public communication will be the primary focus of the class. Also included will be skills for overcoming fear, increasing confidence, enhancing listening, and developing organizational strategies, which will prepare students for success in other courses. The course outcomes are aligned with the District and State standard of speaking/listening and presenting/viewing. This class is required before students may take other communication courses.

10502 ORAL INTERPRETATION

Prerequisites: Exploring Communication or Theater Arts I
1 Credit

In this course students will build upon skills learned in Exploring Communication and also develop skills in oral interpretation of literature. Students will be introduced to different speaking styles and purposes. More emphasis will be placed on the use of voice, eye contact, rapport with audience, and the ability to understand, analyze and perform literature.

10503 JOURNALISM

Prerequisites: 70% or higher required in English I or equivalent
1 Credit

Journalism includes the study of media with the main emphasis on the newspaper as a medium. 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, meeting deadlines, and vocabulary used in the medium. A variety of computer applications are utilized. This course is a prerequisite for the newspaper and yearbook staffs.

10504 NEWSPAPER

Prerequisites: Journalism
Consumable Fee: \$10.00
1 Credit

The newspaper class publishes the student newspaper that keeps the school and community informed about campus activities. This laboratory course allows students to use and improve their skills in all phases of journalistic writing, layout, word processing, and marketing. In cases where student demand exceeds seating capacity, an application for enrollment in this class may be required. This course may be repeated for credit.

10505 YEARBOOK

Prerequisites: Journalism
1 Credit

Yearbook is the student production of a book that documents the activities and people for that school year. This laboratory experience allows students to use their skills in photography, layout, writing, word processing, marketing and graphic design to produce a yearbook. This course may be repeated for credit.

10506 MULTICULTURAL LITERATURE & COMPOSITION

Prerequisites: 70% or higher required in English II or equivalent
1 Credit

Thematic units provide a look at many genres of multicultural literature. Writing practice gives students the opportunity to explore expository as well as creative writing related to a variety of themes. Critical thinking skills will be developed through writing and discussions of the literature. Oral communication skills will be developed through a variety of presentation modes.

10560 AP ENGLISH LANG & COMP

Prerequisites: English I or I (H) and English II or II (H)
1 Credit

In the AP English Language and Composition course students will become skilled readers and writers of nonfiction texts written for a variety of situations and rhetorical contexts. Students hone their ability to evaluate language as a tool from the perspective of the reader, speaker/listener, and writer. Students will become skilled writers who compose for a variety of purposes. Both their reading and their writing will emphasize the dynamic relationship between a writer's purpose, the context, the expectations of the audience, and the argument as well as the genre conventions and the resources of language that contribute to effective writing. While writing represents a significant component of this course, the core skill required is the ability to read well. In reading another writer's work, students must be able to address four fundamental questions about a composition: What is being said? To whom is it being said? How is it being said? Why is it being said? The answers to these questions inform students' own composition processes as they learn to read like writers and write like readers. This course can be taken for English III credit or English IV 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; **Concurrent enrollment is prohibited.**

MATHEMATICS

CORE COURSES

Algebra I  OR	1 Credit
Algebra I w/ Extension	2 Credits
Geometry  OR	1 Credit
Geometry H	1 Credit
Algebra II  OR	1 Credit
Algebra II H	1 Credit

ELECTIVE COURSES

College Mathematics 	1 Credit
Financial Algebra	1 Credit
College Algebra H 	1 Credit
Brief Calculus H 	1 Credit
Precalculus H 	1 Credit
AP Calculus I H  	1 Credit
AP Calculus II H  	1 Credit
AP Statistics H	1 Credit
IB Math Studies H	1 Credit
IB Math Standard Level	1 Credit
IB Math Higher Level	1 Credit

STUDENTS MUST CHOOSE ONE ADDITIONAL MATH CREDIT FROM THE ELECTIVE COURSE COLUMN TO MEET 2013+ GRADUATION REQUIREMENTS.

11120 ALGEBRA I

Prerequisites: None
1 Credit

The fundamental purpose of Algebra I is to formalize and extend the mathematics that students learned in elementary school. The critical areas, organized into curriculum frameworks, deepen and extend understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. The need for extending the set of rational numbers arises and real and complex numbers are introduced so that all quadratic equations can be solved. The link between numerous graphical displays and the statistical data the graphs represent is explored. Algebra I uses mathematical concepts to deepen and extend understanding of geometric knowledge from prior grades. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

111201/111202 ALGEBRA I w/ Extension

Prerequisites: None
2 Credits:
1 Elective Credit
1 Academic Credit

Algebra I will focus on the concepts of linear algebraic functions and relationships. Other topics include the concepts of systems of linear equations and inequalities, polynomials, quadratic equations, quadratic functions, radical and rational functions. The course will be completed over two semesters. Competency in Algebra 1 is a prerequisite for Geometry. This course meets one of the four math requirements for university admission. Students who earn below 70% will not be eligible to take the next level course.

30111201/30111202 PBS ALGEBRA I w/ Extension

Prerequisites: District Placement
2 Credits:
1 Elective Credit
1 Academic Credit

Algebra I will focus on the concepts of linear algebraic functions and relationships. Other topics include the concepts of systems of linear equations and inequalities, polynomials, quadratic equations, quadratic functions, radical and rational functions. The course will be completed over two semesters. Competency in Algebra 1 is a prerequisite for Geometry. Students who earn below 70% will not be eligible to take the next level course. Students are provided behavioral interventions to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

31111201/31111202 LSC ALGEBRA I w/ Extension

Prerequisites: District Placement
2 Credits:
1 Elective Credit
1 Academic Credit

Algebra I will focus on the concepts of linear algebraic functions and relationships. Other topics include the concepts of systems of linear equations and inequalities, polynomials, quadratic equations, quadratic functions, radical and rational functions. The course will be completed over two semesters. Competency in Algebra 1 is a prerequisite for Geometry. Students who earn below 70% will not be eligible to take the next level course. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a highly qualified special education teacher.

32111201/32111202 LS ALGEBRA I w/ Extension

Prerequisites: District Placement
2 Credits:
1 Elective Credit
1 Academic Credit

Algebra I will expose and/or introduce students to the concepts of numbers and concepts that make up algebraic equations. This course is specifically designed to align to the State alternate assessment standards. The course will be completed over two semesters. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

MATHEMATICS

35111201/35111202 ISC ALGEBRA I

Elective/Academic

Prerequisites: District Placement

2 Credits:

1 Elective Credit

1 Academic Credit

Algebra I will focus on the concepts of linear algebraic functions and relationships. Other topics include the concepts of systems of linear equations and inequalities, polynomials, quadratic equations, quadratic functions, radical and rational functions. The course will be completed over two semesters. Competency in Algebra I is a prerequisite for Geometry. Students who earn below 70% will not be eligible to take the next level course. Students are provided social, communication, and sensory interventions to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

11200 GEOMETRY

Prerequisites: Algebra I Academic credit.

1 Credit

The main focus of the Geometry course is on the use of the coordinate plane. Transformations on the coordinate plane provide opportunities for the formal study of congruence and similarity. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. The study of circles uses similarity and congruence to develop basic theorems relating circles and lines. Circles are represented through their quadratic algebraic characteristics on the coordinate plane. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

3011200 PBS GEOMETRY

Prerequisites: District placement

1 Credit

Geometry focuses on logical reasoning and spatial visualization skills. Students apply strategies of inductive and deductive reasoning to find the measures of angles and segments in polygons and circles. These strategies are extended to solid figures to find area and volume. Coordinate geometry and constructions are thematic throughout the course. Other topics covered are similar and congruent triangles, parallel lines and geometric probability. Students who earn below 70% will not be eligible to take the next level course. Students are provided behavioral interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

31112001/31112002 LSC GEOMETRY w/ Extension

Prerequisites: District placement

2 Credits:

1 Elective Credit

1 Academic Credit

Geometry focuses on logical reasoning and spatial visualization skills. Students apply strategies of inductive and deductive reasoning to find the measures of angles and segments in polygons and circles. These strategies are extended to solid figures to find area and volume. Coordinate geometry and constructions are thematic throughout the course. Other topics covered are similar and congruent triangles, parallel lines and geometric probability. Students who earn below 70% will not be eligible to take the next level course. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a highly qualified special education teacher.

3211200 LS GEOMETRY

Prerequisites: District placement

1 Credit

Geometry focuses on logical reasoning and spatial visualization skills. This course is specifically designed to align to the State alternate assessment standards. Students will be exposed to the concept of using strategies of inductive and deductive reasoning to find the measures of angles and segments in polygons and circles. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

35112001/35112002 ISC GEOMETRY Elective/Academic

Prerequisites: District placement

1 Credit

Geometry focuses on logical reasoning and spatial visualization skills. Students apply strategies of inductive and deductive reasoning to find the measures of angles and segments in polygons and circles. These strategies are extended to solid figures to find area and volume. Coordinate geometry and constructions are thematic throughout the course. Other topics covered are similar and congruent triangles, parallel lines and geometric probability. Students who earn below 70% will not be eligible to take the next level course. Students are provided social, communication, and sensory interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

11240 GEOMETRY H

Prerequisites: Algebra I Academic Credit.

1 Credit

Geometry H focuses on many of the same concepts that are included in the Geometry course; however, students will be required to demonstrate a higher level of performance on established outcomes. This course replaces Geometry as one of the four math requirements for university admission. This honors course is for the self-motivated student who desires fast-paced instruction and a rigorous curriculum. Students who earn below 70% will not be eligible to take the next honors level course.

MATHEMATICS

11220 ALGEBRA II

Prerequisites: Geometry Academic
Credit
1 Credit

It is in Algebra 2 that students pull together and apply the accumulation of learning that they have from their previous courses. Quadratic expressions, equations, and functions are developed; comparing their characteristics and behavior to those of linear and exponential relationships from Algebra I. Students apply methods from probability and statistics to draw inferences and conclusions from data. The link between probability and data is explored through conditional probability. Students expand their repertoire of functions to include polynomial, rational, and radical functions. They expand their study of right triangle trigonometry to model periodic phenomena. And, finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

30112201/30112202 PBS ALGEBRA II w/Extension

Prerequisites: District placement
2 Credits:
1 Elective Credit
1 Academic Credit

Algebra II will expand on previous knowledge and skills in relationship to linear equations and systems, quadratic, radical and rational functions. It will develop concepts in the areas of matrices, polynomials and functions, sequence and series, probability and statistics, as well as, trigonometry. Students who earn below 70% will not be eligible to take the next higher level course. Students are provided behavioral interventions to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

31112201/31112202 LSC ALGEBRA II w/Extension

Prerequisites: District placement
2 Credits:
1 Elective Credit
1 Academic Credit

Algebra II will expand on previous knowledge and skills in relationship to linear equations and systems, quadratic, radical and rational functions. It will develop concepts in the areas of matrices, polynomials and functions, sequence and series, probability and statistics, as well as, trigonometry. Students who earn below 70% will not be eligible to take the next higher level course. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a highly qualified special education teacher.

32112201/32112202 LS ALGEBRA II w/Extension

Prerequisites: District placement
2 Credits:
1 Elective Credit
1 Academic Credit

Algebra II will expand on previous knowledge and skills in relationship to linear equations and systems, quadratic, radical and rational functions. It will develop concepts in the areas of matrices, polynomials and functions, sequence and series, probability and statistics, as well as, trigonometry. Students who earn below 70% will not be eligible to take the next higher level course. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

35112201/35112202 ISC ALGEBRA II Elective/Academic

Prerequisites: District placement
2 Credits:
1 Elective Credit
1 Academic Credit

Algebra II will expand on previous knowledge and skills in relationship to linear equations and systems, quadratic, radical and rational functions. It will develop concepts in the areas of matrices, polynomials and functions, sequence and series, probability and statistics, as well as, trigonometry. Students who earn below 70% will not be eligible to take the next higher level course. Students are provided social, communication, and sensory interventions to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

11245 ALGEBRA II H

Prerequisites: Geometry
1 Credit

Algebra II H includes the following topics: equations, inequalities, systems of equations and inequalities, factoring, conic sections, arithmetic sequences and series, geometric sequences and series, permutations and combinations, variation, functions (linear, quadratic, exponential, logarithmic, rational, polynomial) and operations on functions. This honors course is for the motivated student who desires fast-paced instruction and a rigorous curriculum. A Casio 9750G II graphing calculator is highly recommended. This course meets one of the four math requirements for university admission. Students who earn below 70% will not be eligible to take the next level *honors* course.

MATHEMATICS

11230 COLLEGE MATHEMATICS

Prerequisites: 3 Academic Math

Credits

1 Credit

College Mathematics extends the working knowledge of college-level mathematics and its applications to real-life problems. Emphasis on understanding mathematical concepts and their applications. Topics include, but are not limited to set theory, probability, statistics, finance, and geometry. Dual credit may be obtained from the Maricopa Community College system for this course at high schools offering this option.

3011230 PBS COLLEGE MATHEMATICS

Prerequisites: 3 Academic Math

Credits

1 Credit

College Mathematics extends the working knowledge of college-level mathematics and its applications to real-life problems. Emphasis on understanding mathematical concepts and their applications. Topics include, but are not limited to set theory, probability, statistics, finance, and geometry. Students are provided behavioral interventions to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

3111230 LSC COLLEGE MATHEMATICS

Prerequisites: 3 Academic Math

Credits

1 Credit

College Mathematics extends the working knowledge of college-level mathematics and its applications to real-life problems. Emphasis on understanding mathematical concepts and their applications. Topics include, but are not limited to set theory, probability, statistics, finance, and geometry. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a highly qualified special education teacher.

11231 FINANCIAL ALGEBRA

Prerequisites: 3rd credit Math course

1 Credit

Financial Algebra will use sophisticated mathematics to give you the tools to become a financially responsible young adult. The course employs algebra, precalculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying relevant mathematics. Field projects, computer spreadsheets, and graphing calculators are key components of this course.

3011231 PBS FINANCIAL ALGEBRA

Prerequisites: 3rd credit Math course

1 Credit

Financial Algebra will use sophisticated mathematics to give you the tools to become a financially responsible young adult. The course employs algebra, precalculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying relevant mathematics. Field projects, computer spreadsheets, and graphing calculators are key components of this course. Students are provided behavioral interventions to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

3111231 LSC FINANCIAL ALGEBRA

Prerequisites: 3rd credit Math course

1 Credit

Financial Algebra will use sophisticated mathematics to give you the tools to become a financially responsible young adult. The course employs algebra, precalculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying relevant mathematics. Field projects, computer spreadsheets, and graphing calculators are key components of this course. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a highly qualified special education teacher.

3511231 ISC FINANCIAL ALGEBRA

Prerequisites: 3rd credit Math course

1 Credit

Financial Algebra will use sophisticated mathematics to give you the tools to become a financially responsible young adult. The course employs algebra, precalculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying relevant mathematics. Field projects, computer spreadsheets, and graphing calculators are key components of this course. Students are provided social, communication, and sensory interventions to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

MATHEMATICS

11344 COLLEGE ALGEBRA H

Prerequisites: 3rd credit Math course
1 Credit

College Algebra H extends the student's knowledge of algebra by applying and manipulating various types of equations. Specific topics include systems of equations and inequalities, conic sections, polynomials, rational, exponential, and logarithmic functions, and matrices. This course is recommended for college bound students. A Casio 9750G II graphing calculator is highly recommended. This course meets one of the four requirements for university admission. Dual credit may be obtained from the Maricopa Community College system for this course at high schools offering this option.

11346 BRIEF CALCULUS H

Prerequisites: College Algebra H or
Precalculus H
1 Credit

Brief Calculus is a non-trigonometric review of algebra topics, functions, and graphs. The course is an introduction to limits, differentiation and integration with an emphasis on business applications. Before students take AP Calculus I they will need a trigonometry based course. A Casio 9750G II graphing calculator is highly recommended. Dual credit may be obtained from the Maricopa Community College System for this program at high schools offering this option.

11440 PRECALCULUS H

Prerequisites: 3rd credit Math course
1 Credit

Precalculus H extends the study of functions and inverse functions to include polynomial, rational, irrational, exponential, logarithmic, and trigonometric functions. Students verify trigonometric identities and use identities to solve trigonometric equations. Additional topics include partial fractions, vectors, linear velocity, angular velocity, arithmetic sequences and series, and geometric sequences and series. A Casio 9750G II graphing calculator is highly recommended. This honors course is for the motivated student who desires fast-paced instruction and a rigorous curriculum. Dual credit may be obtained from the Maricopa Community College system for this course at high schools offering this option. Students who earn below 70% will not be eligible to take the next level *honors* course.

11460 AP CALCULUS I H

Prerequisites: Precalculus H
1 Credit

AP Calculus I H is an extensive study of continuity, limits, differentiation, and integration as applied to algebraic, trigonometric, and transcendental functions. The graphing calculator is used to solve complex problems and justify analytical solutions. Students are encouraged to take the Advanced Placement Calculus AB Exam. A Casio 9750G II graphing calculator is highly recommended. Dual credit may be obtained from the Maricopa Community College system for this course at high schools offering this option. Students who earn below 70% will not be eligible to take the next level *honors* course.

11461 AP CALCULUS II H

Prerequisites: AP Calculus I H
1 Credit

AP Calculus II H is a rigorous study of advanced integration techniques, convergence and divergence of infinite series, parametric equations, polar coordinates, vector analysis and spatial geometry. The graphing calculator is used to solve complex problems and justify analytical solutions. Students are encouraged to take the Advanced Placement Calculus AB Exam. A Casio 9750G II graphing calculator is highly recommended. Dual credit may be obtained from the Maricopa Community College system for this course at high schools offering this option. Students who earn below 70% will not be eligible to take the next level *honors* course.

11462 AP STATISTICS H

Prerequisites: Algebra II
1 Credit

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. Students design, administer, and tabulate results from surveys and experiments. Probability and simulations aid students in constructing models for chance behavior. Sampling distributions provide the logical structure for confidence intervals and hypothesis tests. Students use a TI-83/84 or a Casio fx 9750 graphing calculator, Fathom, and Minitab statistical software, and Web-based java applets to investigate statistical concepts. To develop effective statistical communication skills, students are required to prepare frequent written and oral analyses of real data.

11470 IB MATH STUDIES H

Prerequisites: 3rd credit Math course
1 Credit

In this course the material will provide a more than adequate body of mathematical knowledge that the students will need to cope with the mathematical demands of a technological society with an emphasis on the application of mathematics to real-live, everyday situations. Global application problems will be incorporated to stress the internationalism component along with notational differences and historical references.

MATHEMATICS

11471 IB MATH SL H

Prerequisites: College Algebra II H
1 Credit

IB Mathematics Standard Level is for students who already possess knowledge of basic mathematical concepts, and who are equipped with the skills needed to apply simple mathematical techniques correctly. The majority of these students will expect to need a sound mathematical background as they prepare for future studies in subjects such as chemistry, economics, psychology and business administration. The course focuses on introducing important mathematical concepts through the development of mathematical techniques. It will introduce students to these concepts in a comprehensible and coherent way and help the student to apply the mathematical knowledge they have acquired to solve realistic problems that are set in an appropriate context.

11472 IB MATH HL H

Prerequisites: AP Calculus I H
1 Credit

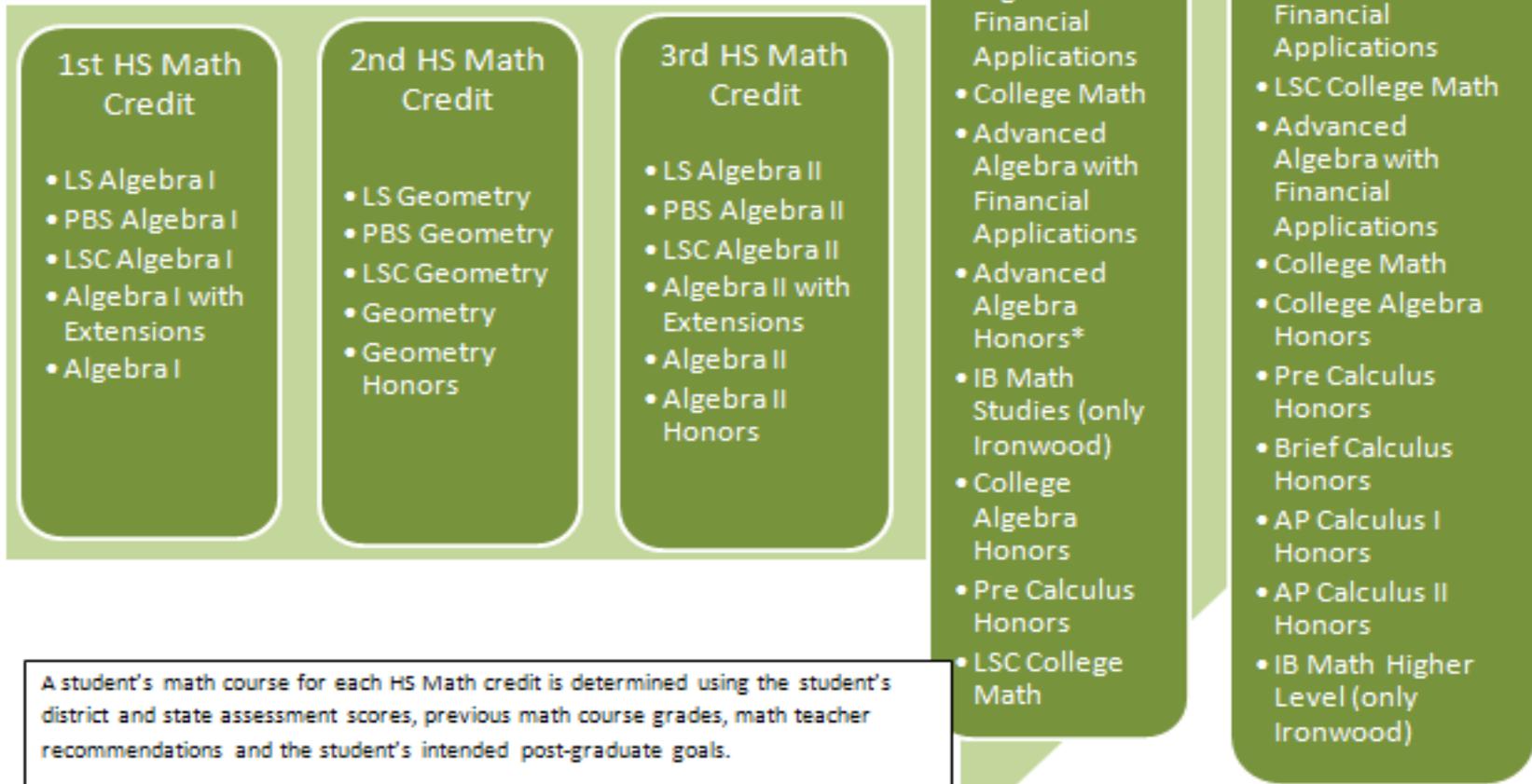
The IB Mathematics Higher Level course involves a rigorous and in-depth study of math. It is an option for students who have a good background in mathematics and who are competent in a range of analytical and technical skills. Students who choose this course will be making mathematics a major component of their university studies, either as a subject in its own right or within courses such as physics, engineering and technology. Students taking this course should have a strong interest in mathematics and enjoy meeting its challenges and engaging in problems.

Pathway subject to change based on State Standards (Common Core)

DRAFT – changes made as PARCC information is released

Arizona Graduation Requirement

Arizona graduates must have at least four separate high school math credits.



A student's math course for each HS Math credit is determined using the student's district and state assessment scores, previous math course grades, math teacher recommendations and the student's intended post-graduate goals.

*Advanced Algebra Honors will only be offered for the 2013-2014 school year.

Starting with the class of 2013, students must complete and receive credit for three lab science courses in order to graduate. Ag Science I is an approved science course for graduation and may be substituted for Integrated Science. It satisfies a lab requirement for university admissions. Biotechnology is also an approved lab science course.

SCIENCE

CORE COURSES

Biology  	1 Credit
Any other 2 Lab Science	2 Credit

ELECTIVE COURSES

AIM Chemistry H 	1 Credit
Pre-AP Biology H 	1 Credit
IB Prep Biology H 	1 Credit
Biological Applications & Technology (H*) 	1 Credit
Chemistry 	1 Credit
Environmental Science 	1 Credit
Human Physiology  	1 Credit
Physics  	1 Credit
AP Biology H 	1 Credit
AP Chemistry H  	1 Credit
AP Physics I H  	1 Credit
AP Physics II H 	1 Credit
IB Environmental Systems & Societies H	1 Credit
IB Biology I H	1 Credit
IB Biology II H	1 Credit
IB Chemistry SL	1 Credit
IB Chemistry HL	1 Credit
IB Physics H	1 Credit
IB Sports, Exercise & Health Science H	1 Credit
Physical Science in the Real World	1 Credit

PLEASE REFER TO THE CAREER AND TECHNICAL EDUCATION SECTION FOR INFORMATION REGARDING THE ALLIED HEALTH, SPORTS MEDICINE AND AGRICULTURE PROGRAMS.

12200 BIOLOGY  
3012200 PBS BIOLOGY
3512200 ISC BIOLOGY
 1 Credit

Biology is an inquiry-based course that studies how life is organized into systems and cycles. Topics include: life processes, cell genetics, natural selection and ecology. This course satisfies a science lab requirement for state universities. Students who earn below 70% will not be eligible to take the next level science course.

3112200 LSC BIOLOGY  
 1 Credit

Biology is an inquiry-based course that studies how life is organized into systems and cycles. Topics include: life processes, cell genetics, natural selection and ecology. This course satisfies a science lab requirement for state universities. This course will be taught by an appropriately certified special education teacher.

12150 AIM CHEMISTRY H 
Prerequisites: 70% or higher in Algebra 1 or 80% or higher on a placement test
 Consumable Fee: \$10.00
 1 Credit

This is an accelerated and in-depth science course. Using technology, students will experiment, analyze, and evaluate major concepts related to chemistry. The history/ nature of science and personal/social perspectives of science will be explored. Students will be actively involved with the process of scientific inquiry. This course satisfies a science lab requirement for state universities. Students who earn below 70% will not be eligible to take the next level *honors* course.

12259 PRE-AP BIOLOGY H 
Prerequisites: Pre-AP Biology screening & selection process.
 Consumable Fee: \$20.00
 1 Credit

The primary objective of the course is to provide students with a fundamental understanding of modern biology and scientific processes, building a foundation for success in the college level AP/IB courses to follow. The Pre-AP course places a higher priority on developing critical thinking skills by examining real world problems. Students will examine topics with more depth and include more advanced resource material in addition to the adopted text. Laboratory investigations will play a more prominent role and be more sophisticated than in regular biology. Students will be expected to design and carry out experiments using appropriate methods and resources.

SCIENCE

12269 IB PREP BIOLOGY H

Prerequisites:

Consumable Fee: \$20.00

1 Credit

The primary objective of the course is to provide students with a fundamental understanding of modern biology and scientific processes, building a foundation for success in the college level AP/IB courses to follow. The Pre-AP course places a higher priority on developing critical thinking skills by examining real world problems. Students will examine topics with more depth and include more advanced resource material in addition to the adopted text. Laboratory investigations will play a more prominent role and be more sophisticated than in regular biology. Students will be expected to design and carry out experiments using appropriate methods and resources.

12210 BIOLOGICAL APPLICATIONS & TECHNOLOGY (H*)

Prerequisites: Biology

Consumable Fee: \$25.00

1 Credit

This is a biotechnology course that aligns to the Arizona State Science Standards related to molecular genetics and its societal issues. The course will cover current biotechnology and how it applies to medicine, bioremediation and agriculture using an inquiry process. Students will have the opportunity to explore current biotechnological practices and how these relate to biology. This course satisfies a lab requirement for state universities. An honors option is available to all students enrolled in the course.

12300 CHEMISTRY

Prerequisites: Biology or AIM

Biology H. Completion or concurrent enrollment in Algebra II is highly recommended

Consumable Fee: \$10.00

1 Credit

Chemistry is a laboratory science course that investigates the structure and properties of matter and the changes it can undergo. Topics covered include atomic structure, chemical reactions, and properties of matter. This course satisfies a science lab requirement for state universities.

12600 ENVIRONMENTAL SCIENCE

3012600 PBS ENVIRONMENTAL SCIENCE

3112600 LSC ENVIRONMENTAL SCIENCE

3212600 LS ENVIRONMENTAL SCIENCE

3512600 ISC ENVIRONMENTAL SCIENCE

Prerequisites: 70% or higher required in Biology or

AIM Biology H

Consumable Fee: \$10.00

1 Credit

Environmental Science is an interdisciplinary course that combines information from biology, chemistry, physics, geology, scientific inquiry, modeling, and systems thinking to understand and evaluate the nature and scope of current environmental issues. Students will utilize scientific principles and methodologies to explore and understand the interrelationships of the natural world, analyze local and global environmental issues, evaluate associated risks and examine alternative solutions. This course satisfies a science lab requirement for state universities.

H* honors option available in this course

12400 PHYSICS

Prerequisites: Biology or AIM Biology H. Completion of Algebra I and Geometry, and concurrent enrollment in Algebra II is highly recommended

Consumable Fee: \$10.00

1 Credit

Physics is a laboratory science course that investigates the physical properties of matter and the relationship to energy. Topics covered include mechanics, waves, and optics. This course satisfies a science lab requirement for state universities. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

12500 HUMAN PHYSIOLOGY

Prerequisites: Biology or AIM Biology H

Consumable Fee: \$20.00

1 Credit

This college level course studies the structure and function of the human body and its many systems, i.e., skeletal, nervous, reproductive, circulatory, etc. Dissection of biological specimens is a mandatory component of this course. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option. This course satisfies a science lab requirement for state universities.

12260 AP BIOLOGY H

Prerequisites: Chemistry or AIM Chemistry H & AIM Biology H

Consumable Fee: \$20.00

1 Credit

This course is an accelerated biology course permitting students to receive college credit when qualifying scores are made on the AP Biology exam. A college level text will be used. This course satisfies a science lab requirement for state universities. Dual credit may also be obtained from the Maricopa Community College system for this program at high schools offering this option. Students who earn below 70% will not be eligible to take the next level *honors* course.

SCIENCE

12360 AP CHEMISTRY H 
Prerequisites: Chemistry or AIM
Chemistry H
Consumable Fee: \$20.00
1 Credit

Advanced Placement Chemistry is an accelerated chemistry program permitting students to receive college credit when qualifying scores are made on the AP Chemistry exam. This course satisfies a science lab requirement for state universities. Dual credit may also be obtained from the Maricopa Community College system for this program at high schools offering this option. Students who earn below 70% will not be eligible to take the next level *honors* course.

12460 AP PHYSICS I H 
Prerequisites: Biology and College
Algebra or Pre-
Calculus/Trigonometry
Consumable Fee: \$20.00
1 Credit

Advanced Placement Physics is an accelerated physics program permitting students to receive college credit when qualifying scores are made on the AP Physics exam. A college text will be used. This course satisfies a science lab requirement for state universities. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option. Students who earn below 70% will not be eligible to take the next level *honors* course.

12461 AP PHYSICS II H
Prerequisites: College Algebra or
PreCalculus and AP Physics I
Consumable Fee: \$20.00
1 Credit

This is a second year physics course. The course will build on the first year physics concepts. AP Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. This course satisfies a science lab requirement for state universities. Students who earn below 70% will not be eligible to take the next level *honors* course.

**12170 IB ENVIRONMENTAL
SYSTEMS & SOCIETIES H**
Prerequisites: AIM Chemistry H
and AIM Biology H or Biology and
Chemistry
Consumable Fee: \$20.00
1 Credit

IB Environmental Systems and Societies is an advanced science program that is lab intensive and includes the topics: systems and models, the ecosystem, human population-carrying capacity and resource use, conservation and biodiversity, pollution management, the issues of global warming, and environmental value systems. It is a rigorous course that will utilize a college-level text, and students will be required to work with the other science disciplines on an International Baccalaureate Group 4 project. This course satisfies a science lab requirement for state universities.

12270 IB BIOLOGY I H
Prerequisites: 70% or higher
required in Integrated Science
Consumable Fee: \$20.00
1 Credit

Biology is the study of living organisms and the focus of the course will provide students with a global understanding of the principles of biology. The central themes will enable students to gain an appreciation for the diversity and complexity of various organisms and environments from the molecular level to the biospheric level. The global perspective will also give students an appreciation for the diversity of life and ecosystems throughout the world as well as bioethical issues and the human impact on our world. Students will understand that decisions about the environment that are made in one region will impact the lives of people worldwide. This course satisfies a science lab requirement for state universities.

12271 IB BIOLOGY II H
Prerequisites: 70% or higher
required in IB Biology I H
Consumable Fee: \$20.00
1 Credit

Biology is the study of living organisms, and the focus of the course will provide students with a global understanding of the principles of biology. The central themes will enable students to gain an appreciation for the diversity and complexity of various organisms and environments from the molecular level to the biospheric level. The global perspective will also give students an appreciation for the diversity of life and ecosystems throughout the world as well as bioethical issues and the human impact on our world. Students will understand that decisions about the environment that are made in one region will impact the lives of people worldwide. This class is the second part of a two year course of study of High Level IB Biology leading to an award of the IB Diploma or Certificate.

12375 IB CHEMISTRY SL
Prerequisites: AIM Science I and
AIM Science II
1 Credit

IB Chemistry is an International Baccalaureate Chemistry program that permits students to receive college credit when qualifying scores are attained on the IB exam.

Distinction between SL and HL

Group 4 students at standard level (SL) and higher level (HL) undertake a common core syllabus, a common internal assessment (IA) scheme and have some overlapping elements in the option studied. They are presented with a syllabus that encourages the development of certain skills, attributes and attitudes, as described in the "Assessment objectives" section of this guide.

While the skills and activities of group 4 science subjects are common to students at both SL and HL, students at HL are required to study some topics in greater depth, in the additional higher level (AHL) material and in the common options. The distinction between SL and HL is one of breadth and depth.

SCIENCE

12376 IB CHEMISTRY HL

Prerequisites: AIM Science I and
AIM Science II
1 Credit

IB Chemistry is an International Baccalaureate Chemistry program that permits students to receive college credit when qualifying scores are attained on the IB exam.

Distinction between SL and HL

Group 4 students at standard level (SL) and higher level (HL) undertake a common core syllabus, a common internal assessment (IA) scheme and have some overlapping elements in the option studied. They are presented with a syllabus that encourages the development of certain skills, attributes and attitudes, as described in the “Assessment objectives” section of this guide.

While the skills and activities of group 4 science subjects are common to students at both SL and HL, students at HL are required to study some topics in greater depth, in the additional higher level (AHL) material and in the common options. The distinction between SL and HL is one of breadth and depth.

12470 IB PHYSICS H

Prerequisites: Integrated Advanced
Algebra H or College Algebra, Pre-
IB or equivalent sciences & Jr. or Sr.
Consumable Fee: \$10.00
1 Credit

IB Physics H is an advanced physics program that is lab intensive and includes the topics of mechanics, thermodynamics, waves, electricity and magnetism, atomic and nuclear physics, and relativity. It is a rigorous course that will utilize a college text; and students will be required to work with other science disciplines on an international Baccalaureate Group 4 project. This course satisfies a science lab requirement for state universities.

12370 IB SPORTS, EXERCISE, & HEALTH SCIENCE H

Prerequisites:
1 Credit

This course will provide IB students with another science course in their program. Students will explore a variety of Sport, Exercise, & Health Science topics using a variety of methods of inquiry from data collection & processing to investigating student derived research questions. Students will utilize scientific principles and methodologies to explore and understand the interrelationships of sport, exercise & health science topics to evaluate associated risks and various performance topics.

H* honors option available in this course

3212410 PHYSICAL SCIENCE IN THE REAL WORLD

Prerequisites: None
1 Credit

Students in Physical Science in the Real World will identify and investigate several topics: the Periodic Table of Elements in relation to real-world product use (gold in jewelry, aluminum in foil wrap, etc.), recognize and investigate real-world examples of physical and chemical changes to matter, identify and investigate objects in motion in terms of distance, speed, position, acceleration and time, describe and investigate examples of energy and energy transfers in daily life (light bulb, car engine, sound in a radio, etc.), investigate the effects of change in frequency, wavelength or speed on light and sound and identify technologies in everyday life that meet human needs. These topics will be connected to students' daily lives and skills necessary to understand the physical elements in the world in which they live. This course is taught by a special education teacher within a specialized program.

PUSD HS SCIENCE PATHWAYS

CURRENT SCIENCE PATHWAYS					
Year/Path	General	Honors	AP	International Baccalaureate	Special Education
9 th	Integrated Science Ag Science 1	AIM Chemistry	AIM Chemistry	AIM Biology	PBS/LSC/ISC/LS Integrated Science
10 th	Biology Ag Science 2	AIM Biology	AIM Biology	AIM Chemistry	PBS/LSC/ISC/LS Biology
11 th	Chemistry Environmental Physics Human Physiology Biological Applications and Technology	Environmental Physics Human Physiology Biological Applications and Technology	AP Biology AP Chemistry AP Physics I H (calculus) AP Physics II H	IB Environmental System and Societies SL IB Biology SL IB Physics SL IB Sports Exercise and Health SL	PBS/LSC/ISC/LS Environmental
12 th	Chemistry Environmental Physics Human Physiology Biological Applications and Technology	Environmental Physics Human Physiology Biological Applications and Technology	AP Biology AP Chemistry AP Physics I H (calculus) AP Physics II H	IB Biology HL IB Environmental System and Societies SL IB Physics SL IB Sports Exercise and Health SL	

IB Program at Ironwood HS Only

See course descriptions for details

IB Biology I H

IB Biology II H

IB Environmental Systems & Societies H

IB Physics H

IB Sports, Exercise, & Health Science H

H* honors option available in this course

FUTURE SCIENCE PATHWAYS BEGINNING WITH CLASS OF 2021

Year/Path	General	Honors	AP	International Baccalaureate	Special Education
9 th	Biology Ag Science I	Pre AP Biology	Pre AP Biology	IB Prep Biology	PBS/LSC/ISC/LS Biology
10 th	Ag Science I Ag Science II (pre-req Ag Sci I) <i>Courses below have a Pre-req. of</i> Biology Chemistry Earth Science Environmental Science Physics Human Physiology Biological Applications and Technology Biotechnology	Pre AP Chemistry Pre AP Environmental Pre AP Physics (algebra-based)	Pre AP Chemistry	IB Prep Chemistry	PBS/LSC/ISC/LS Environmental Earth Science Chemistry
11 th	<i>Courses below have a Pre-req. of</i> Biology Ag Science II Chemistry Earth Science Environmental Science Physics Human Physiology Biological Applications and Technology Biotechnology	Pre AP Chemistry Pre AP Environmental Pre AP Physics (algebra-based) Human Physiology Biological Applications and Technology	AP Biology AP Chemistry AP Physics I H (algebra-based) AP Physics II H (algebra-based) AP Environmental	IB Environmental System and Societies SL IB Biology SL IB Physics SL IB Sports Exercise and Health SL	PBS/LSC/ISC/LS Environmental Earth Science Chemistry
12 th	<i>Courses below have a Pre-req. of</i> Biology Chemistry Earth Science Environmental Science Physics Human Physiology Biological Applications and Technology Biotechnology	Pre AP Chemistry Pre AP Environmental Pre AP Physics (algebra-based) Human Physiology Biological Applications and Technology	AP Biology AP Chemistry AP Physics I H (algebra-based) AP Physics II H (algebra-based) AP Environmental	IB Biology HL IB Environmental System and Societies SL IB Physics SL IB Sports Exercise and Health SL	PBS/LSC/ISC/LS Environmental Earth Science Chemistry

Students must complete three credits of social studies core courses in order to graduate. Courses coded with an * meet the PUSD graduation requirements as a substitute for one of the core courses.

SOCIAL STUDIES

CORE COURSES

World History ☐	1 Credit
World History SI	1 Credit
AZ/US History ☐	1 Credit
American Economics ☐	½ Credit
AZ/American Government ☐	½ Credit

ELECTIVE COURSES

AIM Global Humanities H	1 Credit
AIM World History & Geography H*	1 Credit
AP World History H*	1 Credit
AIM AZ/US History H*	1 Credit
AP AZ/US History H*	1 Credit
IB American History H*	1 Credit
IB History IV H	1 Credit
American Economics H* ☐	½ Credit
AZ/American Government H* ☐	½ Credit
AP Macroeconomics H*	½ Credit
AP Microeconomics H*	½ Credit
AP Government H*	1 Credit
IB Economics (HL) H*	1 Credit
Geography	1 Credit
Law in American Society	1 Credit
Psychology	½ Credit
Sociology	½ Credit
Advanced Psychology	½ Credit
Student Government	1 Credit
AP European History H	1 Credit

13150 AIM GLOBAL HUMANITIES H
Prerequisites: AIM screening & selection process, concurrent enrollment in AIM English I H
 1 Credit

In this first course of a rigorous two-year interdisciplinary program, students integrate their explorations of literature and literary forms, world history, art and music appreciation, philosophy, sociology, and man’s general cultural heritage. Emphasis is on the historical development of culture and on the human dynamics of cultural change. The writing of research papers and literary essays will be required along with significant independent reading. Students who earn below 70% will not be eligible to take the next level *honors* course. This course counts as a CTE or Fine Arts elective.

13200 WORLD HISTORY ☐
Prerequisites: Sophomore status preferred
 1 Credit

World History surveys the development of the world from its earliest beginnings to the present day. Emphasis is on the political, economic, geographic and cultural/societal changes that have occurred throughout Earth’s history and their effects on the development of civilization.

13210Y WORLD HISTORY SI
Prerequisites: Sophomore status preferred
 1 Credit

This year-long course emphasizes the historical development of world culture from its earliest beginnings to the present day. Emphasis is on the political, economic, geographic and cultural/societal changes that have occurred throughout Earth’s history and their effects on the development of civilization. The content will be delivered and assessed in Spanish focusing on three modes of communication in the target language: interpersonal (person to person speaking or writing), interpretive (listening and reading) and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through basic conversational and grammatical structures in the target language. Pre-requisite for this course will be a passing grade in Spanish II or a Spanish II competency test earning 70% or higher. Upon successful completion of this course, students will earn one core credit for Spanish III and one core credit for World History.

3013200 PBS WORLD HISTORY
Prerequisites: District placement
 1 Credit

World History surveys the development of the world from its earliest beginnings to the present day. Emphasis is on the political, economic, geographic and cultural/societal changes that have occurred throughout Earth’s history and their effects on the development of civilization. Students are provided behavioral interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

3113200 LSC WORLD HISTORY
Prerequisites: District placement
 1 Credit

World History surveys the development of the world from its earliest beginnings to the present day. Emphasis is on the political, economic, geographic and cultural/societal changes that have occurred throughout Earth’s history and their effects on the development of civilization. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a highly qualified special education teacher.

SOCIAL STUDIES

3213200 LS WORLD HISTORY

Prerequisites: District placement
1 Credit

World History surveys the development of the world from its earliest beginnings to the present day. Emphasis is on the political, economic, geographic and cultural/societal changes that have occurred throughout Earth's history and their effects on the development of civilization. This course is specifically designed to align to the State alternate assessment standards. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

3513200Y ISC WORLD HISTORY

Prerequisites: District placement
1 Credit

World History surveys the development of the world from its earliest beginnings to the present day. Emphasis is on the political, economic, geographic and cultural/societal changes that have occurred throughout Earth's history and their effects on the development of civilization. Students are provided social, communication, and sensory interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

13250 AIM WORLD HISTORY & GEOGRAPHY

Prerequisites: AIM screening & selection process, concurrent enrollment in AIM English II H
1 Credit

In this second course of a rigorous, two-year interdisciplinary program, students integrate their explorations of literature and literary forms, world history, art and music appreciation, philosophy, sociology, and man's general cultural heritage. Emphasis is on the historical development of culture and on the human dynamics of cultural change. The writing of research papers and literary essays will be required along with significant independent reading. Students who earn below 70% will not be eligible to take the next level *honors* course. This course fulfills the World History core course requirement.

13260 AP WORLD HISTORY H

Prerequisites: AIM Global Humanities recommended
1 Credit

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contact in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence. Periodization, explicitly discussed, forms an organizing principle to address change and continuity throughout the course. Students who earn below 70% will not be eligible to take the next level AP or honors course.

13300 AZ/US HISTORY ☐

Prerequisites: World History
1 Credit

AZ/US History, a requirement for graduation, surveys the development of America from its earliest beginning to the present day. Emphasis is on the political, economic, geographic and cultural/societal changes that occurred throughout American history and their effects on the development of our nation.

3013300 PBS AZ/US HISTORY

Prerequisites: District placement
1 Credit

AZ/US History surveys the development of America from its earliest beginning to the present day. Emphasis is on the political, economic, geographic and cultural/societal changes that occurred throughout American history and their effects on the development of our nation. Students are provided behavioral interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

3113300 LSC AZ/US HISTORY

Prerequisites: District placement
1 Credit

AZ/US History surveys the development of America from its earliest beginning to the present day. Emphasis is on the political, economic, geographic and cultural/societal changes that occurred throughout American history and their effects on the development of our nation. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a highly qualified special education teacher.

3213300 LS AZ/US HISTORY

Prerequisites: District placement
1 Credit

AZ/US History surveys the development of America from its earliest beginning to the present day. Students will be exposed to the political, economic, geographic and cultural/societal changes that occurred throughout American history and their effects on the development of our nation. This course is specifically designed to align to the State alternate assessment standards. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

3513300Y ISC AZ/US HISTORY

Prerequisites: District placement
1 Credit

AZ/US History surveys the development of America from its earliest beginning to the present day. Emphasis is on the political, economic, geographic and cultural/societal changes that occurred throughout American history and their effects on the development of our nation. Students are provided social, communication, and sensory interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

SOCIAL STUDIES

13350 AIM AZ/US HISTORY H

Prerequisites: AIM Global Humanities, concurrent enrollment in AIM American Lit H
1 Credit

This rigorous interdisciplinary course is designed for academically talented and able students. Emphasis is on the historical development of American culture, its impact on American society today, and the possible ramifications for the future. The writing of research papers and literary essays will be required along with significant independent reading. Students who earn below 70% will not be eligible to take the next level honors course.

13360 AP AZ/US HISTORY H

Prerequisites: World History of AIM H, World History & Geography H
1 Credit

AP AZ/U.S. History H is a college-level course that fulfills the high school graduation requirement. It includes the study of Arizona history, evaluation of primary source material, examination and explanation of political cartoons, and the analysis of several historical works. It is recommended that students possess highly proficient reading, writing and research skills in order to complete term papers, essays, and the Advanced Placement exam. After completing this course, students are expected to take the Advanced Placement exam. College credits may be earned depending upon examination results and college standards. This is an accelerated college-style course. Students who earn below 70% will not be eligible to take the next level honors course.

13370 IB AMERICAN HISTORY H

Prerequisites: World History or AIM H & Geography H
1 Credit

This course is designed to simultaneously fulfill the Arizona State Standards for AZ/US History, PUSD graduation requirements and the academic preparatory needs for the IB group 3 individuals and societies. Students will begin a two year history training process. The IB History Internal Assessment process will be started and collected. This course focuses on American history from exploration to the present. Regular essay, identifications, student presentations and objective assessments will be used to monitor student progress.

13371 IB HISTORY IV H

Prerequisites: IB American History H
1 Credit

This class will focus on the events of the 20th century in the United States and the world. Use of original sources, historiography, and varying perspectives will be used to process events in a critical fashion. Students will prepare for and take the Higher Level International Baccalaureate History tests. Students should have completed IB American History H prior to enrolling in this course.

13400 AMERICAN ECONOMICS

Prerequisites: AZ/US History
½ Credit

Economics is a required one-term social science course at the senior level. The goal of studying economics is to ensure that students make reasoned judgments about both personal economic questions and broader questions of economic policy. This study includes, but is not limited to, supply and demand, money and banking, business organizations, competition, and taxation.

3013400 PBS AMERICAN ECONOMICS

Prerequisites: District placement
½ Credit

Economics is a required one-term social science course at the senior level. The goal of studying economics is to ensure that students make reasoned judgments about both personal economic questions and broader questions of economic policy. This study includes, but is not limited to, supply and demand, money and banking, business organizations, competition, and taxation. Students are provided behavioral interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

3113400 LSC AMERICAN ECONOMICS

Prerequisites: District placement
½ Credit

Economics is a required one-term social science course at the senior level. The goal of studying economics is to ensure that students make reasoned judgments about both personal economic questions and broader questions of economic policy. This study includes, but is not limited to, supply and demand, money and banking, business organizations, competition, and taxation. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a highly qualified special education teacher.

3213400 LS AMERICAN ECONOMICS

Prerequisites: District placement
½ Credit

The goal of studying basic economics is to expose students to personal economics. This course exposes students to money and banking. This course is specifically designed to align to the State alternate assessment standards. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

13401 AZ/AMERICAN GOV'T

Prerequisites: AZ/US History
½ Credit

AZ/American Government is a required one-term social science course at the senior level. The goal of studying government is to analyze the foundations, structure and functions of the United States' and Arizona's system of government, as well as the role citizens play in these systems.

SOCIAL STUDIES

3013401 PBS AZ/AMERICAN GOV'T

Prerequisites: District placement
½ Credit

AZ/American Government is a one term social science course at the senior level. The goal of studying government is to analyze the foundations, structure and functions of the United States' system of government, as well as the role citizens play in this system and how our system compares to other systems around the world. Students are provided behavioral interventions in order to successfully access the curriculum. This course is taught by a highly qualified special education teacher.

3113401 LSC AZ/AMERICAN GOV'T

Prerequisites: District placement
½ Credit

AZ/American Government is a one term social science course at the senior level. The goal of studying government is to analyze the foundations, structure and functions of the United States' system of government, as well as the role citizens play in this system and how our system compares to other systems around the world. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a highly qualified special education teacher.

3213401 LS AZ/AMERICAN GOV'T

Prerequisites: District placement
½ Credit

The goal of studying government is to expose students to the United States' system of government, as well as the role of citizens. This course is specifically designed to align to the State alternate assessment standards. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

13440 AMERICAN ECONOMICS H

Prerequisites: AP AZ/US History H
½ Credit

American Economics H examines the core curriculum at its greatest depth and includes the additional topic of comparative economic systems. It is ideal preparation for the college-bound student interested in the social sciences and business. It is recommended that students possess highly proficient reading, writing and research skills.

13441 AZ/AMERICAN GOV'T H

Prerequisites: AP AZ/US History H
½ Credit

AZ/American Government H examines the U.S. Constitution as originally written and interpreted through the years. The study includes the three branches of federal, state and local government, our roles as citizens, and current events. Emphasis is on class discussion, event readings, and essay testing.

13460 AP MACROECONOMICS H

Prerequisites: 70% or higher in Algebra I
½ Credit

AP Macroeconomics will provide a thorough understanding of the principles of Economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price determination, and also develops familiarity with economic performance measures, economic growth, and international economics.

13461 AP MICROECONOMICS H

Prerequisites: 70% or higher in Algebra I
½ Credit

AP Microeconomics will provide a thorough understanding of the principles of Economics that apply to the functions of the individual decision maker; both consumers and producers, within the larger economic system of a mixed market economy. It places primary emphasis on the natural and functions of product markets, and includes the study of markets and the role of government in promoting greater efficiency and equity in the economy.

13462 AP GOVERNMENT H

Prerequisites: 70% or higher in AZ/US History prior H SS course
1 Credit

AP Government course provides an analytical perspective on government and politics. This course involves both the study of general concepts used to interpret politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute political reality.

13470 IB ECONOMICS (HL) H

Prerequisites: American Economics or prior Honors Social Studies course
1 Credit

In this rigorous program, students will use critical thinking to explore the use of scarce resources relative to the wants and needs of individuals and societies. Students will decipher how, as a result of scarce resources, people choose to allocate goods and services among competing uses. Students will also analyze how choices and trade-offs significantly affect the quality of people's lives and explain historical developments and patterns, the results of trade, and the distribution of income and wealth in local, regional, national, and world economies. Understanding the process and components of economic reasoning will also provide a vital framework within which to analyze current issues and public policies, and to understand the complex relationships among economic, political, and cultural systems.

13500 GEOGRAPHY

Prerequisites: None
1 Credit

The goal of geography is to provide an understanding of the human and physical characteristics of the Earth's places and regions. Students will examine how people of different cultural backgrounds interact with their environment. They will understand how the United States and the students' community are affected by conditions and events in both near and distant places. By learning to think spatially, students of geography will learn to analyze locations, places, and their relationships.

SOCIAL STUDIES

13502 LAW IN AMERICAN SOCIETY

Prerequisites: Criminal Justice
1 Credit

This course is an extension of law related programs as well as U.S history and government classes currently being offered, and is an advanced course of study. This course provides the opportunity for students to undertake in-depth exploration and application of constitutional and Bill of Rights issues of law such as legal restrictions and individual rights and liberties granted to citizens and/or the government. Students will examine how historical decisions affect contemporary statutes and United States society in general. The focus of the course will be on accessing, analyzing, and evaluating information as well as a presentation or a project.

13503 PSYCHOLOGY

Prerequisites: Junior or Senior status
½ Credit

Psychology surveys the development of theory and therapy within the discipline. The course is designed to examine human behavior on a personal level and from a theoretical standpoint. An emphasis has been placed on the psychoanalytic, behaviorist, and humanist approaches to growth and behavioral changes.

13504 SOCIOLOGY

Prerequisites: Junior or Senior status
½ Credit

This is an introductory survey course designed to examine the ways people interact with one another. Topics will include relationships in groups, family, and society. Vital issues and social problems will also be covered. A discussion and examination of these topics will give the student a better understanding of self and relationships with others.

13505 ADV. PSYCHOLOGY

Prerequisites: Psychology
½ Credit

Advanced Psychology builds on the basic concepts taught in Psychology and Sociology. This course is designed to identify healthy progressions of life span developments, with an emphasis on research and analysis of theories and therapies. The course will also explore into diagnosis, treatment, and prevention of unhealthy personalities.

13506 STUDENT GOVERNMENT

Prerequisites: Each member must be elected to a student body 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, creating presentations, and evaluation skills in facilitating the administration of Student Council activities. Activities shall include the study of effective leaders, character development, and critical thinking, as well as individual growth in these areas. Participation in grade-level cohort activities will also be included. This course may be repeated for credit.

13560 AP EUROPEAN HISTORY H

Prerequisites: Prior Honors Social Studies course
1 Credit

This course will provide a broad-based background in the political, social, cultural, ethnic, and religious history of Europe focusing on the period from the Renaissance through the present. The interrelationships of these areas and the lasting impact on Europe and the world will be major areas of emphasis. The material, periods of focus, and evaluation methods will parallel those used on the national AP examination. This course will be offered for elective credit only and will not replace any required courses. After completing this course, students are expected to take the Advanced Placement exam. College credit may be earned depending upon examination results and college standards.

ELECTIVE COURSE OFFERINGS

ARTS EDUCATION

The mission of the PUSD Arts Education Department is to deliver an outstanding arts program for our students. We strive to foster the creation, understanding, appreciation and enjoyment of the arts through quality curriculum and instruction, community advocacy, and education leadership.



PUSD DEPARTMENT OF ARTS EDUCATION BELIEVES:

- The workplace of the 21st century will be much different than what we have seen in the past few decades with a greater emphasis placed on creative thinking.
- Our students will need a whole new set of work skills including positive interpersonal skills, empathy for others, cultural awareness, creative-divergent thinking and problem solving for traditional problems, data synthesis, and the ability to plan and execute new and creative products in all aspects of their work.
- Students that are actively involved in any of our programs will be given the opportunity to solve arts related problems with an emphasis on self-expression.
- Students actively involved in the arts will likely perform better in core academic areas, have better attendance, and will likely perform better on standardized tests. More importantly, students will attain a lifelong appreciation for the arts.

OUR CURRICULAR FRAMEWORK

CONTENT KNOWLEDGE

Art is a language made up of its own words, symbols, and meanings. Understanding and using this language helps us to understand the arts

RESPONDING TO ART

Self-reflection and inquiry allow us to draw conclusions about the art we see and make.

VISUAL ARTS

Ceramics
Art
Photography
AP Advanced Visual
IB Art
IB Photography

PRODUCTS & PERFORMANCES

Artists are always learning new skills and are successful in their art when they can use these skills in new and creative ways.

PERFORMING ARTS

Band
Orchestra
Choir
Theater
Dance

"Arts for All"

Courses coded with an * meet the PUSD graduation requirement for either fine arts or career and technical education as well as the Arizona university system's fine arts subject area or career and technical education requirement for admission.

PERFORMING ARTS

CORE COURSES

ELECTIVE COURSES

Unified Performing Arts*	1 Credit
<u>BAND COURSES</u>	
Beginning Band*	1 Credit
Instrumental Ensemble *	1 Credit
Band/Marching*	1 Credit
Band/Concert*	1 Credit
Band/Advanced Concert	1 Credit
Band/Jazz*	1 Credit
Orchestra/Strings*	1 Credit
<u>CHOIR COURSES</u>	
Choral/Mixed*	1 Credit
Choral/Concert*	1 Credit
Choral/Ensemble*	1 Credit
Choral/Advanced Ensemble*	1 Credit
Music Theory*□	½ Credit
IB Music H*	1 Credit
<u>THEATER COURSES</u>	
Theater Arts I*	1 Credit
Theater Arts II*	1 Credit
Theater Arts III*	1 Credit
Theater Arts IV*	1 Credit
Production Design I*	1 Credit
Production Design II*	1 Credit
Production Design III*	1 Credit
Production Design IV*	1 Credit
IB Theater Arts III H*	1 Credit
IB Theater Arts IV H*	1 Credit
IB Theater Arts V H*	1 Credit
<u>DANCE COURSES</u>	
Beginning Dance*	1 Credit
Advanced Dance*	1 Credit
Performance Dance*	1 Credit
<u>MUSIC MASTERS</u>	
<i>CHOOSE ONE OF THE FOLLOWING:</i>	
Music Master – Piano/Keyboard*	1 Credit
Music Master – Guitar*	1 Credit
Music Master – Digital Music Technology*	1 Credit
Music Master – Secondary Instrument*	1 Credit
Music Master – Small Ensemble*	1 Credit
Music Master – Music Appreciation*	1 Credit

14515 UNIFIED PERFORMING ARTS*

Prerequisites: None
1 Credit

In this course, the focus is to create and promote an environment of respect, acceptance and unity campus wide, while participating in various areas of the performing arts: dance, theatre, band, and choir. General education students will team up with students from a specialized program in order to promote teamwork while working alongside one another in performances, teaching one another, and learning and growing from one another. Unified Performing Arts creates a unique bond through a series of experiences, along with consistent opportunities to socialize, problem solve and adapt to a variety of situations. This class is also designed to raise confidence and self-awareness in our students. This course may be repeated for credit.

PERFORMING ARTS

14090 BEG. BAND*

Prerequisites: None
1 Credit

This is a band for the student with less than one year or no experience. The student will be responsible for providing an instrument. The instruments studied can include: flute, clarinet, saxophone, trumpet, trombone, baritone, and drum. Consult with the band director if you do not have an instrument. This group may perform. Advancement to a higher level band is possible at mid-year. This course includes the study, rehearsal, and performance of marching band music and maneuvers. This band may perform field shows, parades, and adjudicated events. Students are required to attend all rehearsals and performances, some of which extend beyond the normal school day. This course may be repeated for credit.

14091 INSTRUMENTAL ENSEMBLE*

Prerequisites: Minimum one year of band instruction
1 Credit

This course includes the study, rehearsal and performance of intermediate band music. The group may perform in concerts and festivals. Performances are held outside the regular school day, and attendance at all of these events is required as a part of the student's grade. This course may be repeated for credit.

14100 BAND/MARCHING*

Prerequisites: Audition Only
1 Credit

This course includes the study, rehearsal, and performance of marching band music and maneuvers. This band may perform field shows, parades, and adjudicated events. Students are required to attend all rehearsals and performances, some of which extend beyond the normal school day. This course may be repeated for credit.

14101 BAND/CONCERT*

Prerequisites: Audition Only
1 Credit

This course includes the study, rehearsal and performance of concert band music. The group may perform in concerts and festivals. Performances are held outside the regular school day and attendance at all of these events is required as a part of the student's grade. This course may be repeated for credit.

14102 BAND/ADV. CONCERT*

Prerequisites: Audition
1 Credit

This is an advanced wind ensemble of experienced instrumental musicians selected by the director and/or the audition process. The course is designed to study, rehearse, and perform high quality instrumental music literature of all types. Special attention will be on high quality performance through careful consideration of all aspects of individual and ensemble music production. This is a performance group and attendance at all performances is required. Most performances occur after school hours. This course may be repeated for credit.

14103 BAND/JAZZ*

Prerequisites: Audition
1 Credit

This course includes the study, rehearsal and performance of jazz music. Students learn various styles and the basic elements of improvisation. The group performs in concerts and festivals. Most performances and festivals are held outside the regular school day and attendance at all of these events is required as a part of the student's grade. Admission to this course is by audition and/or with band director's approval. This course may be repeated for credit.

14104 ORCHESTRA/STRINGS*

Prerequisites: Audition
1 Credit

This course includes the study, rehearsal and performance of orchestral music. Students learn various styles and the basic elements of performance. The group may perform in concerts and festivals. Most performances and festivals are held outside the regular school day and attendance at all of the events is required as part of the student's grade. Admission to this course is by audition and/or with band director's approval. This course may be repeated for credit.

14200 CHORAL/MIXED*

Prerequisites: None
1 Credit

This is a choral group of boys and girls for the study, rehearsal, and performance of all types of vocal material. Special attention will be paid to vocal tone production, style, diction, and dynamics. Music reading is taught. This is an excellent background for those wishing to begin or further their vocal music studies. Several performances are scheduled throughout the year, and all performances are required. Most performances occur after school hours. This course may be repeated for credit.

14201 CHORAL/CONCERT*

Prerequisites: Audition
1 Credit

This is an advanced choral ensemble of experienced singers, selected by the director, designed for the study, rehearsal, and performance of high quality vocal literature of all types. Special attention will be on high quality performance through the study of vocal production, tone, quality, diction, and balance. Advanced music reading is taught. This is a performing group, and all performances are required. Most performances occur after school hours. This course may be repeated for credit.

PERFORMING ARTS

14202 CHORAL/ENSEMBLE*

Prerequisites: Audition
1 Credit

This is an advanced group of limited size selected by the director to study and perform high quality music. One must be a highly experienced singer with the ability to read music well. The group will perform a great deal, both in and out of school. This is a performing group, and all performances are required. Most performances occur after school hours. This course may be repeated for credit.

14204 CHORAL/ADV. ENSEMBLE*

Prerequisites: Audition
1 Credit

This is an advanced group of limited size, selected by the director via audition and prior vocal experience that will study and perform advanced choral literature. Students must be able to read music and have choir experience. The group performs often, both in and out of school. Several performances will be scheduled throughout the year and attendance at all performances is required. Most performances occur after school hours. This course may be repeated for credit.

14205 MUSIC THEORY*

Prerequisites: None
½ Credit

This is a course for students who desire to further their knowledge in the mechanics of music. Students will study keys, scales, chords, progressions, formal organization and analysis of composition of all styles, composing and arranging music. Keyboard instruction (as a visual means to understanding Music Theory) is available in this course. This course will provide excellent background for the serious musician. This course may be repeated for credit.

14270 IB MUSIC H*

Prerequisites: Music Theory
1 Credit

The musical perception and analysis portion of the course will focus on preparing the students to exhibit a familiarity with music genres and styles as they relate to the international picture. In their study of world music, students will study musical structure, elements, terminology and notations, historical and cultural context. In addition, the student is expected to work outside of class to develop skills in performance and/or composition. This course is designed to satisfy the IB Diploma/Certificate, Group 6 (Elective – Music) Standard Level and High Level requirements. This course is offered to juniors and seniors who have met the entrance requirements.

14300 THEATER ARTS I*

Prerequisites: None
1 Credit

This course is an overview of all phases of theater. Students will learn technical acting skills and be introduced to several character development techniques. Improvisation, script work, and theater history are the key components in theater I. Students are required to put in four hours each term on some phase of Theater, outside of class. Students are also required to see one outside production each semester. It is recommended that students pass the assessments for this course with 70% or better in order to continue on to Theater Arts II.

14301 THEATER ARTS II*

Prerequisites: 70% or better in Theater Arts I
1 Credit

This course is a continuation of Theater Arts I with increased emphasis on acting and the acting method in particular. Script work and children's theater are major components. Students are required to work a minimum of eight hours on some phase of production as well as see one outside production each semester. Students must pass the assessment for this course with 70% or better in order to continue on to Theater Arts III.

14302 THEATER ARTS III*

Prerequisites: 70% or better in Theater Arts II
1 Credit

This course is a continuation of Theater Arts II with an increased attention to a variety of acting skills and approaches to acting. Students are required to work a minimum of sixteen hours on some phase of all main stage productions, as well as see one outside production each semester. Students will be introduced to directing techniques and will assist in directing fellow students. Students must pass the assessment for this course with a 70% or better in order to continue on to Theater Arts IV.

14303 THEATER ARTS IV*

Prerequisites: 70% or better in Theater Arts III
1 Credit

This course is a continuation of Theater Arts III with increased attention to the variety of acting skills and periods of acting. Students are required to work a minimum of sixteen hours on some phase of all main stage productions, as well as see one outside production each semester. Students will continue practicing directing techniques and will assist in directing fellow students. This course may be repeated for credit.

14310 PRODUCTION DESIGN I*

Prerequisites: Theater I
Consumable Fee: \$20.00
1 Credit

Production Design I teaches the fundamentals of backstage execution and design. There is an emphasis on analysis, design and evaluation of scripts and production requirements. Students will also focus on set construction, costuming, props, make-up, business management, sound and lighting techniques. Students must pass the assessment for this course with 70% or better in order to continue on to Production Design II.

PERFORMING ARTS

14311 PRODUCTION DESIGN II * <i>Prerequisites:</i> Production Design I Consumable Fee: \$20.00 1 Credit	Production Design II is the second course in Production Design and allows students to focus on personal areas of interest. Students are required to complete four design projects and present them in portfolio format to a panel of adjudicators. Students must be a crew member for a main stage production. Students must pass the portfolio assessment for this course with 70% or better in order to continue on to Production Design III.
14312 PRODUCTION DESIGN III* <i>Prerequisites:</i> Production Design II Consumable Fee: \$20.00 1 Credit	Production Design III is the third course in Production Design and allows students to continue to individually focus on their own areas of interest. Students are required to complete four additional design projects in this course, two of which must be in new areas. Students will present eight design projects in portfolio format to a panel of adjudicators. Students must assist a crew head for a main stage production. Students must pass the portfolio assessment for this course with 70% or better in order to continue on to Production Design IV.
14313 PRODUCTION DESIGN IV* <i>Prerequisites:</i> Production Design III Consumable Fee: \$20.00 1 Credit	Production Design IV is the fourth course in Production Design and allows students to continue to focus on their areas of interest. Students are required to complete four additional design projects this year. All of these may be chosen by the student and must be representative of all categories. Students will present twelve design projects in portfolio format. Students must be head of a crew for a main stage production. This course may be repeated for credit.
14370 IB THEATER ARTS III H* <i>Prerequisites:</i> 70% or better in Theater Arts II 1 Credit	IB Theater Arts III is a pre-university course of study that focuses on world literature and multicultural theater. The IB Theater Arts program is designed to help students understand the purposes of theater; to develop an awareness of multicultural theatrical styles and genres; to develop their artist abilities; to become sensitive and caring artists; to better understand themselves and the world around them. This first course of a three-year advanced program will prepare the student to test at the standard level.
14371 IB THEATER ARTS IV H* <i>Prerequisites:</i> 70% or better in Theater Arts III 1 Credit	IB Theater Arts IV is a pre-university course of study that focuses on world literature and multicultural theater. The IB Theater Arts Program is designed to help students understand the purposes of theater; to develop an awareness of multicultural theatrical styles and genres; to develop their artist abilities; to become sensitive and caring artist; to better understand themselves and the world around them. This second course of the three-year advanced theater program will prepare the student to test at the IB Theater Arts Higher Level.
14372 IB THEATER ARTS V H* <i>Prerequisites:</i> 70% or better in IB Theater Arts IV H 1 Credit	IB Theater Arts IV H is a pre-university course of study that focuses on world literature and multicultural theater. The IB Theater Arts Program is designed to help students understand the purposes of theater; to develop an awareness of multicultural theatrical styles and genres; to develop their artist abilities; to become sensitive and caring artist; to better understand themselves and the world around them. This third course of the three-year advanced theater program will prepare the student to test at the IB Theater Arts Higher Level.
14400 BEG. DANCE* <i>Prerequisites:</i> None Consumable Fee: \$10.00 1 Credit	This course is an introduction into Ballet, Jazz, and Modern Dance. The emphasis of the class is on technique and alignment. Various turns, leaps and formal steps will be taught as well as an introduction into choreography. Students need no previous dance experience to succeed in this course. Dance wear is required. Students are required to perform in some capacity for dance productions. This course may only be repeated <u>once</u> for credit.
14401 ADV. DANCE* <i>Prerequisites:</i> Beginning Dance Consumable Fee: \$10.00 1 Credit	Advanced Dance is a more serious study of dance. Further training in Ballet, Jazz, Modern Dance, and choreography is taught. Technically difficult combinations of steps and turns are emphasized as well as continued improvement in alignment. Students are required to perform in some capacity for dance productions. Dance wear is required. This course may be repeated for credit.
14402 PERFORMANCE DANCE* <i>Prerequisites:</i> Audition Consumable Fee: \$10.00 1 Credit	This course will provide an opportunity for students who have mastered advanced techniques and are ready for a more intense study of choreography and performance. Students perform in two formal concerts and numerous informal shows throughout the year. Dance wear is required. Student selection is based on technique, knowledge, and past performance. This course may be repeated for credit.

PERFORMING ARTS

14206 MUSIC MASTER – Piano/Keyboard*
Prerequisites: None
Consumable Fee: \$25.00
1 Credit

This course serves as both an introductory and an advanced keyboard class. It includes the study, rehearsal, and performance of the piano. Through this course students will learn basic theory skills, keyboard technique, and performance practices. Students will learn music in various styles and will have the opportunity to learn basic composition skills. This course allows students to progress at their own level and offers instruction for the beginning player as well as the more advanced performer. There may be required after school performances associated with this class.

14207 MUSIC MASTER – Guitar*
Prerequisites: None
Consumable Fee: \$20.00
1 Credit

This course includes the study, rehearsal, and performance of the guitar. It features an overview of music theory for the guitar, reading and performing guitar literature in different styles, composition, and the sharing of original music. This course will also teach ear training, chords and scales, and music notation skills allowing students to put on paper the music they hear. There may be required after school performances associated with this class.

14208 MUSIC MASTER – Digital Music Technology Lab*
Prerequisites: None
1 Credit

This course will explore the making of music through computer-generated technology. Students will learn basic music theory from their compositions on the computer and will compose first from pre-recorded loops and second from recordings they make themselves. Students will use software as a digital workstation recording and playing back multiple tracks of audio chosen and performed by the student. Students may also work collaboratively with other performing and visual arts student to create presentation quality music tracks.

14209 MUSIC MASTER – Secondary Instrument*
Prerequisites: None
1 Credit

This course is offered to all existing band members who want to expand their breadth in instrument choice. The course focuses on the playing of a new and unfamiliar instrument. Students will use their pre-existing knowledge of music concepts with the goal of apply this to new instrumentation. There may be required after school performances associated with this class.

14210 MUSIC MASTER – Small Ensemble*
Prerequisites: None
1 Credit

Small ensemble is a course that features specially organized and selected instrumentation. The course covers music performance skills, small ensemble issues, specific instrumental or vocal techniques, and basic music theory. Examples of small ensembles could include percussion class, steel band, woodwind choir, jazz choir, madrigal choir, jazz combo, mariachi, or other groups as determined through the needs of the school with guidance from the teacher. This course can include performances that occur outside the school day. Each site director will determine the ensembles that are best for the students.

14211 MUSIC MASTER – Music Appreciation*
Prerequisites: None
1 Credit

This course will explore a variety of musical genres and study the importance of music in history and culture. Students will be exposed to many styles ranging from the origins of music through modern rock and roll, with an emphasis on critical thinking skills, and critique and evaluation skills. This course will increase the student's awareness of composers and performers of many people, cultures, and historical time periods through listening and concert experiences. Some concert activities may occur outside the school day and are required.

VISUAL ARTS

CORE COURSES

ELECTIVE COURSES

ART COURSES

Art I*	1 Credit
Art II*	1 Credit
Art III*	1 Credit
Art IV*	1 Credit
IB Art III H	1 Credit
IB Art IV H	1 Credit
IB Art V H	1 Credit
Advertising Art I*	1 Credit
Advertising Art II*	1 Credit
Advertising Art III*	1 Credit
Advertising Art IV*	1 Credit

CERAMICS COURSES

Ceramics I*	1 Credit
Ceramics II*	1 Credit
Ceramics III*	1 Credit
Ceramics IV*	1 Credit

PHOTO COURSES

Photo I*	1 Credit
Photo II*	1 Credit
Photo III*	1 Credit
Photo IV*	1 Credit
Photographic Productions*	1 Credit
IB Photo III H	1 Credit
IB Photo IV H	1 Credit
IB Photo V H	1 Credit

15100 ART I*

Prerequisites: None
Consumable Fee: \$25.00
1 Credit

This course is designed to develop a deeper understanding and enjoyment of art and its relationship to everyday life. Students receive hands-on experience with a wide variety of art materials incorporating the elements and principles of design. Students will begin preparation of a portfolio.

15101 ART II*

Prerequisites: Art I
Consumable Fee: \$25.00
1 Credit

Art II is an intermediate study of art where students will apply previous elements and principles of art through drawing and painting with wet and dry media. Art criticism and a look at how art history impacts our lives are primary areas of student development and study. Further portfolio development will continue as a class emphasis.

15102 ART III*

Prerequisites: Art II
Consumable Fee: \$25.00
1 Credit

Students will be extending their study and experiences in art. Opportunities are given for students to work and further investigate a variety of new techniques and media. Portfolio development will be emphasized.

15103 ART IV*

Prerequisites: Art III
Consumable Fee: \$25.00
1 Credit

Students will apply the knowledge gained from Art II and III to further investigate and create artwork in which they are most interested. Students will be encouraged to complete a portfolio by the end of the year. This course may be repeated for credit.

15170 IB ART III H*

Prerequisites: Art II
Consumable Fee: \$25.00
1 Credit

This course will provide students with the opportunity to develop an understanding of personal, social, cultural and aesthetic experiences. The course will encourage an inquiring and integrated approach to the visual arts and will promote visual and contextual knowledge of art from various cultures. The course will encourage quality visual representation through experimentation and purposeful creative work in various art media. Students will have the opportunity to learn about themselves and others through involvement with the visual arts. The course is comprised of two interrelated components, studio work and a research workbook. The studio work will demonstrate the student's ability to solve formal and technical problems inherent to the medium and will reflect a high level of personal, social, cultural and aesthetic understanding. The research workbook will reflect the students' research, processes and growth. This course is a component of the International Baccalaureate Program.

VISUAL ARTS

15171 IB ART IV H*

Prerequisites: Art III
Consumable Fee: \$25.00
1 Credit

This course will encourage an inquiring and integrated approach to the visual arts and will promote visual and contextual knowledge of art from various cultures. The course will encourage quality visual representation through experimentation and purposeful creative work in various art media. This course is comprised of two interrelated components, studio work and a research workbook. The studio work will demonstrate the student's ability to solve formal and technical problems inherent to the medium and will reflect a high level of personal, social, cultural and aesthetic understanding. The research workbook will reflect the students' research, processes and growth. This course is a component of the International Baccalaureate Program.

15172 IB ART V H*

Prerequisites: Art IV
Consumable Fee: \$25.00
1 Credit

This course requires students to prepare a portfolio of twelve to twenty finished works of art. The portfolio will reflect a high level of personal, social, cultural and aesthetic understanding and will demonstrate creative thinking, technical skill with art media. Knowledgeable use of elements and principles of design, and the ability to evaluate one's own work. This portfolio is formally exhibited. Students prepare research workbooks reflecting their processes and growth as they design, create and finish their works. Students meet with a visiting examiner appointed by IB to evaluate their accomplishments, intentions and understanding of art history and aesthetic topics. This course is a component of the International Baccalaureate Program.

15200 ADVERTISING ART I*

Prerequisites: Art I
Consumable Fee: \$25.00
1 Credit

Students will learn to communicate through illustration and design. They will develop advertising art and drawing skills in their many graphic design projects. Students will be encouraged to enter their projects in competitions such as poster and other design contests. Career and portfolio development will be an ongoing process in the Advertising Art class.

15201 ADVERTISING ART II*

Prerequisites: Advertising Art I
Consumable Fee: \$25.00
1 Credit

Students will study advanced techniques for using multiple wet and dry media to create powerful illustrations. From designing pages to seeing their creative ideas reveal their inspirations, students will advance to a higher level of visual communication. This course will organize as an advertising agency that can perform various functions that may include the school, community and allow for the opportunity to enter state contests.

15202 ADVERTISING ART III*

Prerequisites: Art II
Consumable Fee: \$25.00
1 Credit

The students will expand upon skills learned in Advertising Art I and II. Students will design and create advertising art products of portfolio quality with an emphasis on solving visual communication problems.

15203 ADVERTISING ART IV*

Prerequisites: Art III
Consumable Fee: \$25.00
1 Credit

The students will build upon skills learned in Advertising Art I, II, and III. Students will design and create a quality advertising art portfolio through the application of communicative and technical processes that may be published through contests in the community.

15300 CERAMICS I*

Prerequisites: None
Consumable Fee: \$25.00
1 Credit

The students will be introduced to the elements of clay, design, and glazes. They will learn various techniques in hand-built ceramic pieces such as pinch pot, coil, and slab methods. They will be expected to plan and design their own ceramic ware.

15301 CERAMICS II*

Prerequisites: Ceramics I
Consumable Fee: \$25.00
1 Credit

Students will investigate ceramics at an advanced level through hand-built sculpture, extensive use of the potter's wheel, and handmade glazes.

15302 CERAMICS III*

Prerequisites: Ceramics II
Consumable Fee: \$25.00
1 Credit

The students will build upon skills learned in Ceramics I and II. They will design and create original three-dimensional works that demonstrate understanding of the relationship between communication of individual ideas and the use of ceramic techniques and processes.

15303 CERAMICS IV*

Prerequisites: Ceramics III
Consumable Fee: \$25.00
1 Credit

The students will build upon skills learned in Ceramics I, II, and III. They will design and create an art portfolio of original three-dimensional artwork that demonstrates individual expression through the mastery of ceramic disciplines. This course may be repeated for credit.

VISUAL ARTS

15400 PHOTO I*

Prerequisites: None
Consumable Fee: \$25.00
1 Credit

In this class, students will learn the basic operation of cameras, image capture tools, and processing of photographic images. The class will use their film and/or media to make prints in a lab environment. The students will create several projects that make use of the technical controls on a variety of photographic equipment. Emphasis will be placed on assembling a portfolio that is artistically and technically correct. The consumable fee may not cover the entire cost of the projects. Student access to a 35mm and/or digital camera is strongly recommended.

15401 PHOTO II*

Prerequisites: Photo I
Consumable Fee: \$25.00
1 Credit

The Photo II class will expand on the skills acquired in Photo I to create prints featuring a variety of darkroom techniques. Emphasis will be on creative expression and the fine tuning of artistic composition. The final exam will be in the form of a completed portfolio that follows classroom assignments and provides evidence of artistic expression. The consumable fee may not cover the entire cost of projects. Access to a 35mm and/or camera is strongly recommended.

15402 PHOTO III*

Prerequisites: Photo II
Consumable Fee: \$25.00
1 Credit

The advanced photo students will expand their photographic experiences through a variety of intensive and challenging projects. Some projects involve advanced darkroom techniques as well as creative print enhancement. The students will continue to work on a portfolio that shows emphasis on visual communication as well as creative expression. The consumable fee may not cover the entire cost of projects. Access to a 35mm film and/or camera is strongly recommended.

15403 PHOTO IV*

Prerequisites: Photo III
Consumable Fee: \$25.00
1 Credit

The students will focus on a specific area of photography and develop a theme through a series of photographs. Experimentation in techniques and photographic materials are encouraged and permitted. Creation of a portfolio that exhibits excellence in craftsmanship, visual communication and personal style is required. The consumable fee may not cover the entire cost of projects. Access to a 35mm camera is strongly recommended. Note: This course will be offered in either a wet lab or a digital lab setting based on site facilities. This course may be repeated for credit.

15404 PHOTOGRAPHIC PRODUCTIONS*

Prerequisites: Photo
Consumable Fee: \$25.00
1 Credit

This course is provided for the student who desires to gain more experience in photographic medium. The emphasis is on actual photographic productions which include: photojournalism, photographic illustration, advertising, and commercial photography. Most of the instruction is one-on-one with the student based upon the student's knowledge and experience. This course may be repeated for credit.

15470 IB PHOTO III H*

Prerequisites: Photo II
Consumable Fee: \$25.00
1 Credit

The advanced photo students will focus on a specific area of photography and develop a theme through a series of photographs. Creation of a portfolio that exhibits excellence in craftsmanship as well as visual communication is required. The end objectives of the course will be divided between two areas of study. The first, generated from their studio work, will be a complete exhibition of a cohesive portfolio of photographs. The portfolio will demonstrate their ability to solve formal and technical problems inherent to the medium. The second component requires the students the students to produce a research workbook. This course is a component of the International Baccalaureate Program.

15471 IB PHOTO IV H*

Prerequisites: Photo III
Consumable Fee: \$25.00
1 Credit

Students in this advanced course will focus on a specific area of photography and develop a theme through a series of photographs. Creation of a portfolio that exhibits excellence in craftsmanship as well as visual communication is required. The end objectives of the course will be divided between two areas of study. The first, generated from their studio work, will be a complete exhibition of a cohesive portfolio of photographs. This portfolio will demonstrate their ability to solve formal and technical problems inherent to the medium. The second component requires the students to produce a research workbook. This course is a component of the International Baccalaureate Program.

VISUAL ARTS

15472 IB PHOTO V H*

Prerequisites: Photo III
Consumable Fee: \$25.00
1 Credit

This is the second of two International Baccalaureate courses in photography. The advanced photo students will continue to create a portfolio that exhibits excellence in craftsmanship as well as visual communication required. The students will explore and apply a variety of expressive forms of communication from diverse cultural contexts beyond their own. The end objectives of the course will be divided between two areas of study. The first, generated from their studio work, will be a complete exhibition of a cohesive portfolio of photographs. The exhibition will be assessed by a visiting IB examiner and will include a formal interview. The portfolio will demonstrate their ability to solve formal and technical problems inherent to the medium. The second component required the students to produce a research workbook. The workbook will demonstrate both visually and verbally how personal research has led to the understanding of the topics and techniques that apply to the development of their portfolio. This course is a component of the International Baccalaureate Program.

PHYSICAL EDUCATION

CORE COURSES

ELECTIVE COURSES

Personal Fitness ☐
Adaptive PE

1 Credit
1 Credit

Advanced PE	1 Credit
Aerobic Fitness Training	½ Credit
Recreational Sports	½ Credit
Beg. Strength and Conditioning	1 Credit
Adv. Strength and Conditioning	1 Credit
Unified Sports	1 Credit
Health ☐	½ Credit
Driver Education ☐	½ Credit

17100/17101 PERSONAL FITNESS ☐

Prerequisites: None – Students must complete Personal Fitness before taking other P.E. courses
Towel Fee (optional): \$5.00
1 Credit

This course is designed to be a personal course that focuses on the students and his/her wellness. Students will learn about total wellness and assess health and fitness levels. Students will participate in fitness enhancing activities.

3217100 LS PERSONAL FITNESS

Prerequisites: District placement
1 Credit

This course is designed to be a personal course that focuses on the students and his/her wellness. Students will learn about total wellness and assess health and fitness levels. Students will participate in modified fitness enhancing activities. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

17500 ADAPTIVE PE

Prerequisites: Meets eligibility criteria
1 Credit

This course is designed to be a personal course that focuses on the students as an individual. Students will learn how to assess their own health and fitness levels and, based on that information, evaluate their needs. Students will participate in fitness enhancing activities. Adaptive measures will be taken as appropriate.

17501/17502 ADV. PE

Prerequisites: Personal Fitness
Towel Fee (optional): \$5.00
1 Credit

This course is designed for students with a continuing interest in physical education. The activities will cover a wide range of sports and outdoor pursuits. The students may repeat some activities in order to specialize or they may experience a variety of activities. This course may be repeated for credit.

17503 AEROBIC FITNESS TRAINING

Prerequisites: Personal Fitness
Towel Fee (optional): \$5.00
½ Credit

The emphasis of the course will be on cardiovascular and body conditioning. The students will be participating in a variety of aerobic activities. This course may be repeated for credit.

17504 RECREATIONAL SPORTS

Prerequisites: Must have passed Personal Fitness or an adaptive alternative
Towel Fee (optional): \$5.00
½ Credit

This co-ed program will focus on the students' need for individual and lifetime recreational activities. Participation and appreciation of individual sports will be stressed. Students will learn the value, design, rules, general philosophies, and cost of recreational activities selected from a variety of sports. This course may be repeated for credit.

PHYSICAL EDUCATION

17511/17512 BEG STRENGTH AND CONDITIONING

Prerequisites: Personal Fitness
Consumable Fee: \$25.00
Towel Fee (optional): \$5.00
1 Credit

Beginning Strength and Conditioning is an advanced physical education course designed for students interested in total body fitness. Emphasis will be placed on weight training and its relationship to the health-related fitness components. Students will be tested on the major muscles, exercises for specific body parts, terminology and training principles. This course is a prerequisite for Advanced Strength and Conditioning. This course may be repeated for credit.

17513/17514 ADV. STRENGTH AND CONDITIONING

Prerequisites: Must have passed Beginning Strength and Conditioning
Consumable Fee: \$25.00
Towel Fee (optional): \$5.00
1 Credit

This course is designed for the student with a continuing interest in body conditioning and fitness. In addition to basic weight training, cardiovascular fitness, and nutrition curriculum, the course will deal with concepts of power lifting, body building and current trends in total body conditioning. This course may be repeated for credit.

17509 UNIFIED SPORTS

Prerequisites: All students must complete appropriate medical and consent forms
1 Credit

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

17510 HEALTH ☐

Prerequisites: None
½ Credit

This class is designed to introduce the student to the many aspects of health education including mental health, nutrition, exercise/fitness, drugs, disease and first aid.

3217510 LS HEALTH

Prerequisites: District placement
½ Credit

This class is designed to introduce the student to the many aspects of health education including mental health, nutrition, exercise/fitness, drugs, disease and first aid. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

17520 DRIVER EDUCATION

(Classroom only) ☐

Prerequisites: Student must be 15yrs/6mos. during this course
BEHIND-THE-WHEEL: 6 hrs. (Optional)
Fee: \$200.00
½ Credit

This course is designed to instruct students in proper techniques of driver education and will cover knowledge, skills, safety and attitudes necessary for driving. The behind-the-wheel phase will be held before and after school and on Saturdays, if necessary. (NOTE: Please inform your instructor prior to Behind-The-Wheel any physical or medical impairment that may impact your initial driving experience. Not all insurance companies give discounts for driver education.)

WORLD LANGUAGES

CORE COURSES

ELECTIVE COURSES

French I	1 Credit
French II	1 Credit
French III H	1 Credit
French IV H	1 Credit
French V H	1 Credit
French Adv. Language & Literature H	1 Credit
IB French IV H	1 Credit
IB French V H	1 Credit
German I	1 Credit
German II	1 Credit
German III H 	1 Credit
German IV H 	1 Credit
German V H	1 Credit
German Adv. Language & Literature H	1 Credit
Spanish I 	1 Credit
Spanish II	1 Credit
Spanish III H 	1 Credit
Spanish III H SI 	1 Credit
Spanish IV H 	1 Credit
Spanish V H 	1 Credit
Spanish Adv. Language & Literature H	1 Credit
IB Spanish IV H	1 Credit
IB Spanish V H 	1 Credit
American Sign Language I	1 Credit
American Sign Language II	1 Credit
American Sign Language III H 	1 Credit
American Sign Language IV H 	1 Credit
American Sign Language V H	1 Credit

16100 FRENCH I

Prerequisites: None
1 Credit

This course is an introduction to the study of language and culture of French speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through basic conversational and grammatical structures.

16101 FRENCH II

Prerequisites: French I
1 Credit

This course is a continuation of the study of language and culture of French speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through basic conversational and grammatical structures.

16140 FRENCH III H

Prerequisites: French II
1 Credit

This course is a continuation of the study of language and culture of French speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through more complex conversational and grammatical structures. Various classrooms activities will be conducted in the target language and students are encouraged to use the language for communication. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

WORLD LANGUAGES

16141 FRENCH IV H

Prerequisites: French III H
1 Credit

This course is a continuation of the study of language and culture of French speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through exploration of global issues, social relations and introduction to literature and film. This course will be primarily conducted in the target language and students are encouraged to use the language for communication. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

16142 FRENCH V H

Prerequisites: French IV H
1 Credit

This course is an extended study of language and culture of French speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through exploration of cultural diversity, customs and traditions, health, science and technology and continued study of literature and film. This course will be primarily conducted in the target language and students are encouraged to use the language for communication. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option. Students may choose to take the Advanced Placement Language and Culture exam at the end of the course.

16143 FRENCH ADV. LANGUAGE & LITERATURE H

Prerequisites: French V H
1 Credit

This course is an in-depth study of language and culture of French speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through study of literature and film. Students will be required to read and analyze a collection of literary works representative of the target culture. Subsequent discussion and composition will be in the target language.

16171 IB FRENCH IV H

Prerequisites: French III H
1 Credit

This course is a continuation of the study of language and culture of French speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through exploration of global issues, social relations and introduction to literature and film. This course will be primarily conducted in the target language and students are encouraged to use the language for communication. This course is designed to prepare students for the IB exam at the completion of IB French V course. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

16170 IB FRENCH V H

Prerequisites: French IV H
1 Credit

This course is an extended study of language and culture of French speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through exploration of cultural diversity, customs and traditions, health, science and technology and continued study of literature and film. This course will be primarily conducted in the target language and students are encouraged to use the language for communication. This course is designed to prepare students for the IB exam at the completion of this course. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

16200 GERMAN I

Prerequisites: None
1 Credit

This course is an introduction to the study of language and culture of German speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through basic conversational and grammatical structures.

WORLD LANGUAGES

16201 GERMAN II

Prerequisites: German I
1 Credit

This course is a continuation of the study of language and culture of German speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through basic conversational and grammatical structures.

16240 GERMAN III H

Prerequisites: German II
1 Credit

This course is a continuation of the study of language and culture of German speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through more complex conversational and grammatical structures. Various classroom activities will be conducted in the target language and students are encouraged to use the language for communication. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

16241 GERMAN IV H

Prerequisites: German III H
1 Credit

This course is a continuation of the study of language and culture of German speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through exploration of global issues, social relations and introduction to literature and film. This course will be primarily conducted in the target language and students are encouraged to use the language for communication. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

16242 GERMAN V H

Prerequisites: German IV H
1 Credit

This course is an extended study of language and culture of German speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through exploration of cultural diversity, customs and traditions, health, science and technology and continued study of literature and film. This course will be primarily conducted in the target language and students are encouraged to use the language for communication. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option. Students may choose to take the Advanced Placement Language and Culture exam at the end of the course.

16243 GERMAN ADV. LANGUAGE & LITERATURE H

Prerequisites: German V H
1 Credit

This course is an in-depth study of language and culture of German speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through study of literature and film. Students will be required to read and analyze a collection of literary works representative of the target culture. Subsequent discussion and composition will be in the target language.

16300 SPANISH I

Prerequisites: None
1 Credit

Spanish I is an introduction to the study of language and culture of Spanish speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through basic conversational and grammatical structures.

16301 SPANISH II

Prerequisites: Spanish I
1 Credit

This course is a continuation of the study of language and culture of Spanish speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through basic conversational and grammatical structures.

WORLD LANGUAGES

16340 SPANISH III H

Prerequisites: Spanish II
1 Credit

This course is a continuation of the study of language and culture of Spanish speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through more complex conversational and grammatical structures. Various classrooms activities will be conducted in the target language and students are encouraged to use the language for communication. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

16344Y SPANISH III H SI

Prerequisites: Spanish II
1 Credit

This year-long course emphasizes the historical development of world culture from its earliest beginnings to the present day. Emphasis is on the political, economic, geographic and cultural/societal changes that have occurred throughout Earth's history and their effects on the development of civilization. The content will be delivered and assessed in Spanish focusing on three modes of communication in the target language: interpersonal (person to person speaking or writing), interpretive (listening and reading) and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through basic conversational and grammatical structures in the target language. Pre-requisite for this course will be a passing grade in Spanish II or a Spanish II competency test earning 70% or higher. Upon successful completion of this course, students will earn one core credit for Spanish III and one core credit for World History.

16341 SPANISH IV H

Prerequisites: Spanish III H
1 Credit

This course is a continuation of the study of language and culture of Spanish speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through exploration of global issues, social relations and introduction to literature and film. This course will be primarily conducted in the target language and students are encouraged to use the language for communication. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

16342 SPANISH V H

Prerequisites: Spanish IV H
1 Credit

This course is an extended study of the language and culture of Spanish speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through exploration of cultural diversity, customs and traditions, health, science and technology and continued study of literature and film. This course will be primarily conducted in the target language and students are encouraged to use the language for communication. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option. Students may choose to take the Advanced Placement Language and Culture exam at the end of the course.

16343 SPANISH ADV LANGUAGE & LITERATURE H

Prerequisites: Spanish V
1 Credit

This course is an in-depth study of the language and culture of Spanish speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through study of literature and film. Students will be required to read and analyze a collection of literary works representative of the target culture. Subsequent discussion and composition will be in the target language.

16371 IB SPANISH IV H

Prerequisites: Spanish III H
1 Credit

This course is a continuation of the study of language and culture of Spanish speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through exploration of global issues, social relations and introduction to literature and film. This course will be primarily conducted in the target language and students are encouraged to use the language for communication. This course is designed to prepare students for the IB exam at the completion of IB Spanish V course.

WORLD LANGUAGES

16370 IB SPANISH V H

Prerequisites: Spanish IV H
1 Credit

This course is an extended study of the language and culture of Spanish speaking countries to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person speaking or writing), interpretive (listening and reading), and presentational (one-way speaking and writing). These skills and the cultural perspectives are addressed through exploration of cultural diversity, customs and traditions, health, science and technology and continued study of literature and film. This course will be primarily conducted in the target language and students are encouraged to use the language for communication. This course is designed to prepare students for the IB exam at the completion this course. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

16400 AMERICAN SIGN LANG. I

Prerequisites: None
1 Credit

This course is an introduction to the study of language and culture of countries that use ASL to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person signing), interpretive (receptive), and presentational (one-way signing and writing). These skills and the cultural perspectives are addressed through basic conversational and grammatical structures.

16401 AMERICAN SIGN LANG. II

Prerequisites: American Sign Language I
1 Credit

This course is a continuation of the study of language and culture of countries that use ASL to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person signing), interpretive (receptive), and presentational (one-way signing and writing). These skills and the cultural perspectives are addressed through basic conversational and grammatical structures.

16442 AMERICAN SIGN LANG. III H

Prerequisites: American Sign Language II
1 Credit

This course is a continuation of the study of language and culture of countries that use ASL to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person signing), interpretive (receptive), and presentational (one-way signing and writing). These skills and the cultural perspectives are addressed through more complex conversational and grammatical structures. Various classrooms activities will be conducted in the target language and students are encouraged to use the language for communication. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

16443 AMERICAN SIGN LANG. IV H

Prerequisites: American Sign Language III H
1 Credit

This course is a continuation of the study of language and culture of countries that use ASL to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person signing), interpretive (receptive), and presentational (one-way signing and writing). These skills and the cultural perspectives are addressed through exploration of global issues, social relations and introduction to literature and film. This course will be primarily conducted in the target language and students are encouraged to use the language for communication. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

16442 AMERICAN SIGN LANG. V H

Prerequisites: American Sign Language IV H or teacher approval
1 Credit

This course is an extended study of the language and culture of countries that use ASL to build 21st century literacy skills. This course will focus on the three modes of communication in the target language; interpersonal (person-to-person signing), interpretive (receptive), and presentational (one-way signing and writing). These skills and the cultural perspectives are addressed through exploration of cultural diversity, customs and traditions, health, science and technology and continued study of literature and film. This course will be primarily conducted in the target language and students are encouraged to use the language for communication. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option. Students may choose to take the Advanced Placement Language and Culture exam at the end of the course.

NON-DEPARTMENTAL

CORE COURSES

ELECTIVE COURSES

Leadership Seminar	1 Credit
Tutoring/Learning Assistance	½ Credit
ACT Prep	½ Credit
Homebound	1-4 Credits
School/Community Service Program	½ Credit
Professional Internship	1 Credit
M.E.S.A. (H*)	1 Credit
Humanities H*	1 Credit
IB Theory of Knowledge I H*	1 Credit
IB Theory of Knowledge II H*	1 Credit
Jobs for AZ Graduates (JAG)	1 Credit
LS World of Work 1	1 Credit
LS World of Work 2	1 Credit
Career Skills	1 Credit
Transition School to Work 1-Career Skills	1 Credit
Transition School to Work 2-Career Prep	1 Credit
Voc. Rehabilitation Student Businesses & Career Planning	1 Credit

18200 LEADERSHIP SEMINAR

Prerequisites: None
1 Credit

This course will assist students in discovering and applying personal, social, employability and academic skills through active involvement in real-life situations. Students will also develop interpersonal skills and an appreciation of social, cultural, and ethnic diversity in relation to all areas of their lives. This course will provide students with a focus regarding future school and career choices. Enrollment in this course will provide students with the opportunity to gain the knowledge and skills necessary to make positive contributions at home, school, in the community and the workplace.

3018021 PBS LEADERSHIP SEMINAR

Prerequisite: District Placement.
Must be a freshman or sophomore
in PBS Program
1 Credit

This course will provide students with an opportunity to gain knowledge and skills to promote successful school participation and productive engagement in the community using positive behavior intervention and supports. Through specially designed instruction, activities and projects, students will discover their personal characteristics, interests and strengths; identify resources and needed supports (including assistive technology) to promote in-school success; and develop social, academic and workplace skills such as time management, and healthy lifestyle choices. Additionally, this course will introduce the concepts of self-advocacy and self-determination as students begin to consider their plans for life after high school. This class is taught by a special education teacher.

3118021 LSC LEADERSHIP SEMINAR

Prerequisite: District Placement.
Must be a freshman or sophomore
that would benefit from additional
support to successfully access and
engage in High School.
1 Credit

This course will provide students with an opportunity to gain knowledge and skills to promote successful school participation and productive engagement in the community. Through specially designed instruction, activities and special projects, students will discover their personal characteristics, interests and strengths; identify individual supports and resources (including assistive technology) to promote in-school success; and develop social, academic and workplace skills such as time management, organization, study skills, test taking strategies, interpersonal communication, conflict resolution, personal care management, and healthy lifestyle choices. Additionally, this course will introduce the concepts of self-advocacy and self-determination as students begin to consider their plans for life after high school. This class is taught by a special education teacher.

3218200 LS LEADERSHIP SEMINAR

Prerequisite: Must be a freshman
or sophomore and assessed using
the state alternate assessments
1 Credit

This course will provide students with an opportunity to gain knowledge and skills to promote school participation and engagement in the community. Through specially designed instruction, activities and projects that are aligned with the state alternate assessment, students will have the opportunity to develop communication, social, independent living and workplace skills. Additionally, this course will provide occasions for meaningful engagement in general school activities and ongoing assessment to identify personal preferences and needed supports and resources for in school and beyond (including assistive technology). This course is taught by a special education teacher. May be repeated for credit.

NON-DEPARTMENTAL

18300 TUTORING/LEARNING ASSISTANCE

Prerequisites: Instructor/ Counselor recommendation
½ Credit

Tutoring allows selected students to assist other students under the supervision and guidance of a certified teacher. This course may be repeated for credit.

18030 ACT PREP

Prerequisites: English I, English II, Algebra I, and Geometry
½ Credit

This course is a 9 week class designed to improve scores on the ACT. Students will have previous background on the subjects covered on the ACT test and those concepts are going to be reviewed. Students will be introduced to the topics that comprise the majority of the test, explain the concepts they will need to understand to answer those questions and give them plenty of practice questions. Students will also be taught test-taking strategies that will help them finish the test in the time allotted as well as score higher on the test. An example of this would be an approach to the reading test. Students will be taught to read the first and last paragraph of the section provided. Next they will look at the questions they have to answer and then go back into the paragraph to look for the key words that will help them answer the question.

18400–18410 HOMEBOUND

Prerequisites: Medical certification by a doctor recommending that a student must miss a minimum of 90 school days
1 Credit per course – MAXIMUM OF FOUR COURSES PER YEAR

This program is designed to assist medically certified students to maintain some high school credit that otherwise would be lost due to their inability to attend high school on a normal schedule. Students are provided four hours of direction per week. Each case is analyzed on an individual basis and must be coordinated through the Special Programs counselor or the Director of Transitional Services if the student is in regular education. The number of courses that can be carried on homebound will be determined by the homebound instructor and the ability of the students to complete required work. Homebound teachers are assigned by the District.

18500 SCHOOL/COMMUNITY SERVICE PROGRAM

Prerequisites: Administrator's approval
½ Credit

Students volunteer their services at selected non-profit community sites and receive elective credit. Courses requirements include: 60 hours for one-half credit per semester, limit of two (2) credits possible per student (unless approved by building administrator).

18501 PROFESSIONAL INTERNSHIP

Prerequisites: Must be a senior with own transportation
1Credit

Students are assisted in obtaining opportunities to realistically investigate professional fields based on their career goals and future employment. The students will receive training on employability skills, educational perspective, and information on career demands, outlook, advantages and disadvantages. The students must have 135 hours of career experience deemed worthwhile by the Internship Coordinator upon completion of the class. This course may be repeated for credit.

18600 M.E.S.A. (H*) (MATH, ENGINEERING, SCIENCE ACHIEVEMENT)

Prerequisites: Minority student, GPA of 2.5 or better, college bound
1 Credit

M.E.S.A. (Math, Engineering, Science Achievement) is a multi-year hands-on program designed to academically support under-represented and low-income students. M.E.S.A. is a problem solving approach to teaching design concepts and developing critical and creative thinking. M.E.S.A. students must maintain an academic grade point average (2.5 minimum) and enroll in appropriate academic classes in mathematics, science and English to ensure their preparation for admission to university programs. Students entering the M.E.S.A. program must have successfully completed Algebra I with a 70% or better.

18640 HUMANITIES H*

Prerequisites: None
1 Credit

This class is an inter-disciplinary program that exposes students to art and music appreciation, philosophy, sociology and man's general cultural heritage. Emphasis will be placed on the historical development of the cultural aspects of society and on the dynamics of change. This course may only be repeated once for credit.

18670 IB THEORY OF KNOWLEDGE I H*

Prerequisites: Enrollment in the IB program
1 Credit

Theory of Knowledge I H is a course about critical thinking and inquiring into the process of knowing. It is a core element which all Diploma Programme students are required to take. Theory of Knowledge and the Diploma Programme subjects support each other in the sense that they reference each other and share some common goals. The Theory of Knowledge course examines how we know what we claim to know. It does this by encouraging students to analyze knowledge claims and explore knowledge questions across the curriculum. This junior year class concentrates on the eight ways of knowing of knowledge and how they underlie the methodology of the areas of knowledge and how they provide a basis for personal knowledge.

NON-DEPARTMENTAL

18671 IB THEORY OF KNOWLEDGE II H* <i>Prerequisites:</i> IB Theory of Knowledge II H* 1 Credit	Theory of Knowledge II H is a course about critical thinking and inquiring into the process of knowing. It is a core element which all Diploma Programme students are required to take. Theory of Knowledge and the Diploma Programme subjects support each other in the sense that they reference each other and share some common goals. The Theory of Knowledge course examines how we know what we claim to know. It does this by encouraging students to analyze knowledge claims and explore knowledge questions across the curriculum. This senior year class concentrates on the areas of knowledge and how they seem to have a distinct nature and different methods of gaining knowledge.
18720 JOBS FOR AZ GRADUATES (JAG) <i>Prerequisites:</i> None 1 Credit	JAG College and Career Success program combines interactive, in-class learning with real world application through the student-led Career Association. JAG participants will identify long term college and career goals and develop a path to achieve those goals. In addition, all students will have the opportunity to master the JAG career exploration, job attainment, job survival, leadership and personal skills competencies.
3218522 LS WORLD OF WORK 1 <i>Prerequisites:</i> None 1 Credit	This is a modified CTE Career Exploration class designed to introduce students to 3 of 6 Career Fields. Students will have the opportunity to learn about, research, and directly explore the fields through a variety of hands-on activities and labs. This experiential course will allow students to gain direct experience with tools and tasks commonly associated with specific jobs. In turn, students will develop an understanding of their personal interests, preferences and aptitudes for use in considering enrollment in other CTE classes and/or future employment. CTE Workplace Employability Skills will also be embedded throughout the course to support development of employment ready behaviors. Knowledge and skills acquired in this class can positively impact self-help and independent living skills as well.
3218523 LS WORLD OF WORK 2 <i>Prerequisites:</i> None 1 Credit	This is a modified CTE Career Exploration class designed to introduce students to the remaining 3 of the 6 Career Fields. Students will have the opportunity to learn about, research, and directly explore the fields through a variety of hands-on activities and labs. This experiential course will allow students to gain direct experience with tools and tasks commonly associated with specific jobs. In turn, students will develop an understanding of their personal interests, preferences and aptitudes for use in considering enrollment in other CTE classes and/or future employment. CTE Workplace Employability Skills will also be embedded throughout acquired in this class can positively impact self-help and independent living skills.
3218705 LS CAREER SKILLS <i>Prerequisites:</i> None 1 Credit	This course uses a modified curriculum to introduce students to the AZ CTE Workplace Employability Skills. Students will participate in school-based activities and classroom projects to learn about and practice work-ready behaviors such as: following multi-step directions, understanding and adhering to routines, using effective communication, and demonstrating safe and appropriate interpersonal skills for a variety of situations. Additionally, elements of the AZ Technology standards will be included to enable students to develop entry level computer skills and internet safety awareness. This class will allow students to identify their preferences and aptitudes for various types of work situations and settings and develop work-ready behaviors.
3018022 PBS CAREER SKILLS <i>Prerequisites:</i> District Placement. Sophomore, junior, or senior enrolled in PBS Program that requires additional support to determine a career path that aligns with his/her strengths. 1 Credit	This course will use positive behavior intervention and supports to assist students with career exploration. Students will develop vocational awareness by learning about opportunities, education, and skills needed in various occupations so they can identify a career that matches their personal characteristics and strengths. Through participation in lessons, activities and projects, students will identify their preferences and aptitudes for various types of work situations; assess individual needs for access to a variety of learning and work environments (including assistive technology); learn about high school course alignment to support postsecondary goals; and become aware of adult services, supports in the community, options for postsecondary participation, and accommodations available in the workplace. Additionally, this course will address interpersonal skills and workplace behaviors including the appreciation of social, cultural and ethnic diversity to prepare for future school and career choices. The course objective is for students to choose and design a pathway to a career that aligns with their personal values, characteristics and strengths.

NON-DEPARTMENTAL

3118022 LSC CAREER SKILLS

Prerequisite: District Placement. Sophomore, junior, or senior that requires additional support to determine a career path that aligns with his/her strengths
1 Credit

This course is designed to assist students with career exploration. Students will develop career awareness by learning about opportunities, education, and skills needed in various occupations. Through participation in lessons, vocational assessments, activities, and projects, students will: identify their preferences and aptitudes for various types of work situations; assess individual needs to access a variety of learning and work environments (including assistive technology); learn about high school course alignment to support postsecondary goals; and become aware of adult services, supports in the community, options for postsecondary participation, and accommodations available in the workplace. Additionally, this course will address interpersonal skills and workplace behaviors including the appreciation of social, cultural and ethnic diversity to prepare for future school and career choices. The course objective is for students to choose and design a pathway to a career that aligns with their personal values, characteristics and strengths.

3318205 TRANSITION SCHOOL TO WORK 1-CAREER SKILLS

Prerequisites: Any student with an IEP, 504 plan or documented disability who would benefit from direct instruction to prepare for transition to adult living.
1 Credit

This course will provide students an opportunity to engage in extended career exploration activities and begin the process of preparing for future employment, education and independent living. Students will participate in a variety of assessments to identify personal interests, strengths, and preferences relative to career planning. They will explore early adult living skills such as personal finance, housing, and civic responsibility. They will spend time learning about their disability and contemplating possible future implications. Additionally, they will learn about AZ DES RSA Vocational Rehabilitation services and will receive assistance to apply.

3318206 TRANSITION SCHOOL TO WORK 2-CAREER PREP

Prerequisites: Must have applied and been determined eligible for the Vocational Rehabilitation TSW Program by AZ DES RSA.
1 Credit

This course provides enhanced transition services for the purpose of identifying a specific vocational interests and a detailed plan of employment. Students will receive explicit instruction in professional communication, job seeking, disability disclosure, workplace etiquette and ethics. Independent living skills will be thoroughly explored including budgeting, understanding contracts and the use of credit. Students will attend employment events, visit postsecondary education and training sites, and identify centers and/or agencies that assist people with attaining a job or resources for independent living. A service learning project and/or volunteer experience will be incorporated into the weekly routine so students can practice workplace skills and behaviors in real-life situations. This course involves interagency collaboration with a Vocational Rehabilitation Counselor from the AZ DES Rehabilitation Services Administration and community business partners.

3318204 VOCATIONAL REHAB - STUDENT BUSINESSES & CAREER PLANNING

Prerequisite: Successful completion of Vocational Rehabilitation-Career Exploration (Part 1) and Vocational Rehabilitation-Career Exploration (Part 2) and the recommendation of the VR teacher. Otherwise, successful completion of Vocational Rehabilitation-Career Exploration (Part 1) and recommendation from VR counselor, VR teacher, and the PUSD/VR coordinator.
1 Credit

This course is designed to be an extension of the first semester and facilitate students through the final stages of the Career Planning Process. In addition to students working on the concepts in the Vocational Rehabilitation-Career Planning (Part 2) course, students in this class will also be participating in all aspects of the campus' student run business. This affords students the opportunity to learn, develop, and explore a variety of specific workplace skills ranging from customer service to financial management. This course can be repeated to allow for continuation of skills at the discretion of the PUSD/VR coordinator.

(H*) honors option available in this course

PEORIA UNIFIED SCHOOL DISTRICT CAREER AND TECHNICAL EDUCATION (CTE)

In today's global economy, the workplace requires better trained and prepared employees. In PUSD, 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:

- 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.
- EXPANDS Student Options through relevant curriculum and laboratory instruction.
- ENHANCES Success in School through applying academic skills in a real world situation.
- PROMOTES 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, FBLA, FCCLA, FEA, FFA, HOSA or SkillsUSA).



EXPLORE YOUR FUTURE NOW!

FIND A PROGRAM THAT WORKS FOR YOU!

PEORIA CTE PROGRAMS

<p>BUSINESS, MARKETING & MANAGEMENT</p> <p>ACCOUNTING BUSINESS FINANCE HOSPITALITY MARKETING</p>	<p>COMMUNICATION & INFORMATION SYSTEMS</p> <p>FILM & TV SOFTWARE DEVELOPMENT ADVANCED SOFTWARE</p>	<p>ENVIRONMENTAL & AGRICULTURAL SYSTEMS</p> <p>AGRICULTURE BIOTECHNOLOGY SPORTS TURF</p>
<p>INDUSTRIAL, MANUFACTURING & ENGINEERING SYSTEMS</p> <p>AUTOMOTIVES CONSTRUCTION ENGINEERING WELDING</p>	<p>HEALTH SERVICES</p> <p>MEDICAL ASSISTING NURSING SPORTS MEDICINE</p> <p><small>HIGH SCHOOLS: CACTUS, CENTENNIAL, IRONWOOD, LIBERTY, PEORIA, RAYMOND S. KELLIS, SUNRISE MOUNTAIN</small></p> <p><small>All Peoria Unified School District students may enroll in a CTE program on any campus.</small></p>	<p>HUMAN SERVICES & RESOURCES</p> <p>AIR FORCE JROTC CULINARY FASHION EARLY CHILDHOOD ED EDUCATION FIRE SCIENCE LAW ENFORCEMENT</p>



FUTURE EDUCATORS ARIZONA



ACCOUNTING

CORE COURSES

ELECTIVE COURSES

Business Foundations* 	1 Credit
Accounting I* 	1 Credit
Accounting II*	1 Credit
CTE Internship* 	1 Credit

20100 BUSINESS FOUNDATIONS*  This course is an overview to all aspects of the business environment. If you have an interest in owning a business or a career in business, marketing, finance or management, this course is for you. Come learn how to apply technology to business practices that will advance your computer skills in an interactive lab. Career and entrepreneurship units are included. This course is the prerequisite for the following programs: Business Management and Administrative Services, and Accounting. 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.

Prerequisites: None
1 Credit

For Office Use Only. CIP Code: 52.0300.10

20200 ACCOUNTING I* 
Prerequisites: Business Foundations
Consumable Fee: \$25.00
Additional Consumable Fee: \$10.00
for headphones used in Distance
Learning opportunities
1 Credit

This course is designed to help students understand basic accounting principles and procedures and the handling of daily recording of the financial activities of a small business. A practice set will be completed which includes all financial activities for a business for a one-month period of time. Students will also learn the basic skills of 10-key calculators. 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.

For Office Use Only. CIP Code: 52.0300.20

20201 ACCOUNTING II* 
Prerequisites: Accounting I
1 Credit

In this course, students will learn advanced accounting principles and procedures as well as managerial accounting skills. They will also gain the understanding of payroll accounting, notes payable and notes receivable, depreciation, and completion of an automated accounting package using the computer. The computer package will introduce students to four major areas of computerized accounting: general ledgers, accounts payable, accounts receivable and payroll. 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. *For Office Use Only. CIP Code: 52.0300.30*

20291 CTE INTERNSHIP* 
Accounting
Prerequisites: Minimum of 2 credits
in the Accounting program; ability
to provide own transportation to
internship site
1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.
For Office Use Only. CIP Code: 52.0300.75

AFJROTC

AFJROTC courses are offered at Cactus & Peoria High School only.

CORE COURSES

ELECTIVE COURSES

AFJROTC – Aerospace I	1 Credit
AFJROTC – Aerospace II	1 Credit
AFJROTC – Aerospace III	1 Credit
AFJROTC – Leadership	1 Credit
AFJROTC – Aerospace IV	1 Credit
AFJROTC H – Aviation Fundamentals	1 Credit

AFJROTC

18100 AFJROTC: Aerospace I

Prerequisites: None
1 Credit

This is an aviation history course for all first year cadets focusing on the development of flight throughout the centuries. It begins with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. Throughout the course are readings, videos, hands-on activities, and in-text and student workbook exercises to guide in the reinforcement of the materials. When taken as a stand-alone course, Leadership Education (LE) will be integrated. LE-100 contains sections on cadet and Air Force organizational structure; uniform ware; customs; courtesies, and other military traditions, health and wellness; fitness; individual self-control; and citizenship. All students enrolled in this course will be required to participate in physical fitness activities.

18101 AFJROTC: Aerospace II

Prerequisites: Aerospace I or equivalent
1Credit

Aerospace II is for second year cadets which includes the principles of aircraft flight and navigation; the exploration of space which examines our Earth, the Moon and the planets; and Global and Cultural Studies, a course that introduces students to various regions of the world from a geographic, historical and cultural perspective; the exploration of astronomy, an in-depth study of the solar system; and survival instruction providing training in skills, knowledge, and attitudes necessary to perform fundamental tasks needed for survival. When taken as a stand-alone course, Leadership Education (LE) will be integrated from either LE-200 or LE-300. LE-200 contains sections on communication effectively, understanding groups, and teams, preparing for leadership, solving conflicts and problems, and personal development. LE-300 contains sections on pursuing career options, elements of personal budget and financial plan, and college and university application requirements. All students enrolled in this course will be required to participate in physical fitness activities.

18102 AFJROTC: Aerospace III

Prerequisites: Aerospace II or equivalent
1 Credit

Aerospace III is for third year cadets which includes the principles of aircraft flight and navigation; the exploration of space which examines our Earth, the Moon and the planets; and Global and Cultural Studies, a course that introduces students to various regions of the world from a geographic, historical and cultural perspective; the exploration of astronomy, an in-depth study of the solar system; and survival instruction providing training in skills, knowledge, and attitudes necessary to perform fundamental tasks needed for survival. When taken as a stand-alone course, Leadership Education (LE) will be integrated from either LE-200 or LE-300. LE-200 contains sections on communication effectively, understanding groups, and teams, preparing for leadership, solving conflicts and problems, and personal development. LE-300 contains sections on pursuing career options, elements of personal budget and financial plan, and college and university application requirements. All students enrolled in this course will be required to participate in physical fitness activities.

18110 AFJROTC: Leadership Education

Prerequisites: None
1 Credit

Dedicated to leadership studies relate directly to the academic subject matter, the LE-100, LE-200, LE-300, and LE-400 textbooks introduce cadets to the Air Force Junior Reserve Officer Training Corp (AJROTC) program providing a basis for progression through the rest of the AFJORTC program while instilling elements of good citizenship. LE-100 contains sections on cadet and Air Force organizational structure; uniform wear; customs; courtesies, and other military traditions, health and wellness; fitness; individual self-control; and citizenship. LE-200 contains sections on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. LE-300 contains sections on pursuing career options. Elements of personal budget and financial plan, and college and university application requirements. LE400 contains sections on understanding the fundamentals of management, foundations of planning and decisions making, managing yourself and others. All students enrolled in this course will be required to co-enroll in an aerospace course and participate in physical fitness activities. This course may be repeated for credit.

AFJROTC

18120 AFJROTC: Aerospace IV

Prerequisites: Aerospace III or equivalent
1 Credit

Aerospace IV course is for fourth year cadets which includes the principles of aircraft flight and navigation; the exploration of space which examines our Earth, the Moon and the planets; and Global and Cultural Studies, a course that introduces students to various regions of the world from geographic, historical and cultural perspective; the exploration of astronomy, and in-depth study of the solar system; and survival instruction providing training in skills, knowledge, and attitudes necessary to perform fundamental tasks needed for survival. When taken as a stand-alone course, Leadership Education (LE) will be integrated. LE-400 contains sections on understanding the fundamentals of management, foundations of planning and decision making, managing yourself and others. All students All students enrolled in this course will be required to participate in physical fitness activities.

18140 AFJROTC H: Aviation Fundamentals

Prerequisites: Aerospace I, II or equivalent and instructors approval
1 Credit

The main purpose of this course is to provide a firm and thorough understanding of aviation fundamentals. The student analyzes aircraft design in light of aerodynamic principles. The student learns how to explain air traffic control in today's air travel environment. The student analyzes aircraft power plant and performance, leading, weight, and balance, navigation and communication avionics, and how to plan and fly safely. Advice and orientation is provided to the student who wishes to pursue in-flight pilot training. Leadership hours address careers in aerospace and fine-tune management skills. Top-level Corps jobs provide a laboratory to practice command and leadership. Senior cadets compete for ROTC college scholarships and appointments to the U.S. Air Force Academy, the Naval Academy and West Point. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

AGRICULTURE BUSINESS MANAGEMENT - AGRISCIENCE

Agriscience courses are only offered at Peoria High School

CORE COURSES

ELECTIVE COURSES

Agriculture Science I* 	1 Credit
Agriculture Science II* 	1 Credit
Biotechnology* 	1 Credit
Agricultural Science III*	1 Credit
Agricultural Science IV*	1 Credit
Nursery Management*	1 Credit
Agricultural Mechanics*	1 Credit
CTE Internship-Agriculture*	1 Credit

22102 AGRICULTURE SCIENCE I*

Prerequisites: None
Consumable Fee: \$20.00
1 Credit

This course receives Integrated Science credit towards graduation and enrollment into Arizona State Universities. It is designed to introduce students to the broad field of agricultural science. Subjects covered include inquiry based science processes, basic plant/soil sciences, plant propagation, selection, and preparation growth media, pest management, basic irrigation, and record keeping. Students are required to conduct an occupational experience program. Career and Technical Student Organization (CTSO) standards will be an integral part of this class.

22103 AGRICULTURE SCIENCE II*

Prerequisites: Agriculture I
Consumable Fee: \$20.00
1 Credit

This course covers a variety of advanced technical skills often used in the plant science/horticulture industry. This course receives Biology credit towards graduation and enrollment into Arizona State Universities. Subjects covered include greenhouse management, hydroponics, recordkeeping, biotechnology, aquaculture, sprinkler system design, pruning, turn care and portfolios. Students are required to conduct an occupational experience program and are strongly encouraged to join the co-curricular organization F.F.A. 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.

22110 BIOTECHNOLOGY*

Prerequisites: Biology
Consumable Fee: \$20.00
1 Credit

This course receives Biology credit towards graduation and enrollment into Arizona State Universities. It is also available for Honors Credit through PUSD. This course will provide a hands-on laboratory environment for students to learn proper biotechnology laboratory techniques. This course will provide the skills necessary for those students continuing their education in a scientific field or occupation. Career and Technical Student Organization (CTSO) standards will be an integral part of this class.

AGRICULTURE BUSINESS MANAGEMENT - AGRISCIENCE

Agriscience courses are only offered at Peoria High School

22111 AGRICULTURE SCIENCE III*

Prerequisites: Agriculture I & II
Consumable Fee: \$15.00
1 Credit

This course is designed to provide students with a variety of agricultural skills necessary for success in the sports turf, agriculture, and horticulture industries. Specific subjects covered include safety, equipment operations, equipment repair, and equipment maintenance, project design, shop equipment, welding, project construction, turf maintenance, and landscape maintenance. Students also study record keeping. All students are required to conduct an occupational experience program and are strongly encouraged to join the co-curricular club F.F.A. Career and Technical Student Organization (CTSO) standards will be an integral part of this class.

22112 AGRICULTURE SCIENCE IV*

Prerequisites: Completed
Agricultural Science II
Consumable Fee: \$15.00
1 Credit

This course is a follow-up to Ag Science III. Students will add to their knowledge of equipment operations/maintenance and project construction the skills of landscape design and develop design principles. Then use all of these skills in sports turf, agriculture, and horticulture applications across the high school campus. All students are required to conduct an occupational experience program. Career and Technical Student Organization (CTSO) standards will be an integral part of this class.

22113 NURSERY MANAGEMENT*

Prerequisites: Concurrent enrollment in another Agriculture Class
1 Credit

This course is designed for students interested in the commercial plant industry. Students study plant production techniques and then apply these techniques in hands-on activities in a greenhouse and plant nursery. No previous plant production experience is required. Career and Technical Student Organization (CTSO) standards will be an integral part of this class. This course may be repeated for credit.

22117 AGRICULTURAL MECHANICS*

Prerequisites: Agricultural I
Consumable Fee: \$20.00
1 Credit

This course builds on the concepts covering agriscience mechanic applications. Personal and group safety, structural plans, metal fabrication (welding), plumbing fabrication, masonry practices, electrical components, land measurement, and equipment operations. All students are strongly encouraged to join FFA which is a co-curricular Career and Technical Student Organization. (CTSO) standards will be an integral part of this class. Dual credit/certification may be obtained. Students are required to conduct an occupational experience program. This course may be only repeated for credit with instructor's approval.

22190 CTE INTERNSHIP* Agriculture

Prerequisite: Minimum of 2 credits in Agriculture program; ability to provide own transportation to internship site
1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.

AUTO TECHNOLOGY

CORE COURSES

ELECTIVE COURSES

Auto Tech I*	1 Credit
Auto Tech II* 	1 Credit
Auto Tech III* 	1 Credit
Auto Tech IV* 	1 Credit
CTE Internship*	1 Credit

25100 AUTO TECH I*

Prerequisites: None
Consumable Fee: \$10.00
1 Credit

Auto Tech. I is designed to develop a comprehensive understanding of maintenance and repair of vehicles. Subjects covered are tune-up, lubrication, emission control, brakes, tires, wheels, shop orientation, and safety. The shop work is limited to learning the testing procedures in these areas through the use of computerized technology. Career and Technical Student Organization (CTSO) standards will be an integral part of this class.

25101 AUTO TECH II*

Prerequisites: Auto Tech I
Consumable Fee: \$20.00
1 Credit

Auto Tech. II is designed to give students a more in-depth and technical look at automobile systems. Emphasis will be placed on diagnosis and actual repair of systems. Main areas covered are ignition, fuel, suspension, brakes and electrical systems. Due to the many hours spent in the shop, student attendance is extremely important. 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.

AUTO TECHNOLOGY

25102 AUTO TECH III*

Prerequisites: Auto Tech II
Consumable Fee: \$20.00
1 Credit

Auto Tech. III is designed for students planning on working in the automotive field. Students will study advanced automotive systems. A high degree of knowledge and skill is necessary for this course. This course may extend beyond the regular school day due to job shadowing. 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.

25103 AUTO TECH IV*

Prerequisites: Auto Tech III
Consumable Fee: \$20.00
1 Credit

Auto Tech. IV is designed for students planning on working in the automotive field. Students will study advanced automotive systems. A high degree of knowledge and skill is necessary for this course. This course may extend beyond the regular school day due to job shadowing. Career and Technical Student Organization (CTSO) standards will be an integral part of this class. This course may be repeated for credit. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

25190 CTE INTERNSHIP* Auto

Prerequisites: Minimum of 2 credits in the Auto Technology program; ability to provide own transportation to internship site
1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.

BUILDING TRADES

CORE COURSES

ELECTIVE COURSES

Building Trades I* 	1 Credit
Building Trades II* 	1 Credit
Building Trades III*	1 Credit
CTE Internship*	1 Credit

25200 BUILDING TRADES I*

Prerequisites: None
Consumable Fee: \$10.00
1 Credit

The course is designed to introduce the student to the building trades industry. Students will complete units in tool safety, power tool usage, electricity, plumbing, sheet rock, carpentry, masonry, plan reading and surveying. 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.

25201 BUILDING TRADES II*

Prerequisites: Building Trades I
Consumable Fee: \$20.00
1 Credit

This course is designed to give students hands-on real application in the building trades. Career and occupational standards are taught in plumbing, electrical, sheet rock, carpentry, masonry, blueprint reading, power tool usage and painting. In this course, students will construct a large-scale project. 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.

25202 BUILDING TRADES III*

Prerequisites: Building Trades II
Consumable Fee: \$20.00
1 Credit

Building Trades III is a process approach to teaching the concepts in the Building Trades Industry. This course is organized by the standards needed by students to be successful in the Building Trades Industry. This course is an advanced level project centered course. Career and Technical Student Organization (CTSO) standards will be an integral part of this class.

25290 CTE INTERNSHIP* Building Trades

Prerequisites: Minimum of 1 credit in the Building Trades program; ability to provide own transportation to internship site
1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.

BUSINESS MANAGEMENT & ADMINISTRATIVE SERVICES

Legal Administration Program

CORE COURSES

ELECTIVE COURSES

Business Foundations 	1 Credit
Adv. Business Computer Applications* 	1 Credit
Business Administration*/Work Experience 	1 Credit ea.
Business Law*	1 Credit

20209 BUSINESS FOUNDATIONS*

Prerequisites: None

1 Credit

This course is an overview to all aspects of the business environment. If you have an interest in owning a business or a career in business, marketing, finance or management, this course is for you. Come learn how to apply technology to business practices that will advance your computer skills in an interactive lab. Career and entrepreneurship units are included. This course is the prerequisite for the following programs: Business Management and Administrative Services, and Accounting. 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. *For Office Use Only. CIP Code: 52.0200.10*

20210 ADV. BUSINESS COMPUTER APPLICATIONS* (H*)

Prerequisites: None

Consumable Fee: \$20.00 for headphones used in distance learning opportunities

1 Credit

This course teaches the strategies, skills, and computer applications used to promote success within business organizations. It is an excellent choice for students pursuing an immediate position in the workforce or post-secondary education. The course will include the following sections: advanced computer applications; applying problem solving skills and solutions in a business and management environment; and opportunities for students to participate in leadership activities. At the advanced level students will use business application software with emphasis on Microsoft Excel, Access, PowerPoint, PhotoDraw, Internet, Charting, and Desktop Publishing. (scanners, digital cameras, and video) 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.

***Honors option available for this course.**

20212/20213 BUSINESS ADMINISTRATION*/WORK EXPERIENCE

Prerequisites: Adv. Business Computer Applications; ability to provide own transportation to internship site

1st Work Experience must be taken w/Business Administration or concurrently; Students must obtain a paid/unpaid job whereby they complete a min. of 123 hrs. between July 1st and end of current school year

Consumable Fee: \$20.00 for headphones used in distance learning opportunities

1 Credit – Course work

1 Credit – Work Experience

Students in the Business Administration Program will gain knowledge of internal and external business communication, explore the fundamental theories and concepts of human relations in business and industry, develop effective interpersonal relationships and leadership skills within an organization, operate electronic equipment, and become skilled in the use of Microsoft Office (Access, Excel, Word, PowerPoint and Publisher). Students in the Business Administration Program course apply this knowledge while working in a cooperative education (co-op) program. This course can be offered for 18 weeks in length or 36 weeks in length. When the course is offered for 36 weeks, the course is integrated with senior English; which is team taught by an English teacher and a business teacher. Students in the Business Administration Work Experience course discover how to conduct themselves in a business environment while working in a paid or nonpaid co-op as well as through discussions in class. Students may earn 1 credit for every 123 hours of documented supervised work experience. No more than 4 credits (492 hours) may be earned in this program. 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. May be repeated for credit.

COMPUTER MAINTENANCE

Computer Programming & Technology is the 1st course in the sequence of computer science courses. From that course, students can select a variety of options and once the CPT course has been taken the other courses can be taken in a variety of pathways; however, AP Computer Science must be taken prior to Advanced Software Development.

CORE COURSES

ELECTIVE COURSES

Computer Programming & Technology* 	1 Credit
A+* 	1 Credit
◇ CTE Internship*  IT	1 Credit
CTE Internship* – Capstone	1 Credit
◇ ✕ College Experience	½ Credit

- ◇ These classes are required to earn the “Certificate of Program Studies” in this Academy.
- ✕ 3 credits on a college campus or an alternative college experience as pre-approved by NAF-PUSD Advisory Board

21100 COMPUTER PROGRAMMING & TECHNOLOGY*

Prerequisites: None
1 Credit

This course will enable the student to learn the skills and concepts currently used in the information technology industry in a computer lab. Topics include computer maintenance, computer programming, networks, and web pages. Students increase problem-solving skills while developing computer programs using a variety of languages. This course will consist of a wide range of projects beginning with basic computer science skills and culmination with student-designed interactive projects/games. This course is a prerequisite for advanced study in the Computer Maintenance, Game Design & Development, Computer Networking and Software Development program strands. 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.

21200 A+*

Prerequisites: Computer Programming & Technology or demonstration of prerequisite competency skills
1 Credit

This course provides training for Computer Service Technicians. It prepares students to successfully take the CompTIA A+ exam given by the Computing Technology Industry Association. An IT Essentials; PC Hardware and Software certificate may also be earned from Cisco upon completion of the course. Students study essential computer knowledge and skills to setup, troubleshoot and repair, and upgrade computers. Topics include use of tools, computer hardware components, interfacing hardware and software, computer operating systems and computer system setup (hardware and software). 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.

21290 CTE INTERNSHIP* IT

Prerequisites: Minimum of 1 credit in the Information Technology program; ability to provide own transportation to internship site
1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.

CULINARY ARTS

CORE COURSES

ELECTIVE COURSES

Intro to Culinary Arts*  	1 Credit
Creative Foods* 	1 Credit
Professional Cooking* 	1 Credit
Commercial Baking* 	1 Credit
CTE Internship*	1 Credit

24100 INTRO TO CULINARY ARTS*

Prerequisites: None
Consumable Fee: \$20.00
Consumable Fee for eCampus Course: \$5.00
1 Credit

The Intro to Culinary Arts class is an entry-level course for the Culinary Arts Program. Students are introduced to kitchen equipment, organization and operations, sanitation and safety, nutrition, food preparation and cooking skills. Work place skills including communication, teamwork, leadership, and personal development are emphasized. 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.

CULINARY ARTS

3224100 LS INTRO TO CULINARY ARTS*

Prerequisites: None
Consumable Fee: \$20.00
1 Credit

The Intro to Culinary Arts class is the entry-level course for the Culinary Arts Program. Students are introduced to kitchen equipment, organization and operations, sanitation and safety, nutrition, food preparation and cooking skills. Work place skills including communication, teamwork, leadership, and personal development are emphasized. Career and Technical Student Organization (CTSO) standards will be an integral part of this class. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher.

24110 CREATIVE FOODS*

Prerequisites: Intro to Culinary Arts with a grade of 70% or higher.
Consumable Fee: \$30.00
1 Credit

Following the introduction to foods and nutrition covered in the Intro to Culinary Arts class, this class focuses on the specific food preparation and presentation techniques. Students will learn to prepare baked goods and pastries, which include yeast breads and quick breads, pies and cakes, vegetables, meats and dairy products. Students are exposed to curriculum written by the National Restaurant Association. This program covers safety and sanitation issues and procedures used by the food service industry. This class is designed for students who have a real interest in food preparation. 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.

24112 PROFESSIONAL COOKING*

Prerequisites: Creative Foods.
Due to limited capacity, high demand and requirements for this program, student enrollment will be based on the following criteria:
Minimum course grade of 70% achieved in Creative Foods; Ability to obtain food handler card.
Consumable Fee: \$40.00
1 Credit

This course focuses on operational procedures and necessary skills used in the food service industry. Basic professional culinary skills taught to students include knife skills, garde manger, front and back of the house operations, stocks, sauces, and basic hot and cold foods. Basic French cooking methods are emphasized. Students may participate in operating a restaurant on campus. 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. This course may be repeated once for credit.

24113 COMMERCIAL BAKING*

Prerequisites: Creative Foods.
Due to limited capacity, high demand and requirements for this program, student enrollment will be based on the following criteria:
Minimum course grade of 70% achieved in Creative Foods; Ability to obtain food handler card.
Consumable Fee: \$40.00
1 Credit

This course focuses on operational procedures and necessary skills used in the food service industry. Basic professional culinary skills taught to students include garde manger, front and back of the house operations, pastries such as pies, tarts, cakes, cake decorating, pate choux and puff pastries, Students may participate in operating a restaurant on campus. 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. This course may be repeated once for credit.

24190 CTE INTERNSHIP* Culinary Arts

Prerequisites: Minimum of 1 credit in the Culinary Arts program; ability to provide own transportation to internship site
1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated multiple times for credit.

DESIGN & MERCHANDISING

CORE COURSES

ELECTIVE COURSES

Design & Merchandising I*	1 Credit
Design & Merchandising II*	1 Credit
CTE Internship*	1 Credit

24200 DESIGN & MERCHANDISING I*

Prerequisites: None
Consumable Fee: \$20.00
1 Credit

This course introduces students to the technical knowledge and skills associated with the design industry. The introduction includes the elements and principles of design, fashion illustration, and apparel construction. The class will also touch on wardrobe selection, merchandising, display and textiles. FCCLA (Family Career Community Leaders of America) will be incorporated into the class curriculum. Career and Technical Student Organization (CTSO) standards will be an integral part of this class.

DESIGN & MERCHANDISING

24201 DESIGN & MERCHANDISING II*

Prerequisites: Design & Merchandising I
Consumable Fee: \$20.00
1 Credit

This course will allow students the opportunity to explore advanced skills and techniques in the area of fashion design. Topics included will be a review of the elements and principles of design, careers, fashion merchandising, a fashion show and construction and marketing of a textile product. Career and Technical Student Organization (CTSO) standards will be an integral part of this class.

24290 CTE INTERNSHIP* Design & Merchandising

Prerequisites: Minimum of 1 credit in the Design and Merchandising program; ability to provide own transportation to internship site
1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.

EARLY CHILDHOOD EDUCATION

Students completing all dual enrollment courses (ECH and CFS) for ECE meet 75% of the requirements for the first semester/first block of Glendale Community College's academic ECE AAS program of study. Contact the PUSD CTE Department at 623-412-5336 for information on the CDA application process and how to have the credit courses translated as equivalents for the college.

CORE COURSES

ELECTIVE COURSES

Child Development* 	1 Credit
COOP/Lab* 	1 Credit ea.
CTE Internship*	1 Credit

24300 CHILD DEVELOPMENT*

Prerequisites: None
Consumable Fee: \$10.00
1 Credit

This course examines the developing child from conception through early childhood. Areas of study include the physical, social, emotional and intellectual growth of children. Student gain an understanding of issues related to child development. Students evaluate developmental growth in children through study and observation in a preschool setting. Students learn skills for interacting with children and for effective caregivers. Students explore career options related to children. Career and Technical Student Organization (CTSO) standards will be an integral part of this class. Dual credit may be obtained for this program at high schools offering this option.

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24310/24311 CHILD ORIENTED OCCUPATIONAL PROGRAM (C.O.O.P.)/LAB*

Prerequisites: Child Development; ability to pass and obtain background check; State Law requires students to be 16; Current TB test; ability to obtain Food Handlers Card (may be funded by grant); ability to provide own transportation to site
1 Credit each

The final course, COOP/COOP Lab, consists of two classes taken concurrently. In the COOP Class students will have "on the job" training by planning and preparing lessons to be taught in the Lab. They will learn teaching techniques, child regulations, first aid, and guidance skills. The students will have an opportunity to plan curriculum, design a learning center and participate in a field trip experience with the children. They will be introduced to all childcare operations. The COOP Lab is the on-campus preschool for 4 and 5 year olds. In the Lab the students will gain valuable experience working with the children as they practice the skills they learn in the classroom. State child care regulations require anyone working in the preschool to be at least 16 years old. Career and Technical Student Organization (CTSO) standards will be an integral part of this class. Dual credit may be obtained for this program at high schools offering this option. These courses may be repeated for credit. Students enrolled at Raymond S. Kellis High School may enroll and participate in the COOP class without meeting the 16 year old age requirement.

24390 CTE INTERNSHIP* Early Childhood Education

Prerequisites: Minimum of 1 credit in the Early Childhood Education program; ability to provide own transportation to internship site
1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.

ENGINEERING

Upon successful completion of this course, students can earn an embedded 4th math credit needed for graduation as determined by State Board of Career & Technical Education and the PUSD Governing Board. This credit may not transfer to colleges or universities as a math credit and students are encouraged to work with the counselors and post-secondary admissions representative for that determination.

CORE COURSES

ELECTIVE COURSES

Engineering I* 	1 Credit
Engineering II* 	1 Credit
Engineering III* 	1 Credit
Engineering IV* 	1 Credit
CTE Internship*	1 Credit

25500 ENGINEERING I* (H*)

Prerequisites: Algebra I or higher or concurrent enrollment

Consumable Fee: \$15.00

Additional Consumable Fee: \$10.00 for headphones used in Distance Learning opportunities

1 Credit

This course is designed to introduce students to the world of Engineering Design and problem solving through the design process. The course I designed for any student who intends to pursue future training in any engineering program or technical industry. Students use problem-solving models to improve existing products while utilizing development processes to create new products. They will learn how to apply these models to solve problems in and out of the classroom setting. Students will apply mathematical and scientific concepts and models when being introduced to the fundamentals of mechanical, structural (civil, architectural and green technology), aeronautical, and robotic (Mindstorms) engineering and electrical concepts. Students will use multiple software packages, engineering poster sessions, and presentations to develop technical communication literacy skills. Computer assisted instruction, lab activities and classroom discussions will be used to create a foundation for problem solving and engineering concepts. Career and Technical Student Organization (CTSO) standards will be an integral part of this class. Dual credit may be obtained for this program at high schools offering this option. An honors option is available to all students enrolled in the course.

25501 ENGINEERING II* (H*)

Prerequisites: Engineering I, Algebra I or higher or concurrent enrollment,

Consumable Fee: \$15.00

1 Credit

This course builds on skills learned in Engineering I, while introducing students to electrical engineering, control systems, the application of green technologies, three dimensional modeling, computer aided manufacturing (CNC) and advanced robotics concepts (VEX). This class incorporates various technological processes and manufacturing technologies. Students will develop a sense of the interdependency of the various engineering disciplines. Students will also develop an understanding that engineering is a human endeavor intended to address the needs of a global society. Utilizing activities, projects and problems, students will develop the skills to solve problems using math, science, and technology in engineering processes to benefit society. The use of CAD/CAM industry based software and equipment will be an extensive part of this class. Students will be introduced to state of the art robotic software. Students will apply concepts of mechanical, electrical and control systems in various design problems. This course will continue to develop technical communication literacy (reading, writing, and speaking). Career and Technical Student Organization (CTSO) standards will be an integral part of this class. Dual credit may be obtained for this program at high schools offering this option. An honors option is available to all students enrolled in the course.

ENGINEERING

25502 ENGINEERING III* (H*)

Prerequisites: Engineering II,
Algebra II or higher or concurrent
enrollment
Consumable Fee: \$15.00
1 Credit

This course applies engineering technology and skills to the manufacturing processes while recognizing that engineering is a human endeavor intended to address the needs of a global society. This course will examine the relationship of manufacturing and process development to the world of engineering. Students will use advanced engineering design, production, and programming techniques for Mobile robotics (VEX), Robotic Arm, 3 Dimensional Modeling, and Computer Numerical Control (CNC). Students will incorporate mathematical and scientific modeling and processes in order to solve real world manufacturing and production problems. Students will identify the impact of various engineering disciplines on manufacturing processes. Students will continue to utilize and improve technical communication skills (reading, writing, and speaking). Students will investigate the impact of manufacturing and robotics on both local and global societies. Career and Technical Student Organization (CTSO) standards will be an integral part of this class. Dual credit may be obtained for this program at high schools offering this option. An honors option is available to all students enrolled in the course.

25503 ENGINEERING IV*(H*)

Prerequisites: Engineering III
and/or competency in pre-calculus
or concurrent enrollment
Consumable Fee: \$15.00
Additional Consumable Fee: \$10.00
for headphones used in Distance
Learning opportunities
1 Credit

In this capstone course, students will be working in teams, spending the semester solving problems of their own choosing. These teams apply principles developed in the previous engineering courses and are guided by a community mentor. Skills applied include: brainstorming possible solutions and action planning, researching current patents and regulations, constructing a working model, testing in real-life applications and simulations, and documenting the designs in addition to presenting the designs to a panel of industry experts. Career and Technical Student Organization (CTSO) standards will be an integral part of this class. Dual credit may be obtained for this program at high schools offering this option. An honors option is available to all students enrolled in the course.

25590 CTE INTERNSHIP* Engineering

Prerequisites: Minimum of 2 credits
in the Pre-Engineering program;
ability to provide own transportation
to internship site
1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.

H* honors option available in this course

FINANCIAL SERVICES

CORE COURSES

ELECTIVE COURSES

◇Personal Finance I & Economics and the World of Finance*  	1 Credit
◇Personal Finance II & Investing and Insurance*	1 Credit
◇CTE Internship* 	1 Credit

20230/13400 PERSONAL FINANCE I & ECONOMICS AND THE WORLD

OF FINANCE*  
Prerequisites: None
Consumable Fee: \$10.00
1 Credit

Students will learn about personal finance and economics which focus on 21st century personal finance knowledge and skill in a student-centered, competency-based approach to learning. Debt management, budgeting with intention, investing, saving, income and careers, planning and money management, risk management and insurance are some of the topics that will be covered in the course. Students who successfully complete the course will be adequately prepared to understand personal business & economic issues. Upon successful completion of the course students will earn the course CTE credit, economic credit, and the personal finance credit needed for graduation. Career and Technical Student Organization (CTSO) standards will be an integral part of this class.

FINANCIAL SERVICES

20232 PERSONAL FINANCE II & INVESTING AND INSURANCE*

Prerequisites: None
Consumable Fee: \$10.00
1 Credit

This course introduces students to process and the components of a comprehensive financial plan. Students learn how to prepare a financial plan that includes saving, investing, borrowing, risk management (insurance), and retirement and estate planning. Students will transfer knowledge and skills learned in Personal Finance I to a business setting in this course. The course will also focus on the role of the operations department in a modern securities organization through a study of the structure of a brokerage firm, the trading process, credit and margin practices, automated processes, and government regulation. Students gain an understanding of how a securities firm services its customers and plays an important role in our economy. Career and Technical Student Organization (CTSO) standards will be an integral part of this class.

20290 CTE INTERNSHIP* Finance

Prerequisites: Minimum of 2 credits in the Finance program; ability to provide own transportation to internship site
1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.

FIRE SCIENCE

Fire Science courses are only offered at Sunrise Mt. High School.

CORE COURSES

ELECTIVE COURSES

Medical Science*	1 Credit
Intro to Fire Suppression* 	2 Credit
Intro to Fire Service Selection* 	2 Credit
CTE Internship*	1 Credit

23100 MEDICAL SCIENCE*

Prerequisites: Sophomore, Junior or Senior status recommended
1 Credit

The majority of this course focuses on the human anatomy and physiology of the body systems. Students will gain experience in medical terminology, and learning health care skills. Exposure to first aid skills and measuring blood pressure, pulse, respirations, and temperature are also included. Medical Science must be completed before enrolling in any of the advanced health care department programs. Career and Technical Student Organization (CTSO) standards will be an integral part of this class.

24400 INTRO TO FIRE SUPPRESSION*

Prerequisites: Minimum Junior status; Medical Science recommended

Due to limited capacity, high demand and requirements for this program, student selection will be based on the following criteria; Acceptable attendance history (< 3 unexcused absences in any prior course); Aligned ECAP
Ability to provide own transportation
2 Credit

This course will review the history and evaluation of fire department organization. The role of the fire service in the community will be examined, as well as responsibilities of the fire administrator, including organization. Departmental functions, interdepartmental relationships, management of buildings and equipment and techniques of fire fighting will also be emphasized. The course will also explore topics such as emergency medical services and fire prevention. This class will be scheduled the entire school year on a flexible timeline. 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.

24401 INTRO TO FIRE SERVICE SELECTION*

Prerequisites: Minimum junior status; Intro to Fire Suppression

Due to limited capacity, high demand and requirements for this program, student selection will be based on the following criteria: Minimum course grade of 70% achieved in Intro to Fire Suppression; Ability to provide own transportation
2 Credit

This course is an overview of the application and selection process used by various fire departments and fire service organizations. Elements of fire service culture and their effects on personal growth and interpersonal relations will be emphasized. Major components of the curriculum will be the written application processes, requirements, preparations of resumes and their effect on employment prospects. Preparation for the interview is to include communication skills, mental preparation techniques, behaviors and the importance of the interview in the pre-employment process. This class will be scheduled the entire school year on a flexible timeline. 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.

FIRE SCIENCE

Fire Science courses are only offered at Sunrise Mt. High School.

24490 CTE INTERNSHIP* Fire Science

Prerequisites: Minimum of 1 credit in the Fire Science program; ability to provide own transportation to internship site
1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.

FUTURE TEACHERS' ACADEMY

CORE COURSES

ELECTIVE COURSES

Future Teachers' Academy I* 	1 Credit
Future Teachers' Academy II* 	1 Credit
CTE Internship*	1 Credit

24320 FUTURE TEACHERS'

ACADEMY I*

Prerequisites: None
Fee: \$15.00
1 Credit

Future Teachers' Academy I is an elective that prepares students to work in the field of education. Units emphasize communication skills as well as knowledge of the learner, the teacher and the school. Students practice those skills through an on-going field experience at one or two feeder elementary schools. 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.

24321 FUTURE TEACHERS'

ACADEMY II*

Prerequisites: Future Teachers' Academy I
Fee: \$15.00
1 Credit

Future Teachers' Academy II is an elective that continues to prepare students to work in the field of education, enabling them to investigate the profession on a deeper level. Units emphasize communication skills, classroom responsibilities, educational issues, and professional development. Students complete their field experience in feeder elementary schools. 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.

24391 CTE INTERNSHIP* Ed Program

Prerequisites: Minimum of 1 credit in the Future Teachers' Academy program; ability to provide own transportation to internship site
1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.

HOSPITALITY MANAGEMENT

This program is only offered at Raymond S. Kellis High School

CORE COURSES

ELECTIVE COURSES

Fundamentals of Hospitality Management*		1 Credit
Sports Management/NAF*		1 Credit
✕ Adv. Management*/Work Experience		1 Credit ea
CTE Internship/NAF/Hospitality*		1 Credit

✕ 3 credits on a college campus or an alternative college experience as pre-approved by NAF-PUSD Advisory Board

24720 FUNDAMENTALS OF HOSPITALITY MANAGEMENT*

Prerequisites: None
1 Credit

This course prepares students for occupations in a variety of hospitality services and facilities including: hotels, resorts, convention centers, National parks, travel agencies and cruise lines. The course focuses on principles of operations in the travel and tourism industries, hotel and lodging facilities, food services, recreation, hospitality planning, and business operations. Emphasis is placed on critical thinking, practical problem solving, and entrepreneurship opportunities within the field of hospitality. Core academic application of math, science, and language arts are emphasized as appropriate in the hospitality industry. 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 course at high schools offering this option.

24721 SPORTS MANAGEMENT/NAF*

Prerequisites: None. Fundamentals of Hospitality Management is highly recommended.
Consumable Fee: \$10.00 for headphones
1 Credit

The outcomes of this course are integrated into learning projects and simulations to demonstrate the full range of Hospitality Management standards. Work-based learning activities such as internships, school-based enterprises, or job shadowing are considered a component of Hospitality Management application activities. This course provides the opportunity for real-life application of core academic content. 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.

24722/24723 ADV. MANAGEMENT*/WORK EXPERIENCE*

Prerequisites: Fundamentals of Hospitality Management OR Sports Management/NAF. Ability to provide own transportation to work experience site. First work experience must be taken concurrently with Adv. Management. Students must obtain a paid/unpaid job whereby they complete a minimum of 135 hours between July 1 and the end of the current school year.
1 Credit ea.

Advanced Management/Work Experience is a two-credit course. One credit will be earned for the course and one credit for the job experience. This course is offered to seniors who have an interest in learning about and gaining experience in the fields of management and business management. As part of this program, students will be employed and paid by a management business. Job opportunities will include clothing, department and specialty stores, banks and hotels, as well as various other management occupations. Course activities include “hands-on” experiences in advertising, display, management, sales, and communication. Students are required to sign up for the work experience credit. The campus student store is a hands-on laboratory setting for the students to apply management concepts and will be utilized in the management class instruction. Students may earn 1 credit for every 123 hours of documented supervised work experience. No more than 4 credits (492 hours) may be earned in this program. 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.

24790 CTE INTERNSHIP* NAF/HOSPITALITY

Prerequisites: Minimum of one credit in the Hospitality Management program. Ability to provide own transportation to internship site.
1 Credit

This course provides students an opportunity to apply previously developed knowledge and skills into a structured work experience. The work experience may or may not require classroom instruction, may be paid or unpaid, and is available

LAW ENFORCEMENT

CORE COURSES

ELECTIVE COURSES

Criminal Justice*	1 Credit
Law Enforcement I* 	1 Credit
Law Enforcement II* 	1 Credit
CTE Internship*	1 Credit

24501 CRIMINAL JUSTICE*

Prerequisites: Sophomore status
1 Credit

This course emphasizes practical law while investigating topics such as law and the legal system, including criminal law and juvenile justice. In addition, this course explores careers in law to expose students to a variety of career options and assist them in making career choices. Career and Technical Student Organization (CTSO) standards will be an integral part of this class.

24503 LAW ENFORCEMENT I*

Prerequisites: Criminal Justice
1 Credit

This course is designed to provide the basic skills and knowledge necessary for a student to pursue a career or higher education in the fields related to law enforcement. Current and projected career opportunities, job seeking skills, and public speaking will be emphasized. Additional topics of study include federal and private agencies, corrections, officer safety, communication and police wellness and culture. All physical, educational, and social requirements needed for entry into a career in law enforcement or corrections will be examined. Emphasis will be placed on the fundamental skills and organizational knowledge necessary to become a police officer. Students seriously interested in any career in law enforcement should consider taking this class. 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.

24504 LAW ENFORCEMENT II*

Prerequisites: Law Enforcement I
1 Credit

This course is designed for students to apply and refine the skills required to be successful in the law enforcement field. Elements of the law enforcement culture and their effects on personal growth and interpersonal relations will be emphasized. Major components of the curriculum incorporate police field work and investigative skills that are practiced and applied through simulation and scenario-based instruction. All physical, educational, and social requirements needed for entry into a career in law enforcement or corrections will be examined. Emphasis will be placed on refining pre-employment skills and behaviors. 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.

24590 CTE INTERNSHIP* Law Enforcement

Prerequisites: Minimum of 1 credit in the Law Enforcement program; ability to provide own transportation to internship site
1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.

MARKETING

Professional Sales & Marketing Program. Offered at all high schools except Raymond S. Kellis High School

CORE COURSES

ELECTIVE COURSES

Marketing* 	1 Credit
Sports, Marketing/Sales* 	1 Credit
Adv. Marketing/Sales*/Work Experience 	1 Credit ea.

20220 MARKETING*

Prerequisites: None
1 Credit

Marketing is offered to students who have an interest in learning about the fields of business, sales, marketing, merchandising, and management occupations. In the Marketing course, students will experience many different parts of the marketing process including advertising, sales, display, human relations, management, and communication. The campus student store is a hands-on laboratory setting for the students to apply marketing concepts and will be utilized in the marketing class instruction. 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.

MARKETING

Professional Sales & Marketing Program. Offered at all high schools except Raymond S. Kellis High School

3020220 PBS MARKETING*

Prerequisites: None
1 Credit

PBS Marketing is offered to students who have an interest in learning about the fields of business, sales, marketing, merchandising, and management occupations. In the PBS Marketing course, students will experience many different parts of the marketing process including advertising, sales, display, human relations, management, and communication. The campus student run business is a hands-on laboratory setting for the students to apply marketing concepts and will be utilized in the marketing class instruction. Students are provided behavioral interventions in order to successfully access the curriculum. This course is taught by a special education teacher. This course may be repeated for credit.

3120220 LSC MARKETING*

Prerequisites: None
1 Credit

LSC Marketing is offered to students who have an interest in learning about the fields of business, sales, marketing, merchandising, and management occupations. In the LSC Marketing course, students will experience many different parts of the marketing process including advertising, sales, display, human relations, management, and communication. The campus student run business is a hands-on laboratory setting for the students to apply marketing concepts and will be utilized in the marketing class instruction. Core curriculum courses are designed for students to access the general curriculum with appropriate accommodations. This course is taught by a special education teacher. This course may be repeated for credit.

3220220 LS MARKETING*

Prerequisites: None
1 Credit

LS Marketing is offered to students who have an interest in learning about the fields of business, sales, marketing, merchandising, and management occupations. In the LS Marketing course, students will experience many different parts of the marketing process including advertising, sales, display, human relations, management, and communication. The campus student run business is a hands-on laboratory setting for the students to apply marketing concepts and will be utilized in the marketing class instruction. Students will have access to the general curriculum that has been modified to meet each student's specific needs. This course is taught by a highly qualified special education teacher. This course may be repeated for credit.

20228 SPORTS, MARKETING/SALES*

Prerequisites: None
Consumable Fee: \$10.00 for
headphones used in Distance
Learning opportunities
1 Credit

This course will help students develop a thorough understanding of the marketing concepts and theories that apply to sports, entertainment, and hospitality-related events. This course will cover 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 sports marketing plans. The campus student store is a hands-on laboratory setting for the students to apply marketing concepts and will be utilized in the marketing class instruction. 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.

20235/20236 ADV. MARKETING*/ WORK EXPERIENCE

Prerequisites: Marketing OR Sports,
Entertainment and Hospitality
Marketing OR Advertising OR
Entrepreneurship; ability to provide
own transportation to internship site
1st Work Experience must be taken
concurrently with Adv. Marketing or
concurrently; Students must obtain a
paid/unpaid job whereby they
complete a minimum of 135 hours
between July 1st and end of current
school year
1 Credit – Course work
1 Credit – Work Experience

Advanced Marketing is a two-credit course. This course meets the Economics requirement for graduation and enrollment into Arizona State Universities. One credit will be earned for the course and one credit for the job experience. This course is offered to seniors who have an interest in learning about and gaining experience in the fields of marketing and business management. As part of this program, students will be employed and paid by a marketing business. Job opportunities will include clothing, department and specialty stores, banks and hotels as well as various other marketing occupations. Course activities include "hands-on" experiences in advertising, display, management, sales, and communication. Students are required to sign-up for the work experience credit. The campus student store is a hands-on laboratory setting for the students to apply marketing concepts and will be utilized in the marketing class instruction. Students may earn 1 credit for every 123 hours of documented supervised work experience. No more than 4 credits (492 hours) may be earned in this program. 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

CORE COURSES

ELECTIVE COURSES

Media Technology* 	1 Credit
Media Productions* 	1 Credit
CTE Internship	1 Credit

21411 MEDIA TECHNOLOGY*

Prerequisites: None
Consumable Fee: \$20.00
1 Credit

The Media Technology course is designed to give students an overview of photo-editing software, video editing software and various presentation software; with an emphasis on art and design. Students use script writing, lighting techniques, and sound editing to create projects that are used for film, television, and the Internet. Students will learn how to create and manipulate photo-realistic images and analog/digital video using a variety of software, and will incorporate these files into a variety of multimedia projects. 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.

21412 MEDIA PRODUCTIONS*

Prerequisites: Media Technology
Consumable Fee: \$20.00
1 Credit

The Media Productions class allows students to simulate working for a “real-world” multimedia and video production company. Students are teamed together to form production crews and given authentic experience with multimedia computers, video cameras and visual editing equipment, microphones and audio mixers, and lighting equipment. Emphasis is placed on writing, performing, and producing materials for broadcast within the school and the District including television shows, video shorts, audio announcements, and computer multimedia presentation. Career and Technical Student Organization (CTSO) standards will be an integral part of this class. This course may be repeated for credit. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

21490 CTE INTERNSHIP* Media

Prerequisites: Minimum of 1 credit in Media Technology; ability to provide own transportation to internship site
1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.

MEDICAL ASSISTING

CORE COURSES

ELECTIVE COURSES

Medical Science*	1 Credit
Fundamentals of Medical Assisting* 	1 Credit
Fundamentals of Medical Assisting Lab* 	1 Credit
CTE Internship*	1 Credit

23100 MEDICAL SCIENCE*

Prerequisites: Recommended
Sophomore, Junior or Senior status
1 Credit

The majority of this course focuses on the human anatomy and physiology of the body systems. Students will gain experience in medical terminology, and learning health care skills. Exposure to first aid skills and measuring blood pressure, pulse, respirations, and temperature are also included. Medical Science must be completed before enrolling in any of the advanced health care department programs. Career and Technical Student Organization (CTSO) standards will be an integral part of this class.

23200 FUNDAMENTALS OF MEDICAL ASSISTING*

Prerequisites: Medical Science
1 Credit

This course consists of two courses taken simultaneously or consecutively which allows students to investigate the excellent career opportunities available in the allied health areas of the medical field while gaining valuable information to be successful in any health care field.

Effective 1/1/2014:

“Students must complete the Online Clinical Orientation in order to participate in clinicals and observations. Each student will register, pay an \$8.00 fee and take courses that prepare them for medical facilities i.e.: HIPAA, patient confidentiality, blood-borne pathogens etc.” Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

MEDICAL ASSISTING

23204 FUNDAMENTALS OF MEDICAL ASSISTING LAB*

Prerequisites: Fundamentals of Medical Assisting

Due to limited capacity, high demand and requirements for this program, student enrollment will be based on the following criteria:
Minimum course grade of 75% achieved in Medical Science and Allied Health, acceptable attendance history (< 3 unexcused absences in any prior course). Ability to pay for and obtain background check.

Ability to provide own transportation

Fee: \$20.00

1 Credit

The Fundamentals of Medical Assisting course should be taken simultaneously or consecutively with this course. Skills learned in the courses include Medical Assisting (front and back office), Health Care Provider CPR and First Responder training. Instruction with Medical Assisting practices will include the opportunity to learn from health care providers in the community. Students enrolled in the Medical Assisting section will spend 45-50 clinical hours observing and/or volunteering in Medical Assisting within a health care organization. Career & Technical Student Organization (CTSO) competencies will also be integrated into the program. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

23290 CTE INTERNSHIP* Medical Assisting

Prerequisites: Minimum of 1 credit in the Medical Assisting program; ability to provide own transportation to internship

1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.

NURSING SERVICES

CORE COURSES

ELECTIVE COURSES

Medical Science*	1 Credit
Intro to Health Care Careers* 	1 Credit
Patient Care Careers/Nursing Assistant Lab* 	1 Credit
CTE Internship*	1 Credit
OR	
Medical Science*	1 Credit
Fundamentals of Medical Assisting Lab*	1 Credit
Patient Care Careers/Nursing Assistant Lab*	1 Credit
CTE Internship*	1 Credit

23100 MEDICAL SCIENCE*

Prerequisites: Recommended Sophomore, Junior or Senior status
1 Credit

The majority of this course focuses on the human anatomy and physiology of the body systems. Students will gain experience in medical terminology, and learning health care skills. Exposure to first aid skills and measuring blood pressure, pulse, respirations, and temperature are also included. Medical Science must be completed before enrolling in any of the advanced health care department programs. Career and Technical Student Organization (CTSO) standards will be an integral part of this class.

NURSING SERVICES

23220 INTRO TO HEALTH CARE

CAREERS*

Prerequisites: Medical Science, concurrent enrollment in Biology.

Due to limited capacity, high demand and requirements for this program, student selection will be based on the following criteria:

Minimum course grade of 80% achieved in Medical Science.

Students must pass Algebra I to demonstrate math competency and either English I or English I Honors to demonstrate reading competency needed for the course.

Ability to provide own transportation

1 Credit

Students in the Intro to Health Care Careers course focus on fundamental knowledge and skills essential to the development of personal, professional, leadership and career success qualities of a patient care provider. Course content includes career exploration, educational success and life-long learning, life-style management, listening and communication, thinking, reasoning and conflict resolution, team building and leadership, medical math, history and trends, health care systems and finance, cultural diversity, patient confidentiality and rights, legal and ethical responsibilities, personal and patient safety, and workplace readiness. English language, reading, and math skills necessary to comprehend course materials and perform duties safely are required by the Arizona State Board of Nursing for students to participate. Additionally, the State Board of Nursing requires TB testing, drug screening, and criminal background checks to be conducted. 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.

23200 FUNDAMENTALS OF MEDICAL ASSISTING*

Prerequisites: Medical Science
1 Credit

This course consists of two courses taken simultaneously or consecutively which allows students to investigate the excellent career opportunities available to be successful in any health care field.

Effective 1/1/2014:

“Students must complete the Online Clinical Orientation in order to participate in clinicals and observations. Each student will register, pay an \$8.00 fee and take courses that prepare them for medical facilities i.e.: HIPAA, patient confidentiality, blood-borne pathogens, etc.”

Effective 10/1/2015:

Arizona State Board of Nursing requires that admission requirements including 1. Criminal background, health, and drug screening either required by the program or necessary to place a student in a criminal agency; and, ii. English language, reading and math skills necessary to comprehend course materials and perform duties safely.

23221/23222 PATIENT CARE

CAREERS/NURSING ASST LAB*

Prerequisites: Students must earn a minimum of 80% in Fundamentals of Medical Assisting or Intro to Health Care Careers in order to enroll in this course and be eligible to take the CNA exam at the end of this course.

Junior status

Due to limited capacity, high demand and requirements for this program, student selection will be based on the following criteria:
Ability to provide own transportation; Due to AZ State Board of Nursing regulations students will be subject to additional requirements and fees for supplies
1 Credit ea.

The nursing assistant is an integral member of the health care team who, under the direction and delegation of a licensed nurse, and within a specified job description and scope of practice, provides direct patient care. This course builds on previous learned program content and focuses on essential nursing assistant knowledge, skills and work-based learning to develop students as safe and competent patient care providers. Upon successful course completion, students are eligible for application to the AZ State Board of Nursing for nursing assistant certification and employment. 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.

Effective 1/1/2014:

“Students must complete the Online Clinical Orientation in order to participate in clinicals and observations. Each student will register, pay an \$8.00 fee and take courses that prepare them for medical facilities i.e.: HIPAA, patient confidentiality, blood-borne pathogens etc.” Students must also earn a minimum of 80% in the course to sit for the CNA exam.

NURSING SERVICES

23291 CTE INTERNSHIP* Nursing Services

Prerequisites: Minimum of 1 credit in the Nursing program; ability to provide own transportation to internship

Consumable Fee: \$20.00

1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.

SOFTWARE DEVELOPMENT

Programming I

CORE COURSES

ELECTIVE COURSES

Computer Programming & Technology*  1 Credit

Game Design & Development*  1 Credit

Computer Science Principles H*  1 Credit

◇ CTE Internship*  1 Credit

◇ These classes are required to earn the “Certificate of Program Studies in this Academy.

21100 COMPUTER PROGRAMMING & TECHNOLOGY*

Prerequisites: None

1 Credit

This course will enable the student to learn the skills and concepts currently used in the information technology industry in a computer lab. Topics include computer maintenance, computer programming, networks, and web pages. Students increase problem-solving skills while developing computer programs using a variety of languages. This course will consist of a wide range of projects beginning with basic computer science skills and culmination with student-designed interactive projects/games. 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.

21230 GAME DESIGN & DEVELOPMENT*

Prerequisites: Computer Programming & Technology OR Computer Science Principles H

1 Credit

Game Design & Development is an introduction to game design, game development and game theory. Students will use appropriate gaming platform and windows development tools to model real-time simulations, to create computer games and to produce software. Game Design & Development builds on fundamental skills and concepts covered in previous courses and provides a foundation for further study. 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. This course may be repeated **once** for credit.

21240 COMPUTER SCIENCE PRINCIPLES H*

Prerequisites: None

1 Credit

This course introduces students to the central ideas of computing and computer science, instills ideas and practices of computational thinking, and engages students in activities that show how computing and computer science change the world. It explores fundamentals of computer science essentials for educated people living in the 21st Century. Topics include data and information, algorithms, and basic ideas behind computers, networks, the Internet, and multimedia – explored in a creative, hands-on environment. Students will investigate privacy issues as well as the social uses and abuses of information. This class is taught in a computer lab. 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.

21290 CTE INTERNSHIP* IT

Prerequisites: Minimum of 1 credit in the Information Technology program; ability to provide own transportation to internship site

1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.

SOFTWARE DEVELOPMENT

Programming II

CORE COURSES

ELECTIVE COURSES

Computer Programming & Technology* 	1 Credit
AP Computer Science Principles H* 	1 Credit
AP Computer Science A H* 	1 Credit
Adv. Software Development H* 	1 Credit
OR	
IB Computer Science (HL) H	1 Credit
◇ CTE Internship* 	1 Credit

◇ These classes are required to earn the “Certificate of Program Studies in this Academy.

21100 COMPUTER PROGRAMMING & TECHNOLOGY*

Prerequisites: None
1 Credit

This course will enable the student to learn the skills and concepts currently used in the information technology industry in a computer lab. Topics include computer maintenance, computer programming, networks, and web pages. Students increase problem-solving skills while developing computer programs using a variety of languages. This course will consist of a wide range of projects beginning with basic computer science skills and culmination with student-designed interactive projects/games. 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.

21262 AP COMPUTER SCIENCE PRINCIPLES H*

Prerequisites: None
1 Credit

This course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines. This course is designed to foster student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore their interests. They will develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society and the world. 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.

21260 AP COMPUTER SCIENCE A H*

Prerequisites: Computer Programming & Technology or Computer Science Principles H
Consumable Fee: \$10.00 for headphones used in Distance Learning opportunities
1 Credit

This course is equivalent to a first semester college level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures) approaches to processing data (algorithms), analysis of potential solutions, and ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems, to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. 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.

21261 ADV. SOFTWARE DEVELOPMENT H*

Prerequisites: AP Computer Science I H
Consumable Fee: \$10.00 for headphones used in Distance Learning opportunities
1 Credit

This course provides in-depth study of computer programming involving college level skills as required by the “prescribed Advanced Placement course of study.” It will provide experience with different types of microcomputers. The concepts covered are aligned to the second level of computer science courses at universities. 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. This course may only be repeated **once** for credit.

SOFTWARE DEVELOPMENT

Programming II

21270 IB COMPUTER SCIENCE (HL) H*

Prerequisites: Advanced Software Development H

This course may be repeated for credit so students can complete additional advanced software projects under the supervision of their teachers.

1 Credit

IB Computer Science emphasizes both problem-solving logic and technology. The course focuses on using computers to solve real-world problems. Students will analyze problems and then design and evaluate appropriate algorithms and data structures to develop solutions using Java. Mastery of the language and of the problem-solving process will be demonstrated through work submitted in the Program Dossier. In addition to problem solving and programming, students will study the structure and design of computer architecture, data representation, and logic as well as operating systems, interfacing, and networking. Students will broaden their understanding of how computers impact them and the world around them. Influences on society, past, present, and future, will be assessed and discussed.

21290 CTE INTERNSHIP* IT

Prerequisites: Minimum of 1 credit in the Information Technology program; ability to provide own transportation to internship site

1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.

SPORTS MEDICINE & REHABILITATION SERVICES

CORE COURSES

ELECTIVE COURSES

Medical Science*	1 Credit
Intro to Sports Medicine* 	1 Credit
Adv Sports Medicine* 	1 Credit
CTE Internship* 	1 Credit

23100 MEDICAL SCIENCE*

Prerequisites: Sophomore, Junior or Senior status recommended

1 Credit

The majority of this course focuses on the human anatomy and physiology of the body systems. Students will gain experience in medical terminology, and learning health care skills. Exposure to first aid skills and measuring blood pressure, pulse, respirations, and temperature are also included. Medical Science must be completed before enrolling in any of the advanced health care department programs. Career and Technical Student Organization (CTSO) standards will be an integral part of this class.

23210 INTRO TO SPORTS MEDICINE*

Prerequisites: None

1 Credit

This course is designed for students interested in the field of sports medicine. Students will study the basic concepts of evaluation, treatment and prevention of common sports-related injuries and conditions. Basic anatomy including the musculoskeletal, nervous, circulatory and respiratory system is also emphasized throughout the course. History, philosophy, and career opportunities, ethical and legal considerations, and the organization and administration of Sports Medicine programs will also be addressed. Students will also gain hands-on experience through various lab activities including emergency procedures, tissue healing, taping and bracing procedures. 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.

23211 ADV SPORTS MEDICINE*

Prerequisites: Intro to Sports Medicine OR Medical Science

Due to limited capacity, high demand and requirements for this program, student selection will be based on the following criteria:

Minimum course grade of 70% achieved in Intro to Sports Medicine or Medical Science

Aligned ECAP

1 Credit

This course is designed to provide a well-rounded and challenging academic experience in the field of sports medicine, rehabilitation, and other related medical fields. The focus expands upon anatomy and physiology, therapeutic modalities and specific phases for the injured patient. This class will also focus on special testing of specific anatomical structures. 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.

SPORTS MEDICINE & REHABILITATION SERVICES

23289 CTE INTERNSHIP* Sports Med & Rehab

Prerequisites: Minimum of 1 credit in the Sports Medicine program; ability to provide own transportation to internship

1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve the employability skills in the industry. This course may be repeated **multiple times** for credit. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

WELDING TECHNOLOGIES

CORE COURSES

ELECTIVE COURSES

Welding I* 	1 Credit
Welding II* 	1 Credit
CTE Internship Welding*	1 Credit

22114 WELDING I*

Prerequisites: None
Consumable Fee: \$15.00
1 Credit

Welding is designed to teach basic skills in arc welding, oxy-acetylene cutting torch, and MIG welding. It also involves the use of a band saw, sheet metal shear, drill press, grinders, pipe benders, sheet metal brake, small shop hand tools, oxy-acetylene, pipe and tubing, and soldering. The course culminates with project construction. Career and Technical Student Organization (CTSO) standards will be an integral part of this class. This course may only be repeated for credit with instructor's approval. Dual credit may be obtained from the Maricopa Community College system for this program at high schools offering this option.

22116 WELDING II*

Prerequisite: Welding I
Consumable Fee: \$15.00
1 Credit

Students enrolled in the Welding II will continue learning welding techniques and skills, with emphasis on MIG & TIG processes. The comprehensive program will provide skill development opportunities, leading students into a path for certification(s) and possibly AAS degree. 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 the program at high schools offering this option.

22191 CTE INTERNSHIP-WELDING*

Prerequisite: Welding I and II;
Ability to provide own transportation to internship site
1 Credit

This course is a coordinated occupational employment approach to teaching and practicing the concepts in the industry. This course helps the student to practice and improve employability skills in the industry. This course may be repeated **multiple times** for credit.



The Medical, Engineering and Technology (MET) Professional Academy is an entrepreneurial business approach to education designed to motivate students by treating them as working professionals and preparing them for higher education. Students will be immersed in a professional setting and gain experience working with industry leaders who will help students learn through authentic projects.

- The **Medical** strand will prepare pre-med students for college and careers in bioscience and health care.
- The **Engineering** strand will lead students to degrees and careers in engineering, sustainability and entrepreneurialism.
- The **Technology** strand will focus on cybersecurity and computer networking degrees and careers.

From the three strands, students will select their specific field of study and graduate high school with industry credentials, college credits and employability skills such as critical thinking, business ethics and professionalism. Students will gain real-world experience in today's competitive marketplace that will open doors to success in college and the professional workforce.

MET Requirements:

- Have attained junior or senior status;
- On track to graduate;
- Demonstrated excellence in the first two years of high school math and science*;
- Desire to earn community college and/or university dual enrollment credits;
- Desire to work in a project-based, real-world environment with business professionals, college partners and other Peoria Unified students;
- Be willing to comply with business ethics and dress codes as determined by the MET strand in which you are involved;
- Be willing to spend 3 hours a day away from your home school; and
- Be able to access transportation to and from Old Main on the Peoria High School campus and potential business partner sites.

*Medical strand students must have a 3.0 GPA to be accepted and earn Grand Canyon University college credit through the MET Professional Academy. In order to earn the full GCU STEM Scholars program distinction, including a GCU tuition scholarship, students must have and maintain a cumulative, unweighted 3.25 GPA.

MET MEDICAL STRAND

MET Professional Academy courses meet three hours per day, Monday through Friday. The program is offered at Old Main on the campus of Peoria High School at 11200 N. 83rd Avenue, Peoria, AZ 85345.

CORE COURSES

ELECTIVE COURSES

Foundations of Medicine I H* 	1 Credit
Foundations of Medicine I H/Prof. Internship* 	1 Credit
Foundations of Medicine II H*  	1 Credit
Foundations of Medicine II H/Prof. Internship* 	1 Credit
Applications of Medicine I H	1 Credit
Applications of Medicine I H/Prof. Internship	1 Credit
Applications of Medicine II H	1 Credit
Applications of Medicine II H/Prof. Internship	1 Credit

40200 FOUNDATIONS OF MEDICINE I H*

Prerequisites: Application required. Junior or senior status. Must have demonstrated excellence in the first two years of high school math and science and must have a 3.0 GPA to earn Grand Canyon University college credit through the MET Professional Academy. In order to earn the full GCU STEM Scholars program distinction, including the tuition scholarship, students must have and maintain a cumulative, unweighted 3.25 GPA. Students must also pass a GCU math placement exam to qualify for CHM-113.

1 Credit

Foundations of Medicine I H is the first course in the MET Professional Academy Medical Strand. It is an engaging, hands-on class experience that examines the dynamic field of medicine and health care. For those students who are seeking a career in medicine, biomedical research, dentistry, optometry or as a veterinarian, this creates the necessary educational foundation. College-level classroom activities and lab work will advance MET students' understanding of the fundamentals of health sciences through the study of core medical subjects such as: general biology, general chemistry, anatomy, physiology, and pathology. MET students will also learn from diverse health care providers in the field who may visit the classroom as expert guest lecturers. Outside the classroom, learning experiences will involve site visits to a variety of college and professional partners' health care facilities. Workplace skills and employability standards will be an integral part of this class. Dual credit may be obtained from Grand Canyon University through the MET Professional Academy.

40290 FOUNDATIONS OF MEDICINE I H/PROFESSIONAL INTERNSHIP*

Prerequisites: Foundations of Medicine I H

1 Credit

MET Foundations of Medicine I H/Professional Internship will introduce students to MET Professional Academy business partners who will provide students mentorship and real-world experiences in the medical profession. Students will have the flexibility to manage projects, collaborate with others, and learn to be adaptable and successful in a professional setting.

40201 FOUNDATIONS OF MEDICINE II H*

Prerequisites: Foundations of Medicine I H and Foundations of Medicine I H/Professional Internship

1 Credit

Foundations of Medicine II follows Foundations of Medicine I as the first courses in the MET Professional Academy Medical Strand. This course receives Biology credit towards graduation and enrollment into Arizona State Universities. The course is an engaging, hands-on class experience that examines the dynamic field of medicine and health care. This college-level course studies the structure and function of the human body and its many systems, i.e., skeletal, nervous, reproductive, circulatory, etc. Dissection of biological specimens is a mandatory component of this course. For those students who are seeking a career in medicine, biomedical research, dentistry, optometry, or as a veterinarian, this creates the necessary educational foundation. College-level classroom activities and lab work will advance MET students' understanding of the fundamentals of health sciences through the study of core medical subjects such as: general biology, general chemistry, anatomy, physiology, and pathology. MET students will also learn from diverse health care providers in the field who may visit the classroom as expert guest lecturers. Outside the classroom, learning experiences will involve site visits to a variety of college and professional partners' health care facilities. Students complete lab work in the Cadaver Lab at Grand Canyon University. Dual credit may be obtained from Grand Canyon University through the MET Professional Academy.

MET MEDICAL

40291 FOUNDATIONS OF MEDICINE II H/PROFESSIONAL INTERNSHIP*

Prerequisites: Foundations in Medicine I H, Foundations in Medicine I H/Professional Internship, and Foundations of Medicine II H
1 Credit

This is the advanced professional internship with MET Professional Academy business partners to provide students mentorship and real-world experiences in the medical profession. Students will have the flexibility to manage projects, collaborate with others, and learn to be adaptable and successful in a professional setting.

40202 APPLICATIONS OF MEDICINE I H*

Prerequisites: Foundations of Medicine II H and Foundations of Medicine II H/Professional Internship
1 Credit

MET Applications of Medicine is the second year of the MET two-year Medical program. Applications of Medicine provides necessary clinical applications of medical practices after the first-year of the program provides the medical foundations for future physicians, specialists, nurses, biomedical researchers and more. Students experience the reality of a medical career through hands-on clinical practices and college-level health science dual-enrollment coursework through Grand Canyon University. Students learn from health professionals who visit the classroom as expert guest lecturers. Learning experiences also include site visits to a variety of colleges, laboratories, hospitals and health care facilities.

40292 APPLICATIONS OF MEDICINE I H/PROFESSIONAL INTERNSHIP*

Prerequisites: Applications of Medicine I H
1 Credit

MET Applications of Medicine I H/Professional Internship will continue students' professional affiliations with MET Professional Academy business partners who will provide students mentorship and real-world experiences in the medical profession. Students will have the flexibility to manage projects, collaborate with others, and learn to be adaptable and successful in a professional setting.

40203 APPLICATIONS OF MEDICINE II H*

Prerequisites: Applications of Medicine I H and Applications of Medicine I H/Professional Internship
1 Credit

MET Applications of Medicine II H is the second year of the MET two-year Medical program and is an extension of MET Applications of Medicine I H. Applications of Medicine provides necessary clinical applications of medical practices after the first-year of the program provides the medical foundations for future physicians, specialists, nurses, biomedical researchers and more. Students experience the reality of a medical career through hands-on clinical practices and college-level health science dual-enrollment coursework through Grand Canyon University. Students learn from health professionals who visit the classroom as expert guest lecturers. Learning experiences also include site visits to a variety of colleges, laboratories, hospitals and health care facilities.

40293 APPLICATIONS OF MEDICINE II H/PROFESSIONAL INTERNSHIP*

Prerequisites: Applications of Medicine II H
1 Credit

MET Applications of Medicine I H/Professional Internship will continue students' professional affiliations with MET Professional Academy business partners who will provide students mentorship and real-world experiences in the medical profession. Students will have the flexibility to manage projects, collaborate with others, and learn to be adaptable and successful in a professional setting.

MET TECHNOLOGY STRAND

MET Professional Academy courses meet three hours per day, Monday through Friday. The program is offered at Old Main on the campus of Peoria High School at 11200 N. 83rd Avenue, Peoria, AZ 85345.

CORE COURSES

ELECTIVE COURSES

Cybersecurity-Linux H * 	1 Credit
Cybersecurity-Microsoft Windows H* 	1 Credit
Cybersecurity-Cisco H* 	1 Credit
Cybersecurity-IT Ethics H* 	1 Credit
Cybersecurity Capstone I H* 	2 Credits
Cybersecurity Capstone II H* 	2 Credits

40100 CYBERSECURITY-LINUX H* 
Prerequisites: Application required. Junior or senior status. Must have demonstrated excellence in the first two years of high school math and science. Must be willing to comply with business ethics and professional dress codes. Must have access to personal transportation.
Co-requisite: Cybersecurity-Microsoft Windows H
1 Credit

This course is an introduction to Linux Operating system. Students will develop knowledge and skills required to install and troubleshoot a Linux-based workstation including basic functions. Students will learn basic command line and Graphical User Interface (GUI) desktop environment utilities and applications. Students will interact with MET Professional Academy business partners who will provide mentorships and real-world experiences in the information technology industry. Students will have the flexibility to manage projects, collaborate with others, and learn to be adaptable and successful in a professional setting. Earning dual enrollment credit is required through the Maricopa Community College system for this program at the MET Professional Academy.

40101 CYBERSECURITY-MICROSOFT WINDOWS H* 
Co-requisites: Cybersecurity-Linux H
1 Credit

This course is an introduction to Microsoft Windows operating system configuration. Develop knowledge and skills required to install and troubleshoot a Microsoft Windows operating system. Students will learn basic command line and Graphical User Interface (GUI) desktop environment utilities and applications. Students will interact with MET Professional Academy business partners who will provide mentorships and real-world experiences in the information technology industry. Students will have the flexibility to manage projects, collaborate with others, and learn to be adaptable and successful in a professional setting. Earning dual enrollment credit is required through the Maricopa Community College system for this program at the MET Professional Academy. This course will prepare students for Microsoft certification examination.

40102 CYBERSECURITY-CISCO H* 
Prerequisites: Application required. Junior or senior status. Must have demonstrated excellence in the first two years of high school math and science. Must be willing to comply with business ethics and professional dress codes. Must have access to personal transportation.
Co-requisite: Cybersecurity-IT Ethics H
1 Credit

This course is the introduction to cybersecurity architecture, structure, functions, and components of the Internet. Students are exposed to advanced techniques that include hands-on skills in configuring routers, switches and cybersecurity protocols. Students will excel in principles and structure of IP addressing, media, switches, routers, and fundamentals of Cisco Networking Technologies. Students will identify how networks are designed and be able to create and design in both a virtual environment and with current industry-standard hardware. Students will interact with MET Professional Academy business partners who will provide mentorships and real-world experiences in the information technology industry. Students will have the flexibility to manage projects, collaborate with others, and learn to be adaptable and successful in a professional setting. This course will prepare students for the Cisco certification examination. Earning dual credit is required through the Maricopa Community College system for this program at the MET Professional Academy.

40103 CYBERSECURITY-IT ETHICS H* 
Co-requisites: Cybersecurity-Cisco H
1 Credit

This course will incorporate cybersecurity ethical issues as a result of the reliance on computers, and the responsibilities of computer science professionals, companies and end users. Critical inquiry and review of ethical challenges in the information technology industry, including professional and corporate responsibility, government regulation, Internet crime, identity theft, employee surveillance, social networking and the ethics of IT industry. Students will interact with MET Professional Academy business partners who will provide mentorships and real-world experiences in the information technology industry. Students will have the flexibility to manage projects, collaborate with others, and learn to be adaptable and successful in a professional setting. Earning dual enrollment credit is required through the Maricopa Community College system for this program at the MET Professional Academy.

MET TECHNOLOGY

40104 CYBERSECURITY CAPSTONE I H*

Prerequisites: Minimum of 2 Credits in Cybersecurity program; ability to provide own transportation
2 Credits

Students will be working in cohorts in this capstone course, spending the semester solving real-world problems in conjunction with their instructor and mentor. These cohorts apply principles developed in previous MET Cybersecurity courses. Students will have the flexibility to manage projects, collaborate with others, and learn to be adaptable and successful in a professional setting. Skills applied include: brainstorming solutions and action planning, independently researching current patents and regulations, testing in real-world applications and simulations, and documenting the design in addition to presenting designs to industry experts. Earning dual enrollment credit is required through the Maricopa Community College system for this program at the MET Professional Academy. Students will choose a dual enrollment class during the first week of the course: CIS250 Management of Information Systems or CIS271 Information Security Essentials.

40105 CYBERSECURITY CAPSTONE II H*

Prerequisites: Minimum of 2 Credits in Cybersecurity program; ability to provide own transportation
2 Credits

Students will be working in cohorts in this capstone course, spending the semester solving real-world problems in conjunction with their instructor and mentor. These cohorts apply principles developed in previous MET Cybersecurity courses. Students will have the flexibility to manage projects, collaborate with others, and learn to be adaptable and successful in a professional setting. Skills applied include: brainstorming solutions and action planning, independently researching current patents and regulations, testing in real-world applications and simulations, and documenting the design in addition to presenting designs to industry experts. Dual enrollment credit is offered through the Maricopa Community College system for this program at the MET Professional Academy. Students may choose a dual enrollment class or an independent study during the first week of the course.

MET ENGINEERING STRAND

MET Professional Academy courses meet three hours per day, Monday through Friday. The program is offered at Old Main on the campus of Peoria High School at 11200 N. 83rd Avenue, Peoria, AZ 85345.

CORE COURSES

ELECTIVE COURSES

MET Engineering I H*	1 Credit
MET Engineering I H/MET Professional Internship*	1 Credit
MET Engineering II H*	1 Credit
MET Engineering II H/MET Professional Internship*	1 Credit
MET Engineering III H*	1 Credit
MET Engineering III H/MET Professional Internship*	1 Credit
MET Engineering IV H*	1 Credit
MET Engineering IV H/MET Professional Internship*	1 Credit

40300 MET ENGINEERING I H*

Prerequisites: Application required. Junior or senior status. Must have demonstrated excellence in the first two years of high school math and science. Must be willing comply with business ethics and professional dress codes. Must have access to personal transportation.

Co-requisite: MET Engineering I H /MET Professional Internship
1 Credit

MET Engineering I H is the first course in the MET Professional Academy Engineering strand. The MET Engineering strand is designed for students who are interested in a combination of rigorous science and engineering fundamentals, entrepreneurship, and innovation. MET Engineering students will use technical knowledge to create solutions to world problems. Student will begin with a broad introduction to industry-based engineering and learn the essential components of engineering and the design process. Students identify and solve real world problems in their community, in partnership with EPICS/high at ASU. (EPICS stands for Engineering Projects in Community Service). Students are introduced social entrepreneurship through our partnership with Seed Spot Next. Students are introduced the business model canvas and design thinking as a way to develop sustainable solutions to the problems they pursue. Students are introduced to three dimensional modeling and project scheduling. Students have the opportunity for professional certifications in electronic metering, torque and precision measurement. Students learn public speaking and presentation skills. Students will have the opportunity to participate in the Phoenix Youth Startup Weekend. Students will begin to build a professional digital profile. Dual enrollment credit is offered through the Maricopa Community College system for this program at the MET Professional Academy. *For Office Use Only. CIP:*

40390 MET ENGINEERING I H/ MET PROFESSIONAL INTERNSHIP*

Co-requisites: MET Engineering I H
1 Credit

MET Engineering I H/MET Professional Internship will introduce students to MET Professional Academy business partners who will provide students mentorship and real-world experiences in engineering professions. Students will have the flexibility to manage projects, collaborate with others, and learn to be adaptable and successful in a professional setting.

For Office Use Only. CIP:

MET ENGINEERING

40301 MET ENGINEERING II H*

Prerequisites: MET Engineering I H and MET Engineering I H/ MET Professional Internship

Co-requisite: MET Engineering II H and MET Engineering II H/ MET Professional Internship

1 Credit

MET Engineering II H is the second course of the MET Professional Academy Engineering Strand. This course receives Physics credit towards graduation and enrollment into Arizona State Universities. The MET Engineering strand is designed for students who are interested in a combination of rigorous science and engineering fundamentals, entrepreneurship, and innovation. The student learning experience can be individually tailored to engineering interests such as, electrical, mechanical, aeronautics, etc. and other principles including renewable energy and biomedical engineering. College-level classroom activities and lab work will advance MET students' understanding of the fundamentals of engineering, entrepreneurship and innovation. Students continue to work on EPICS/high and Seed Spot Next projects. Students are introduced to problem modeling, heuristics and algorithms. Students learn mathematical modeling with Excel. Students learn questioning and interviewing techniques; how to evaluate customer experiences and interfaces, and onboarding. Students learn how to develop value propositions, cost structuring and revenue streams for their chosen project. Students learn to improve their social media presence, public speaking and presentation skills. Students have the opportunity for OSHA-10 certification. Students will have the opportunity to participate in the Phoenix Youth Startup Weekend, EPICS Showcase and the Seed Spot Next Showcase. Dual credit may be obtained from Glendale Community College through MET Professional Academy. *For Office Use Only. CIP:*

40391 MET ENGINEERING II H/ MET PROFESSIONAL INTERNSHIP*

Prerequisites: MET Engineering I H, MET Engineering I H/ MET Professional Internship

Co-requisite: MET Engineering II H

1 Credit

This is the advanced professional internship with MET Professional Academy business partners to provide students mentorship and real-world experiences in engineering professions. Students will have the flexibility to manage projects, collaborate with others, and learn to be adaptable and successful in a professional setting.

For Office Use Only. CIP:

40302 MET ENGINEERING III H*

Prerequisites: MET Engineering II H and MET Engineering II H/ MET Professional Internship

Co-requisite: MET Engineering III H and MET Engineering III H/ MET Professional Internship

1 Credit

MET Engineering III H is the third course in the MET Professional Academy Engineering Strand. It is an engaging, hands-on class experience that examines the dynamic field of engineering. The MET Engineering strand is designed for students who are interested in a combination of rigorous science and engineering fundamentals, entrepreneurship, and innovation. The student learning experience can be individually tailored to engineering interests such as: electrical, mechanical, aeronautics, etc. and other principles including renewable energy and biomedical engineering. For those students who are seeking a career in engineering and want to make a difference, this creates the necessary educational foundation. Students will continue their study of EPICS and social entrepreneurship. Students are introduced to data analysis techniques. Students continue to develop their digital professional profile. College-level classroom activities and lab work will advance MET students' understanding of design thinking, human centered design, and prototyping and product development. Students learn the business model canvas, rapid prototyping, and how to develop a minimum viable product. Students will learn to pitch their ideas. MET students will learn to consider the historical perspective of ideas and consider how they may be applied to modern problems. MET students will also learn for diverse engineers in the field who may visit the classroom as expert guest lecturers. Students will have the opportunity for the SolidWorks Associate certification. Students will have the opportunity to participate in the Phoenix Youth Startup Weekend. Outside the classroom, learning experiences will involve visits to a variety of college and professional partners' facilities. *For Office Use Only. CIP:*

40392 MET ENGINEERING III H/ MET PROFESSIONAL INTERNSHIP*

Prerequisites: MET Engineering II H, MET Engineering II H/ MET Professional Internship

Co-requisite: MET Engineering III H

1 Credit

This is the advanced professional internship with MET Professional Academy business partners to provide students mentorship and real-world experiences in engineering professions. Students will have the flexibility to manage projects, collaborate with others, and learn to be adaptable and successful in a professional setting.

For Office Use Only. CIP:

MET ENGINEERING

40303 MET ENGINEERING IV H*

Prerequisites: MET Engineering III H and MET Engineering III H/MET Professional Internship

Co-requisite: MET Engineering III H and MET Engineering IV H/MET Professional Internship

1 Credit

MET Engineering IV H is the fourth course in the MET Professional Academy Engineering Strand. It is an engaging, hands-on class experience that examines the dynamic field of engineering. The MET Engineering strand is designed for students who are interested in a combination of rigorous science and engineering fundamentals, entrepreneurship, and innovation. The student learning experience can be individually tailored to engineering interests such as electrical, mechanical, aeronautics, etc. and other principles including renewable energy and biomedical engineering. Students learn professional leadership skills and the practice of reflection for continued learning and self-improvement. For those students who are seeking a career in engineering and want to make a difference, this creates the necessary educational foundation. College-level classroom activities and lab work will advance MET students' understanding of design thinking, human centered design, and prototyping and product development. MET students will also learn from diverse engineers in the field who may visit the classroom as expert guest lecturers. Outside the classroom, learning experiences will involve visits to a variety of college and professional partners' facilities. Students have the opportunity to participate in the Phoenix Youth Startup Weekend, EPICS Showcase and the Seed Spot Next Showcase. *For Office Use Only. CIP:*

40393 MET ENGINEERING IV H/ MET PROFESSIONAL INTERNSHIP*

Prerequisites: MET Engineering III H, MET Engineering III H/ MET Professional Internship

Co-requisite: MET Engineering IV H

1 Credit

This is the advanced professional internship with MET Professional Academy business partners to provide students mentorship and real-world experiences in engineering professions. Students will have the flexibility to manage projects, collaborate with others, and learn to be adaptable and successful in a professional setting.

For Office Use Only. CIP:

WestMEC

Entrance requirements for West-MEC Central Programs can be found at: <http://www.west-mec.org/>

AESTHETICIAN PROGRAM

The Aesthetician Program prepares students for a career as trained skin care professionals who specialize in providing skin care and beauty-related services. Courses include integrated clinical experiences. In partnership with Gateway Community College, courses meet three and a half hours per day, Monday through Friday. This program is located at Gateway Community College at Deer Valley, 2931 W. Bell Rd., Phoenix, AZ 85023

CORE COURSES

ELECTIVE COURSES

29540 AESTHETICIAN FOUNDATIONS (AE101)

Prerequisites: Application required.

Junior or senior status

TUITION

2 ¼ Credits

Aesthetician Foundations is the first course of the one-year program, offered to high schools juniors or seniors. This 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. *For Office Use Only. CIP: 12.0400.14*

Aesthetician Foundations

2 ¼ Credits

Aesthetician Services

2 ¼ Credits

29541 AESTHETICIAN SERVICES (AE102)

Prerequisites: Aesthetician

Foundations

Junior or senior status

TUITION

2 ¼ Credits

Aesthetician Services is the second course of the one-year program. The course allows students to apply learn 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.

For Office Use Only. CIP: 12.0400.22

AIR CONDITIONING TECHNICIAN (ONE YEAR)

The Air Conditioning 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. Courses meet three hours per day, Monday through Friday at the West-MEC Northeast campus, 1617 W. Williams Drive, Phoenix AZ 85207.

CORE COURSES

ELECTIVE COURSES

29624 HVAC-R FUNDAMENTALS* (ARC103)

TUITION

2 Credits

HVACR Fundamentals is the first course in a series of two. 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.

For Office Use Only. CIP: 47.0200.10

HVAC-R Fundamentals

2 Credits

HVAC-R Technician

2 Credits

29622 HVAC-R TECHNICIAN* (ARC104)

Prerequisites: HVAC-R

Fundamentals

TUITION

2 Credits

HVAC-R Technician is the final course in a series of two. This course will cover the following: commercial air systems, chimneys, flues, hydronic systems, air quality, leak detention, recovery and charging, basic electronics, control circuit troubleshooting, troubleshooting gas heating and cooling, heat pumps, basic installation and maintenance practices and duct systems. *For Office Use Only: CIP: 47.0200.20*

AUTOMOTIVE COLLISION TECHNOLOGY

The Automotive Collision Technology program focuses on auto body repair. Courses meet two and a half hours per day, Monday through Friday at West-MEC Northeast Campus, 1617 Williams Dr. Phoenix, AZ 85027.

CORE COURSES

ELECTIVE COURSES

Auto Collision Core Curriculum*	1½ Credits
Auto Collision Repair*	1½ Credits
Auto Collision Structural Repair*	1½ Credits
Auto Collision Adv. Painting Techniques*	1½ Credits

29654 AUTO COLLISION CORE CURRICULUM* (AC101)

Prerequisites: Application required.
Junior or senior status.

TUITION
1½ Credit

Automotive Collision Core Curriculum is the first course of a two-year automotive collision repair 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. *For Office Use Only. CIP: 47.0600.13*

29655 AUTO COLLISION REPAIR* (AC102)

Prerequisites: Automotive Collision Core Curriculum.
Junior or senior status.

TUITION
1½ Credit

Automotive Collision Repair 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.

For Office Use Only. CIP: 47.0600.30

29652 AUTO COLLISION STRUCTURAL REPAIR* (AC201)

Prerequisites: Auto Collision Repair

TUITION
1½ Credits

Auto Collision Structural Repair starts the second year of the two-year automotive collision 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 will also be covered. Upon completion of the two-year program, students may test for I-Car Industry Certification. *For Office Use Only. CIP: 47.0600.35*

29653 AUTO COLLISION ADV. PAINTING TECHNIQUES* (AC202)

Prerequisites: Auto Collision Structural Repair

TUITION
1½ Credits

Auto Collision Adv. Painting Techniques is the final course in the two-year automotive collision industries 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. *For Office Use Only. CIP: 47.0600.35*

AUTOMOTIVE TECHNOLOGY

The goal of the Automotive Technology program is to provide experience in the Automotive Service Technology field and prepare students to be successful in the industry. Courses meet two and a half hours per day, Monday through Friday. This program is located at West-MEC Northeast Campus, 1617 W. Williams Dr., Phoenix, AZ 85027.

CORE COURSES

ELECTIVE COURSES

Automotive Tech Core Curriculum*	1 ½ Credits
Automotive Tech I*	1 ½ Credits
Automotive Tech II*	1 ½ Credits
Automotive Tech Adv. Systems*	1 ½ Credits

29665 AUTO TECHNOLOGIES CORE CURRICULUM* (AT101)

Prerequisites: Application required.
Junior status.

TUITION
1 ½ Credit

Automotive Technologies Core Curriculum 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.

For Office Use Only. CIP: 47.0600.10

AUTOMOTIVE TECHNOLOGY

<p>29666 AUTO TECHNOLOGIES I* (AT102) <i>Prerequisites:</i> Automotive Technologies Core Curriculum. Junior status. TUITION 1 ½ Credit</p>	<p>Automotive Technologies I 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. <i>For Office Use Only. CIP: 47.0600.20</i></p>
<p>29667 AUTO TECHNOLOGIES II* (AT201) <i>Prerequisites:</i> Must have completed the first year of Automotive Technologies through West-MEC. Senior status only. TUITION 1 ½ Credit</p>	<p>Automotive Technologies II 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. <i>For Office Use Only. CIP: 47.0600.25</i></p>
<p>29668 AUTO TECHNOLOGIES ADV. SYSTEMS* (AT202) <i>Prerequisites:</i> Automotive Technologies II. Senior status only. TUITION 1 ½ Credit</p>	<p>Automotive Technologies Advanced Systems 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. <i>For Office Use Only. CIP: 47.0600.26</i></p>

AVIATION MAINTENANCE TECHNOLOGY

The Aviation Maintenance Technology program includes approximately 17 days each June to meet the minimum hours of required FAA instruction. Courses meet four and a half hours per day, Monday through Friday at the West-MEC Central Campus, 6997 N. Glen Harbor Blvd., Glendale, AZ 85307.

CORE COURSES

ELECTIVE COURSES

Aviation Tech I General Curriculum*	3 Credits
Aviation Airframe Systems I*	2 Credits
Aviation Airframe Systems Summer	1 Credit
Aviation Airframe Systems II*	3 Credits
Aviation Powerplant*	2 Credits
Aviation Powerplant Summer*	1 Credit

<p>29780 AVIATION TECHNOLOGIES GENERAL CURRICULUM* (AV101) <i>Prerequisites:</i> Counselor & parent approval. Junior status. TUITION 3 Credits</p>	<p>Aviation Technologies General Curriculum is the first course of a two-year Aviation Maintenance Technology program, offered to junior students. 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, weights and balance. <i>For Office Use Only. CIP: 47.0600.15</i></p>
<p>29781 AVIATION AIRFRAME SYSTEMS I* (AV102) <i>Prerequisites:</i> Aviation Technologies General Curriculum. TUITION 2 Credits</p>	<p>Aviation Airframe Systems I 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. <i>For Office Use Only. CIP: 47.0600.50</i></p>
<p>29685 AVIATION AIRFRAME SYSTEMS SUMMER (AV103) <i>Prerequisites:</i> Aviation Airframe Systems I TUITION 1 Credit</p>	<p><i>For Office Use Only. CIP: 47.0600.50</i></p>
<p>29782 AVIATION AIRFRAME SYSTEMS II* (AV201) <i>Prerequisites:</i> Aviation Airframe Systems Summer. Senior status only TUITION 3 Credits</p>	<p>Aviation Airframe Systems II 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. <i>For Office Use Only. CIP: 47.0600.55</i></p>

AVIATION MAINTENANCE TECHNOLOGY

29783 AVIATION POWERPLANT* (AV202)
Prerequisites: Aviation Airframe Systems II. Senior status only.
 TUITION
 2 Credits

Aviation Powerplant I Systems is the final course of the Aviation 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. *For Office Use Only. CIP: 47.0600.55*

29686 AVIATION POWERPLANT SUMMER* (AV203)
Prerequisites: Aviation Powerplant I Systems.
 TUITION
 1 Credit

For Office Use Only. CIP: 47.0600.55

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-Building B, 6997 N. Glen Harbor Blvd. Glendale, Arizona 85307

CORE COURSES

ELECTIVE COURSES

Avionics Technologies Fundamentals I*	1 ½ Credits
Avionics Technologies Fundamentals II*	1 ½ Credits
Avionics Technologies Services I*	1 ½ Credits
Avionics Technologies Services II*	1 ½ Credits

29690 AVIONICS TECHNOLOGY FUNDAMENTALS I* (ET101)
Prerequisites:
 TUITION
 1 ½ Credits

Avionics Technologies Fundamentals I 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. *For Office Use Only. CIP: 15.0300.10*

29691 AVIONICS TECHNOLOGY FUNDAMENTALS II* (ET102)
Prerequisites: Avionics Technology Fundamentals I
 TUITION
 1 ½ Credits

Avionics Technologies Fundamentals II 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.
For Office Use Only. CIP: 15.0300.20

29692 AVIONICS TECHNOLOGY SERVICES I* (ET201)
Prerequisites: Avionics Technology Fundamentals II
 TUITION
 1 ½ Credits

Avionics Technologies Services I is the third course on 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. *For Office Use Only. CIP: 15.0300.25*

29693 AVIONICS TECHNOLOGY SERVICES II* (ET202)
Prerequisites: Avionics Technology Services I
 TUITION
 1 ½ Credits

Avionics Technologies Services II 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.
For Office Use Only. CIP: 15.0300.26

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

CORE COURSES

ELECTIVE COURSES

Survey of Coding*	1 ½ Credits
Coding Fundamentals I*	1 ½ Credits
Coding Fundamentals II*	1 ½ Credits
Coding Applications*	1 ½ Credits

29415 SURVEY OF CODING* (C101)

Prerequisites:

TUITION

1 ½ Credits

Survey of Coding 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: PHPStorm, Git and GitHub, HTML5 and CSS3, Javascript, and PHP. Students will apply skills and knowledge to develop web-based applications. *For Office Use Only. CIP: 15.1200.13*

29416 CODING FUNDAMENTALS I* (C102)

Prerequisites: Survey of Coding

TUITION

1 ½ Credits

Coding Fundamentals I 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, control structures, data types and structures, and debugging methods. This course also covers relational database design and setup. Students will apply skills and knowledge to develop more complex web-based applications with emphasis on data collection, code management, and data persistence.

For Office Use Only. CIP: 15.1200.15

29417 CODING FUNDAMENTALS II (C201)

Prerequisites: Coding Fundamentals I

TUITION

1 ½ Credits

Coding Fundamentals II is the third course of the two-year Coding program. Students will learn advanced programming, integration, and team-oriented programming. Emphasis is on the emerging NodeJS development stack covering topics such as: server-side JavaScript, APIs and 3rd party integration, module/package development and publishing. This course also covers document-based (NoSQL) database design and development. Students will apply skills and knowledge to develop NodeJS APIs ready for front-end service consumption. *For Office Use Only. CIP: 15.1200.44*

29418 CODING APPLICATIONS* (C202)

Prerequisites: Coding Fundamentals II

TUITION

1 ½ Credits

Coding Applications is the fourth course of the two-year Coding program. The course allows students to apply learned skills in software development to create robust services and applications. Emphasis remains on full-stack JavaScript development. Students will build on the skills and knowledge acquired in the previous courses with an emphasis on: AngularJS and single page applications, mobile device service consumption, and cloud deployment of developed applications. *For Office Use Only. CIP: 15.1200.45*

COSMETOLOGY

The Cosmetology program includes approximately 12 days each June in order to complete the required training hours. Also in partnership with Gateway Community College, courses meet four hours per day, Monday through Friday. This program is located at West-MEC Northwest Campus, 13201 W. Grand Avenue, Surprise, AZ 85374 and Gateway Community College at Deer Valley, 2931 W. Bell Rd., Phoenix, AZ 85023.

CORE COURSES

ELECTIVE COURSES

Fundamentals of Cosmetology*	3 Credits
Cosmetology Basic Applications*	2 ½ Credits
Cosmetology Basic Applications Summer*	½ Credits
Cosmetology Advanced Applications*	3 Credits
Practicum & Certification Prep*	2 ½ Credits
Practicum & Certification Prep Summer*	½ Credits

29530 FUNDAMENTALS OF COSMETOLOGY* (COS101)

Prerequisites: Application required.

Junior status.

TUITION

3 Credit

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. *For Office Use Only. CIP: 12.0400.10*

29536 COSMETOLOGY BASIC APPLICATIONS* (COS102)

Prerequisites: Fundamentals of Cosmetology. Junior status.

TUITION

2 ½ Credits

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. *For Office Use Only. CIP: 12.0400.12*

29537 COSMETOLOGY BASIC APPLICATIONS SUMMER* (COS103)

Prerequisites: Cosmetology Basic Applications

TUITION

½ Credit

29532 COSMETOLOGY ADV. APPLICATIONS* (COS201)

Prerequisites: Must have completed the first year of Cosmetology through West-MEC. Senior status only.

TUITION

3 Credits

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.

For Office Use Only. CIP: 12.0400.20

COSMETOLOGY

29538 PRACTICUM & CERTIFICATION PREP* (COS202)

Prerequisites: Cosmetology
Advanced Applications. Senior
status only.
TUITION
2 ½ Credits

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. *For Office Use Only. CIP: 12.0400.20*

29539 PRACTICUM & CERTIFICATION PREP SUMMER* (COS203)

Prerequisites: Practicum &
Certification Prep
TUITION
½ Credit

ELECTRICAL TRADE SPECIALTY

The Electrical Trade Specialty program prepares trainees to enter the electrical field. This course will cover the base fundamentals of the following: construction math, power & hand tools, basic rigging, material handling, communication skills, and employability skills, electrical circuits, device boxes and equipment, raceways and fittings, conductors and cables, motors, lighting, pull and junction boxes, breakers and fuses, safety, construction drawings and control systems. Courses meet two and a half hours per day, Monday through Friday. This program is located at West-MEC Northeast Campus, 1617 W. Williams Drive, Phoenix, AZ 85027.

CORE COURSES

ELECTIVE COURSES

Industrial Electrician Fundamentals*	1 ½ Credits
Industrial Electrician*	1 ½ Credits

29750 INDUSTRIAL ELECTRICIAN FUNDAMENTALS (ELE101)

Prerequisites: Application required.
TUITION
1 ½ Credit

Industrial Electrician Fundamentals is the first in a series of two courses. This foundation course will cover the core curriculum of safety, construction math, power & hand tools, basic rigging, material handling, communication skills, and employability skills. The students will learn about electrical circuits, National Electric Code, Device boxes, conduit bending, construction drawings, raceways, fittings, conductors, cables, residential electric services, and test equipment. The student will develop skills in oral and written communications as they relate to the electrical industry. This course is designed to help students develop an enhanced understanding of teamwork, employability skills, and career opportunities in the electrical field. *For Office Use Only. CIP: 46.0300.12*

29751 INDUSTRIAL ELECTRICIAN (ELE102)

Prerequisites: Industrial Electrician
Fundamentals
TUITION
1 ½ Credits

Industrial Electrician is the second in a series of two courses. This course prepares the individual to apply and demonstrate advanced technical knowledge and skills using a variety of techniques and equipment. This course includes a focus on alternating current, motors, lighting, conduit bending, pull boxes, junction boxes, conductor installation, cable tray, terminating and splicing conductors, fuses, circuit breakers, and control systems. Students will also plan, design, and complete project-based activities.

For Office Use Only. CIP: 46.0300.30

EMERGENCY MEDICAL TECHNICIAN (ONE SEMESTER)

The Emergency Medical Technician (EMT) program meets at various campuses. Community College Credits are awarded when courses are successfully completed. In partnership with Maricopa Community Colleges, courses meet three hours per day, Monday through Thursday. This program is located at Southwest Skill Center, 3000 N. Dysart Road, Avondale, AZ 85392 and Gateway Community College at Deer Valley, 2931 W. Bell Road, Phoenix, AZ 85023.

CORE COURSES

ELECTIVE COURSES

29409 FUNDAMENTALS OF EMT*

(EM101A)

Prerequisites: Application required.

TUITION

1 Credit

Fundamentals of EMT 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.

For Office Use Only. CIP: 51.0900.30

Fundamentals of EMT* 1 Credit

Adv Applications of EMT* 1 Credit

29411 ADV. APPLICATIONS OF EMT*

(EM101B)

Prerequisites: Application required.

TUITION

1 Credit

Advanced Applications of EMT is 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.

For Office Use Only. CIP: 51.0900.35

ENERGY & INDUSTRIAL TECHNOLOGY

The Energy and Industrial Technology Program is a multidisciplinary field of study that includes a combination of mechanical engineering, electrical engineering, automation and control systems engineering. In close partnership with Arizona Public Service, Palo Verde Generating Station, and Estrella Mountain Community College, courses meet two and one-half hours per day, Monday through Friday. This program is located at the West-MEC Southwest Campus, 500 N. Verrado Way, Buckeye, AZ 85326.

CORE COURSES

ELECTIVE COURSES

29705 ENERGY & INDUSTRIAL TECHNOLOGY 1* (EIT101)

Prerequisites: Application required.

Must meet community college entrance requirements.

TUITION

1 ½ Credit

Energy & Industrial Technology 1 covers safety, tools, technical schematics and energy technologies. The labor portion of this course provides hands-on experience for the mechanical and electrical skills required of E&IT technicians. This course is aligned with Occupational Safety and Health Administration (OSHA) and the National Center for Construction Education and Research (NCCER) curriculum. There are dual enrollment opportunities for 6 college credits and two industrial certifications associated with this course. *For Office Use Only. CIP: 15.0612.10*

Energy & Industrial Technology 1* 1 ½ Credits

Energy & Industrial Technology 2* 1 ½ Credits

Energy & Industrial Technology 3* 1 ½ Credits

Energy & Industrial Technology 4* 1 ½ Credits

29706 ENERGY & INDUSTRIAL TECHNOLOGY 2* (EIT102)

Prerequisites: Energy & Industrial Technology 1. Must meet community college entrance requirements.

TUITION

1 ½ Credit

Energy & Industrial Technology 2 covers pumps, drivers, valves, lubrication and oxy-fuel cutting. The laboratory portion of this course provides hands-on experience for the mechanical and electrical skills required of E&IT technicians. This course is aligned with NCCER curriculum. There are dual enrollment opportunities for 6 college credits and one industrial certification associated with this course. *For Office Use Only. CIP: 15.0612.20*

ENERGY & INDUSTRIAL TECHNOLOGY

29707 ENERGY & INDUSTRIAL TECHNOLOGY 3* (EIT201)

Prerequisites: Energy & Industrial Technology 2. Must meet community college entrance requirements.
TUITION

1 ½ Credit

Energy & Industrial Technology 3 covers piping systems, fluid systems, and mechanical components. The laboratory portion of this course provides hands-on experience for the automation and control systems skills required of E&IT technicians. This course is aligned with NCCER curriculum. There are dual enrollment opportunities for 6 college credits and one industrial certification associated with this course. *For Office Use Only. CIP: 15.0612.30*

29708 ENERGY & INDUSTRIAL TECHNOLOGY 4* (EIT202EI)

Prerequisites: Energy & Industrial Technology 3. Must meet community college entrance requirements.
TUITION

1 ½ Credit

Energy & Industrial Technology 4 covers AC/DC theory, process instrumentation, test equipment and digital control equipment. The laboratory portion of this course provides hands-on experience for the automation and control systems skills required of E&IT technicians. This course is aligned with NCCER curriculum. There are dual enrollment opportunities for 6 college credits and one industrial certification associated with this course. *For Office Use Only. CIP: 15.0612.40*

FIRE SCIENCE

The Fire Science program meets two days per week for a total of six hours per week. 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. In partnership with Maricopa Community Colleges, courses meet three hours per day, twice a week, Monday & Wednesday or Tuesday & Thursday. This program is located at Estrella Mountain Community College, 3000 N. Dysart Road, Avondale, AZ 85392 and Glendale Community College Main Campus, 6000 W. Olive Avenue, Glendale, AZ 85302.

CORE COURSES

ELECTIVE COURSES

Intro to Fire Protection and Suppression*

1 Credit

Hazardous Materials/First Responder/Special Projects*

1 Credit

29504 INTRO TO FIRE PROTECTION AND SUPPRESSION* (FS101)

Prerequisites: Application required. Junior status.
TUITION
1 Credit

Introduction to Fire Protection and Suppression 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. *For Office Use Only. CIP: 43.0200.10*

29505 HAZARDOUS MATERIALS/ FIRST RESPONDER/SPECIAL PROJECTS* (FS102)

Prerequisites: Intro to Fire Suppression and Suppression. Senior Status only.
TUITION
1 Credit

Hazardous Materials/First Responders/Special Projects 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.

For Office Use Only. CIP: 43.0200.20

GENERAL CONSTRUCTION TECHNOLOGY (ONE YEAR)

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 three hours per day, Monday through Friday. This program is located at West-MEC Northeast Campus, 1617 W. Williams Dr., Phoenix, AZ 85027 and the West-MEC Southwest Campus, 500 N. Verrado Way, Buckeye, AZ 85326.

CORE COURSES

ELECTIVE COURSES

29640 GENERAL CONSTRUCTION I & II* (GC103)

Prerequisites:

TUITION

2 Credits

General Construction I & II is the first in a series of two courses. General Construction I & II will cover the core curriculum of construction drawings, basic electricity, safety, power and hand tools, math, estimating skills rigging and business concepts. This course also includes flooring, roof systems, stairs, walls, ceiling systems, and exterior finishes (concrete). *For Office Use Only. CIP: 46.0400.10*

29641 GENERAL CONSTRUCTION III & IV* (GC104)

Prerequisites: General Construction I & II

TUITION

2 Credits

General Construction III & IV is the second course in a series of two. This course covers advanced work in the major content in Construction Technology I and II with an added emphasis placed on Carpentry. This course also includes an overview of information security principles, access control, risk management, and compliance. Covers threats to the IT infrastructure and how they can impact operations. Demonstrates strategies to mitigate risk impacts as they relate to the IT infrastructure. Provides technical knowledge required to execute on the essentials of information security.

For Office Use Only. CIP: 46.0400.10

GENERAL CONSTRUCTION TECHNOLOGY (TWO YEARS)

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. This program is located at West-MEC Northwest Campus, 13201 W. Grand Avenue, Surprise, AZ 85374 and West-MEC Southwest Campus, 500 N. Verrado Way, Buckeye, AZ 85326.

CORE COURSES

ELECTIVE COURSES

29634 GENERAL CONSTRUCTION I* (GC101)

Prerequisites:

TUITION

1 ½ Credits

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

For Office Use Only. CIP: 46.0400.10

29635 GENERAL CONSTRUCTION II* (GC102)

Prerequisites: General Construction I

TUITION

1 ½ Credits

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

For Office Use Only. CIP: 46.0400.10

29636 GENERAL CONSTRUCTION III* (GC201)

Prerequisites: General Construction II

TUITION

1 ½ Credits

General Construction III is the third course in a series of four. General Construction III covers advanced work in the major content in Construction Technology one and two. New Emphasis will be placed on Carpentry. *For Office Use Only. CIP: 46.0400.20*

29637 GENERAL CONSTRUCTION IV* (GC202)

Prerequisites: General Construction III

TUITION

1 ½ Credits

General Construction IV 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. *For Office Use Only. CIP: 46.0400.20*

IT SECURITY

The IT Security program prepares students to work with computer network security. This program will cover the fundamentals of operating systems, network management and security, ethics in information technology and management of information systems. Courses meet two and one-half hours per day, Monday through Friday. This program is located at West-MEC Northwest Campus, 13201 W. Grand Avenue, Surprise, AZ 85374 and West-MEC Southwest Campus, 500 N. Verrado Way, Buckeye, AZ 85326.

CORE COURSES

ELECTIVE COURSES

Information Technologies Fundamentals*	1 ½ Credits
IT-Operating Systems*	1 ½ Credits
IT-Networks, Switches, Routers*	1 ½ Credits
IT-Security*	1 ½ Credits

29710 INFORMATION TECHNOLOGIES FUNDAMENTALS* (ITS101)

TUITION

1 ½ Credits

Information Technologies Fundamentals is an overview of the fundamental concepts of computer information systems used in personal and business environments. This course introduces computer hardware, software, procedures, systems, languages and human resources. It further explores social and ethical issues related to computer systems, Internet protocol, emerging technologies problem solving and troubleshooting. Preparation for CompTIA A+ examination. *For Office Use Only. CIP: 15.1200.10*

29712 IT-OPERATING SYSTEMS* (ITS102)

Prerequisites: Information Technologies Fundamentals

TUITION

1 ½ Credits

IT-Operating Systems is a course that includes knowledge and skills necessary to perform day-to-day administration tasks and troubleshooting in a Microsoft Windows and Linux based operating system environment. *For Office Use Only. CIP: 15.1200.30*

29711 IT-NETWORKS, SWITCHES, ROUTERS* (ITS201)

Prerequisites: IT-Operating Systems

TUITION

1 ½ Credits

IT-Networks, Switches, Routers introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced. Students will build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. Preparation for Cisco certification examination. *For Office Use Only. CIP: 15.1200.10*

29713 IT-SECURITY* (ITS202)

Prerequisites: IT-Networks, Switches, Routers

TUITION

1 ½ Credits

IT-Security is an overview of information security principles, access control, risk management, and compliance. Covers threats to the IT infrastructure and how they can impact operations. Demonstrates strategies to mitigate risk impacts as they relate to the IT infrastructure. Provides technical knowledge required to execute on the essentials of information security. *For Office Use Only. CIP: 15.1200.30*

LAW, PUBLIC SAFETY AND SECURITY

The Law, Public Safety and Security program prepares students to perform technical services involved with planning, organizing, researching, directing and controlling functions and processes related to the provision of Law, Public Safety and Security services. An integrated approach to teaching and learning is provided as students develop interpersonal relations, career development skills and technical knowledge and skills associated with careers in this growing field. Students completing this program will be prepared to participate in teams, solve problems, think critically, and implement effective solutions. Courses meet two and one-half hours per day, Monday through Friday. This program is located at West-MEC Central Campus, 6997 N. Glen Harbor Blvd., Glendale, AZ 85307 and West-MEC Northwest Campus, 13201 W. Grand Avenue, Surprise, AZ 85374.

CORE COURSES

ELECTIVE COURSES

Fundamentals of Law, Public Safety and Security I*	1 ½ Credits
Fundamentals of Law, Public Safety and Security II*	1 ½ Credits
Law, Public Safety and Security-Adv. Apps I*	1 ½ Credits
Law, Public Safety and Security-Adv. Apps II*	1 ½ Credits

29720 FUNDAMENTALS OF LAW, PUBLIC SAFETY AND SECURITY I* (LPS101)

TUITION

1 ½ Credits

Fundamentals of Law, Public Safety and Security introduces students to careers in Law, Public Safety and Security and prepares students to apply academic and technical knowledge and skills related to common industry standards and practices. This course includes fitness standards, defensive tactics, patrol functions, traffic control, firearms safety, report writing, evidence packaging and SWAT. *For Office Use Only. CIP: 43.0100.10*

LAW, PUBLIC SAFETY AND SECURITY

29721 FUNDAMENTALS OF LAW, PUBLIC SAFETY AND SECURITY II* (LPS102)

Prerequisites: Fundamentals of Law, Public Safety and Security I

TUITION

1 ½ Credits

Fundamentals of Law, Public Safety and Security introduces students to careers in Law, Public Safety and Security and prepares students to apply academic and technical knowledge and skills related to common industry standards and practices. This course includes securing the scene, introduction to sketching, impressions evidence, blood splatter analysis, hair and fiber analysis, firearm ballistics, death investigation, community policing, crisis negotiation, building searches, interviewing and interrogation, drug investigations and victim advocacy. *For Office Use Only. CIP: 43.0100.10*

29722 LAW, PUBLIC SAFETY AND SECURITY-ADVANCED APPLICATIONS I* (LPS201)

Prerequisites: Fundamentals of Law, Public Safety and Security II

TUITION

1 ½ Credits

Law, Public Safety and Security-Advanced Applications I prepares students to apply advanced academic and technical knowledge and skills to a variety of settings within Law, Public Safety and Security. This course includes introduction to corrections, a jail field trip, court testimony, security pathways, incident command, advanced forensics, basic HAZMAT, search and rescue and human tracking. *For Office Use Only. CIP: 43.0100.20*

29723 LAW, PUBLIC SAFETY AND SECURITY-ADVANCED APPLICATIONS II* (LPS202)

Prerequisites: Fundamentals of Law, Public Safety and Security-Advanced Applications I

TUITION

1 ½ Credits

Law, Public Safety and Security-Advanced Applications II prepares students to apply advanced academic and technical knowledge and skills to a variety of settings within Law, Public Safety and Security. This course includes community relations, computer forensics, cyber security, arson investigations, forensic interviewing and odontology, animal control, professional dispatching, bike safety/patrol, accident reconstruction, fraud investigation and insurance investigations. *For Office Use Only. CIP: 43.0100.20*

MASSAGE THERAPY

The Massage Therapy Program builds strong foundational Massage skills for students planning on entering the rapidly growing Massage Therapy Industry whether they choose to pursue: private practice, spas, fitness centers, sports teams, hospitals, rehabilitation centers, or chiropractic offices. Focus is placed on structural massage—the ability to couple and apply a deep understanding of anatomy with powerful tissue sculpting techniques in order to create radical change in the body. 50% of course time is devoted to hands-on activities including Swedish, Deep Tissue, Myofascial, Sports, Pregnancy, and Asian Massages. 25% of course time is spent on anatomy, physiology, and kinesiology as they pertain to Massage Therapy. The remainder of the course is devoted to addressing specific syndromes, delivering superior service in a safe manner, ethics, and business training applicable to the industry. In partnership with Gateway Community College, courses meet three and a half hours per day, Monday through Friday. This program is located at Gateway Community College at Deer Valley, 2931 West Bell Rd., Phoenix, AZ 85023.

CORE COURSES

29730 MASSAGE THERAPY FOUNDATIONS* (MT101)

TUITION

2 ¾ Credits

Massage Therapy Foundations is the first course of the one-year Massage Therapy program, offered to high school seniors. The course covers basics such as: sanitation, hygiene, safety, massage contraindications, ethics, healthy therapeutic relationships, professional communication, overview of the human body, healthcare terminology, muscle theory, client care, self-care, and Swedish Massage. It then continues with advanced anatomy and massage, focusing in detail on the skeletal and muscular components and manipulations of the upper body. Students are taught all the bones and muscles of the upper body and the kinesiology that develops from their interactions. Corresponding Deep-Tissue Massage for the upper body is taught in conjunction with the advanced anatomy to ensure its practical application. Eastern Massage is taught with an emphasis on Thai Massage and its integration with Western Structural Massage. Recently learned skills will be practiced on the general public during clinic. *For Office Use Only. CIP: 51.3500.10*

ELECTIVE COURSES

Massage Therapy Foundations*	2 ¾ Credits
Massage Therapy Services*	2 ¾ Credits

MASSAGE THERAPY

29731 MASSAGE THERAPY SERVICES* (MT102)

Prerequisites: Massage Therapy Foundations

TUITION

2 ¾ Credits

Massage Therapy Services is the second semester of this advanced anatomy and massage course focuses in detail on the skeletal and muscular components and manipulations of the lower body. Students will learn all the bones and muscles of the lower body and the kinesiology that develops from their interactions. Corresponding Deep-Tissue Massage for the lower body is taught in conjunction with the advanced anatomy to ensure its practical application. Students combine all of their program skills; integrating anatomy, kinesiology, concepts, theories, and techniques to properly assess clients and apply critical thinking in tailoring treatments to individuals with documentation. Common injuries and conditions are covered with specific strategies and protocols to address them. Business skills and entrepreneurial perspectives conducive to the industry of massage therapy are taught along with promotional massage techniques such as chair massage. Recently learned skills will be practiced on the general public during clinic.

For Office Use Only. CIP: 51.3500.20

MEDICAL ASSISTING (ONE YEAR)

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 may include summer clinical experiences. Courses meet four hours per day, Monday through Friday. This program is located at West-MEC Northeast Campus, 1617 W. Williams Drive, Phoenix, AZ 85027 and the West-MEC Southwest Campus, 500 N. Verrado Way, Buckeye, AZ 85326.

CORE COURSES

ELECTIVE COURSES

Medical Assistant Foundations I & II*	2 ¾ Credits
Medical Assistant Services I & II*	2 ¾ Credits

29434 MEDICAL ASSISTANT FOUNDATIONS I & II* (MA103)

Prerequisites:

TUITION

2 ¾ Credits

Medical Assistant Foundations I & II is the first course of the one-year Medical Assistant program, offered to high school seniors. 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, identification of acronyms/symbols, patient scenarios, cells/tissues/organs/body systems, disease process, OSHA standards, hand washing, medical asepsis, vital signs, body temperature, pulse, respiration and preparation of patient for physical exam. The course also 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 authorization 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. *For Office Use Only. CIP: 51.0800.10*

29435 MEDICAL ASSISTANT SERVICES I & II* (MA104)

Prerequisites: Medical Assistant Foundations I & II

TUITION

2 ¾ Credits

Medical Assistant Services I & II starts the second semester of the one-year Medical Assisting 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, sanitizing/disinfecting instruments, wrapping instruments for autoclave, standard precautions, infection control, microbes classification preparing treatment room, patient history/assessment, height/weight/head circumference, healthcare, EKGs & artifacts, holter monitor, spirometry, instruments, sterile pack, preparing patient for minor surgery, applying sterile gloves, sterile dressing change, suture removal, heat/cold applications, therapeutic ultrasound and casting applications-splints/crutches/canes/walkers/wheelchairs. This course also 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.

For Office Use Only. CIP: 51.0800.60

MEDICAL ASSISTING (TWO YEAR)

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 may include summer clinical experiences. Courses meet two and a half hours per day, Monday through Friday. This program is located at the West-MEC Northeast Campus, 1617 W. Williams Drive, Phoenix, AZ 85027; West-MEC Northwest Campus, 13201 W. Grand Avenue, Surprise, AZ 85374 and West-MEC Southwest Campus, 500 N. Verrado Way, Buckeye, AZ 85326.

CORE COURSES

ELECTIVE COURSES

Medical Assistant Foundations I*	1 ½ Credits
Medical Assistant Foundations II*	1 ½ Credits
Medical Assistant Services I*	1 ½ Credits
Medical Assistant Services II*	1 ½ Credits

29430 MEDICAL ASSISTANT FOUNDATIONS I* (MA101)

Prerequisites:

TUITION

1 ½ Credits

Medical Assistant Foundations I 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.

For Office Use Only. CIP: 51.0800.10

29431 MEDICAL ASSISTANT FOUNDATIONS II* (MA102)

Prerequisites: Medical Assistant Foundations I

TUITION

1 ½ Credits

Medical Assistant Foundations II 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. *For Office Use Only. CIP: 51.0800.10*

29432 MEDICAL ASSISTANT SERVICES I* (MA201)

Prerequisites: Completed first year of Medical Assistant Program

TUITION

1 ½ Credits

Medical Assisting Services I 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. *For Office Use Only. CIP: 51.0800.61*

29433 MEDICAL ASSISTANT SERVICES II* (MA202)

Prerequisites: Medical Assistant Services I

TUITION

1 ½ Credits

Medical Assisting Services II, the 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.

For Office Use Only. CIP: 51.0800.62

MEDIUM/HEAVY DIESEL TECHNOLOGY

The Medium/Heavy Diesel Technology program may include a summer work internship between the junior and senior years. Courses meet two and a half hours per day, Monday through Friday. This program is located at West-MEC Northeast Campus, 1617 W. Williams Drive, Phoenix, AZ 85027.

CORE COURSES

Diesel Engine Core Curriculum*	1 ½ Credits
Diesel Engine Maintenance*	1 ½ Credits
Diesel Electric/Electronic Systems*	1 ½ Credits
Diesel Adv. Technologies*	1 ½ Credits

29670 DIESEL ENGINE CORE CURRICULUM* (MHD101)

Prerequisites: Application required.
Junior status.

TUITION
1 ½ Credits

Diesel Engine Core Curriculum 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.

For Office Use Only. CIP: 47.0600.10

29671 DIESEL ENGINE MAINTENANCE* (MHD102)

Prerequisites: Must have completed the first year of Medium/Heavy Diesel Technology and the completion of a summer Internship between the Junior and Senior Year
Junior status.

TUITION
1 ½ Credits

Diesel Engine Maintenance 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. *For Office Use Only. CIP: 47.0600.40*

29672 DIESEL ELECTRIC/ ELECTRONIC SYSTEMS* (MHD201)

Prerequisites: Completed first year of Medium/Heavy Diesel Technology.
Senior status only.

TUITION
1 ½ Credits

Diesel Electric/Electronic Systems 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.

For Office Use Only. CIP: 47.0600.45

29673 DIESEL ADV. TECHNOLOGIES* (MHD202)

Prerequisites: Diesel Electric/
Electronic Systems
Senior status only

TUITION
1 ½ Credits

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. *For Office Use Only. CIP: 47.0600.45*

PHARMACY TECHNICIAN

The Pharmacy Technician program prepares students to deliver pharmacy services alongside licensed pharmacists within a pharmacy setting. This program may include an off-site shadowing experience and 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 Date Range and recalled items, operating cash register. Courses meet two and one-half hours per day, Monday through Friday. This program is located at the West-MEC Northeast Campus, 1617 W. Williams Dr., Phoenix, AZ 85027 and West-MEC Southwest Campus, 500 N. Verrado Way, Buckeye, AZ 85326.

CORE COURSES

ELECTIVE COURSES

29420 PHARMACY TECHNICIAN I* (PT101)

Prerequisites: Counselor & parent approval.

Junior status.

TUITION

1 ½ Credits

Pharmacy Technician I* 1½ Credits

Pharmacy Technician II* 1½ Credits

Pharmacy Technician I 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. *For Office Use Only. CIP: 51.0800.11*

29421 PHARMACY TECHNICIAN II* (PT102)

Prerequisites: Pharmacy Technician I

TUITION

1 ½ Credits

Pharmacy Technician II 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. *For Office Use Only. CIP: 51.0800.20*

PHYSICAL THERAPY TECHNICIAN

The Physical Therapy Technician program provides an integrated approach to teaching and learning as students develop interpersonal relations, career development skills and technical knowledge and skills associated with careers in this growing field. Students completing this program will be prepared to participate in teams, solve problems, think critically, and implement effective solutions. Courses meet two and a half hours per day, Monday through Friday. This program is located at West-MEC Northwest Campus, 13201 W. Grand Avenue, Surprise, AZ 85374.

CORE COURSES

ELECTIVE COURSES

29740 FUNDAMENTALS OF PHYSICAL THERAPY (PHY101)

Prerequisites: Counselor & parent approval.

Junior status.

TUITION

1 ½ Credits

Fundamentals of Physical Therapy* 1½ Credits

Physical Therapy and Rehabilitation Services* 1½ Credits

Fundamentals of Physical Therapy is the first course in the program and will teach students the basic knowledge and skills needed for Physical Therapy and Rehabilitation Services in a clinical, medical, or retail setting or to continue postsecondary education. *For Office Use Only. CIP: 51.0800.11*

29741 PHYSICAL THERAPY AND REHABILITATION SERVICES (PHY102)

Prerequisites: Fundamentals of Physical Therapy

TUITION

1 ½ Credits

Physical Therapy and Rehabilitation Services is the second course in the program and will enhance the students' knowledge and skills to continue their education in a clinical, medical, or retail setting or to continue to postsecondary education.

For Office Use Only. CIP: 51.0800.20

PLUMBING TRADE SPECIALTY

The Plumbing Trade Specialty program prepares trainees to enter the plumbing field. This course will cover the base fundamentals of the following: construction math, power & hand tools, basic rigging, material handling, communication skills, construction drawings, and employability skills. Students will also learn about plastic pipe, copper pipe, cast-iron pipe, carbon steel pipe, PEX, fittings, fixtures, drains, waste, vent, and water distribution systems, valves, water heaters, fuel gas and oil systems, structural penetrations, insulation, and firestopping. Courses meet two and a half hours per day, Monday through Friday. This program is located at West-MEC Northeast Campus, 1617 W. Williams Drive, Phoenix, AZ 85027.

CORE COURSES

ELECTIVE COURSES

Introduction to Plumbing*	1½ Credits
Intermediate Plumbing*	1½ Credits

29760 INTRODUCTION TO PLUMBING* (PLU101)

Prerequisites: Counselor & parent approval.

Junior status.

TUITION

1 ½ Credits

Introduction to Plumbing is the first in a series of two courses. Introduction to Plumbing is designed to help students develop an enhanced understanding of teamwork, employability skills, and career opportunities in the plumbing field. Introduction to Plumbing will cover the core curriculum of construction math, power & hand tools, basic rigging, material handling, communication skills, construction drawings, and employability skills. The course will provide an introduction to plumbing drawings, plastic pipe, copper pipe, cast-iron pipe, carbon steel pipe, PEX, fittings, fixtures, and DWV and water distribution systems.

For Office Use Only. CIP: 46.0503.10

29761 INTERMEDIATE PLUMBING* (PLU102)

Prerequisites: Introduction to Plumbing

TUITION

1 ½ Credits

Intermediate Plumbing is the second course in a series of two. This course prepares the individual to apply and demonstrate advanced technical knowledge and skills using a variety of techniques and equipment. Students will be trained on commercial drawings, testing DWV piping, installing drains, water supply piping, valves, water heaters, fuel gas and oil systems, structural penetrations, insulation, and firestopping. Students will also plan, design, and complete project-based activities.

For Office Use Only. CIP: 46.0503.20

PRECISION MACHINING PROGRAM

The Precision Machining Program prepares students for careers in the broad field of manufacturing as well as preparing students to move immediately into the Arizona Precision Machining Apprenticeship Program and higher education. The Precision Machining 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. Courses meet two and a half hours per day, Monday through Friday. This program is located at the West-MEC Central Campus, 6997 N. Glen Harbor Blvd., Glendale, AZ 85307.

CORE COURSES

ELECTIVE COURSES

Precision Manufacturing Foundations I*	1 ½ Credits
Precision Manufacturing Foundations II*	1 ½ Credits
Intermediate Precision Machining	1 ½ Credits
Advanced Precision Machining *	1 ½ Credits

29610 PRECISION MANUFACTURING FOUNDATIONS I* (PM101)

Prerequisites: Counselor & parent approval.

Junior status.

TUITION

1 ½ Credits

Precision Manufacturing Foundations I is the first course of the two-year Precision Machining program offered to high school juniors and seniors. This course provides students with a foundation in Precision Machining. Skills to be learned include industrial safety, statistical process and control, blueprint reading, computer aided drafting and material properties. *For Office Use Only. CIP: 48.0500.10*

29611 PRECISION MANUFACTURING FOUNDATIONS II* (PM102)

Prerequisites: Precision Manufacturing Foundations I

TUITION

1 ½ Credits

Precision Manufacturing Foundations II 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. *For Office Use Only. CIP: 48.0500.12*

PRECISION MACHINING PROGRAM

29612 INTERMEDIATE PRECISION MACHINING

Prerequisites: Precision Manufacturing Foundations II

TUITION

1 ½ Credits

Intermediate Precision Machining starts the second year of the two-year Precision Machining Program. During this course students will do extensive work with Precision Machining equipment. Skills to be gained during this course include machine processes, theory and application, basic machining, CNC programming and CNC mill operation. *For Office Use Only. CIP: 48.0500.30*

29613 ADVANCED PRECISION MACHINING

Prerequisites: Intermediate Precision Machining

TUITION

1 ½ Credits

The final course of the two-year Precision Machining program prepares students to exit into the Arizona Precision Machining 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. *For Office Use Only. CIP: 48.0500.30*

VETERINARY SCIENCES (ONE YEAR)

The Veterinary Science 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 four hours per day, Monday through Friday. This program is located at the West-MEC Northeast Campus, 1617 W. Williams Drive, Phoenix, AZ 85027.

CORE COURSES

ELECTIVE COURSES

Veterinary Sciences Foundation I & II*	2 ¾ Credits
Veterinary Assistant Services I & II*	2 ¾ Credits

29484 VETERINARY SCIENCES FOUNDATIONS I & II* (VS103)

Prerequisites:

TUITION

2 ¾ Credits

Veterinary Sciences Foundations I & II is the first course in a series of two. 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. The course will also 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. *For Office Use Only. CIP: 51.0808.10*

29485 VETERINARY ASSISTANT SERVICES I & II* (VS104)

Prerequisites: Veterinary Science Foundations I & II*

TUITION

2 ¾ Credits

Veterinary Assistant Services I & II is the final course in a series of two. 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. This course also includes rotation through all aspects of the Veterinary clinic (30 hours in 8 major departments), a final project and preparation for any certifications. *For Office Use Only. CIP: 51.0808.20*

VETERINARY SCIENCES (TWO YEARS)

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. This program is located at West-MEC Northeast Campus, 1617 W. Williams Drive, Phoenix, AZ 85027.

CORE COURSES

ELECTIVE COURSES

Veterinary Sciences Foundation I*	1 ½ Credits
Veterinary Sciences Foundations II*	1 ½ Credits
Veterinary Assistant Services I*	1 ½ Credits
Veterinary Assistant Services II*	1 ½ Credits

29486 VETERINARY SCIENCES FOUNDATIONS I* (VS101)

Prerequisites:

TUITION

1 ½ Credits

Veterinary Sciences Foundations I 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.

For Office Use Only. CIP: 51.0808.10

VETERINARY SCIENCES (TWO YEARS)

29487 VETERINARY SCIENCES FOUNDATIONS II* (VS102)

Prerequisites: Veterinary Sciences Foundations I

TUITION

1 ½ Credits

Veterinary Sciences Foundations II 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. *For Office Use Only. CIP: 51.0808.11*

29488 VETERINARY ASSISTANT SERVICES I* (VS201)

Prerequisites: Veterinary Science Foundations II*

TUITION

1 ½ Credits

Veterinary Assistant Services I 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. *For Office Use Only. CIP: 51.0808.20*

29489 VETERINARY ASSISTANT SERVICES II* (VS202)

Prerequisites: Veterinary Assistant I

TUITION

1 ½ Credits

Veterinary Assistant Services II 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. *For Office Use Only. CIP: 51.0808.75*

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. Courses meet two and a half hours per day, Monday through Friday. This program is located at WestMEC Central Campus, 6997 N. Glen Harbor Blvd., Glendale, AZ 85307 and West-MEC Southwest Campus, 500 N. Verrado Way, Buckeye, AZ 85326.

CORE COURSES

ELECTIVE COURSES

SMAW Plate Welding	1 ½ Credits
GMAW/FCAW and GTAW Plate Welding	1 ½ Credits
SMAW Pipe Welding	1 ½ Credits
GMAW/FCAW and SMAW Pipe Welding	1 ½ Credits

29604 SMAW PLATE WELDING (WT101)

Prerequisites:

TUITION

1 ½ Credits

SMAW Plate Welding 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. *For Office Use Only. CIP: 48.0508.10*

29605 GMAW/FCAW AND GTAW PLATE WELDING (WT102)

Prerequisites: SMAW Plate Welding

TUITION

1 ½ Credits

GMAW/FCAW and GTAW Plate Welding 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. *For Office Use Only. CIP: 48.0508.10*

29606 SMAW PIPE WELDING (WT201)

Prerequisites: GMAW/FCAW and GTAW Pipe Welding

TUITION

1 ½ Credits

SMAW Pipe Welding 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. *For Office Use Only. CIP: 48.0508.20*

29607 GMAW/FCAW AND GTAW PIPE WELDING (WT202)

Prerequisites: SMAW Pipe Welding

TUITION

1 ½ Credits

GMAW/FCAW and GTAW Pipe Welding 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. *For Office Use Only. CIP: 48.0508.20*

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