

Career & Technical Education	Electives	ELL	course catalog
English	JROTC	Magnet	
Mathematics	Performing Arts	Physical Education / Health	
Reading	Science	Social Studies	
Virtual Learning	Visual Arts	World Languages	
21-22			

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Title IX Coordinator
Mr. Juvenal Lopez, Talent Exec. Director
4502 N. Central Ave.
Phoenix, AZ 85012
602-764-1539
talent@phoenixunion.org

Section 504 Coordinator
ESS Director
4502 N. Central Ave.
Phoenix, AZ 85012
602-764-1025
PXU504Coordinator@phoenixunion.org

For further information on notice of non-discrimination, visit <https://www.azag.gov/civil-rights>.

Phoenix Union High School District no discrimina en base a la raza, el color, la religión, el origen nacional, el sexo, la discapacidad, la edad, orientación sexual, identidad de género, expresión de género o estatus migratorio para la admisión y acceso a sus programas, servicios, actividades, o en cualquier aspecto administrativo, y proporciona un acceso igualitario a los Boys Scouts y otros grupos de jóvenes designados. La falta del conocimiento del idioma inglés no deberá ser una barrera para la admisión o participación en cualquiera de las actividades o los programas del Distrito. Phoenix Union High School District tampoco discrimina en sus prácticas de empleo y contratación. Los siguientes empleados han sido designados para manejar las preguntas sobre las pólizas contra la discriminación:

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Phoenix Union High School District #210

Student Fee Schedule

CLASS TITLE

FEE

District Wide Courses:

Fee Per Semester

American Sign Language 3-4 Honors Dual Enrollment	\$20.00
CTE Architectural Drafting 1-4	\$10.00
CTE Auto Technology 1-6	\$20.00
CTE Construction Technologies 1-4	\$20.00
CTE Culinary Arts 1-4	\$10.00
CTE Early Childhood Education 1-4	\$10.00
CTE Fashion Design & Merchandising 1-4	\$5.00
Physical Education *Uniform	\$15.00
CTE Technical Theatre 1-4	\$10.00

CTE Programs:

2 Year Program One Time Fee

CTE Computer Maintenance & Cyber Security 1-4	\$25.00
CTE Cosmetology 1-4 *Kit, Uniform, Certification *Kit	\$590.00
CTE Culinary Arts Metro Tech 1-4 *Food Handlers Card/Uniform	\$75.00
CTE Fire Science 1-4 Program *Uniform	\$120.00
Franklin New Student *Uniform Fee (9 th & 10 th)	\$120.00
CTE Law Enforcement 1-4 Program *Uniform	\$120.00
CTE Network Technologies & Cyber Security 1-4	\$25.00
CTE Nursing Assistant 1-4 *Uniform	\$50.00
CTE Pharmacy Support Services 1-4 *Uniform	\$50.00

CTE Programs:

Annual Fee

CTE Auto Collision 1-4	\$20.00
CTE Fire Science 1-4 Program Fee	\$40.00
CTE Law Enforcement 1-4 Program Fee	\$40.00
CTE Welding Technology 1-4	\$6.00

Performing Arts:

Fee Per Semester

Band (All Levels)	\$10.00
Choir (All Levels)	\$10.00
Dance (All Levels)	\$10.00
Acting (All Levels)	\$10.00
Technical Theatre (All Levels)	\$10.00
Guitar (All Levels)	\$10.00
Jazz Ensemble (All Levels)	\$10.00
Orchestra (All Levels)	\$10.00
Piano (All Levels)	\$10.00
Music Technology (All Levels)	\$10.00
Contemporary Music (All Levels)	\$10.00
Percussion Ensemble (All Levels)	\$10.00
Non-Traditional Ensembles (All Levels)	\$10.00
Performing Arts – Independent Study	\$10.00
The Greater Phoenix Choral Festival	\$20.00

Visual Arts:

Fee Per Semester

Art IB (All Levels/Courses)	\$30.00
AP Art (All Courses)	\$30.00
Explorations in Art (All Levels)	\$20.00
Art Independent Study (All Levels)	\$30.00
Ceramics (All Levels)	\$20.00
Design, Fashion, Advertising	\$10.00
Drawing and Painting (All Levels)	\$20.00
Photography (All Levels/Courses)	\$20.00
Scaled Model Making	\$20.00

Other:

Replacement If Lost

ID Badge (Includes pouch and lanyard)	\$2.00
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GENERAL INFORMATION AND SPECIAL PROGRAM REQUIREMENTS

REQUIREMENTS FOR GRADUATION

	PXU Graduation Requirements	Entrance Requirements for Arizona Universities
English	4.0	4.0
Social Studies	3.0	2.0
Mathematics	4.0	4.0
Laboratory Science	3.0	
Health Education ¹	0.5	
Fine Arts ²		
or	1.0	1.0
Career and Technical Education ³		
World Languages		2.0
Electives	6.5	
TOTAL	22.0	
	Credits***	Credits***

Notes:

1. Students may receive a waiver for meeting the Health course requirement of graduation after passing the entire year of Health Careers 1-2 – Nursing Assistant or after passing the Junior Reserve Officer Training Corps (JROTC) Introduction to Leadership Education & Training first year (LET 1) and Intermediate Leadership Education & Training second year (LET 2).
2. Visual and Performing Arts courses are offered in the following areas: Art, Dance, Theatre Arts and Music.
3. Career & Technical Education courses are offered in the Career & Technical Education areas: Business / Technology Education, Family and Consumer Sciences and Industrial Technology Education.

*Please refer to page A4 for a more detailed explanation of specific entrance requirements.

GRADUATION REQUIREMENTS FOR DROP-BACK SENIORS

For specific requirements, please contact the Phoenix Union High School District Curriculum Division.

EDUCATIONAL PROGRAMS

The Phoenix Union High School District wishes to inform students, parents, employees and the general public that it provides an equal opportunity educational program. All courses, services and activities are offered in accordance with E.E.O.-A.A.P. compliance.

ATTENDANCE ZONE REGULATIONS

Open enrollment allows a student to enroll in any school regardless of that student's school or district attendance zone. Specialty schools and programs may have additional requirements.

The attendance areas of the District will be established by the Board. Students will attend school in the attendance areas in which their respective residences are located. Exceptions to this policy may be made for open enrollment, special placements based on Individualized Educational Programs, desegregation order compliance, disciplinary actions, available curricula and in the case of homeless students, continued attendance in their school of origin.

Magnet school transfers can only take place during the first two weeks of any school year. However, students may make application for transfer for any subsequent school year at any time. New residents to the district must make any transfer requests within 10 days of the first day of attendance at a district school. **ALL REQUESTS FOR TRANSFERS MUST BE FILED WITH THE PRINCIPAL OF THE SCHOOL THE STUDENT IS CURRENTLY ATTENDING.** Forms are available in the school's registration office. Questions regarding residency or tuition should be referred to the Specialist for Attendance and Residence at (602) 764-1219. Questions regarding athletic eligibility should be referred to the Director of Athletics at (602) 764-1222. Special circumstance transfers require the approval of both the sending and receiving schools.

PLANNING A FOUR YEAR PROGRAM: XELLO

An ECAP (Education and Career Action Plan) reflects a student's current plan of coursework, career aspirations, and extended learning opportunities in order to develop the student's academic and career goals. The ECAP is developed with the involvement of students, parents and school personnel working together to guide the student in his/her choices and educational experiences. The ECAP should be revisited and updated on a yearly basis throughout high school and the postsecondary years.

REGISTRATION

Registration of current 8th grade students for entrance into 9th grade next year will occur during the spring of the current year. Tenth grade, eleventh grade and twelfth grade students will register during the spring. Actual registration procedures will be explained by the counselors at each high school or partner district. All questions about specific course offerings and graduation requirements should be directed to the counselors or the Assistant Principal for Registration at each school.

COURSE LOAD / CREDITS

1. All students are registered for a full schedule of classes, to taking at least 6 credits per school year. Exceptions are granted only by the written permission of the school administration or the student's parent/guardian, the IEP, or fifth-year status.
2. Credit earned within the Phoenix Union High School District will be granted for (a) successful completion of a course which meets a minimum of 55 minutes daily, five days a week, for at least 18 weeks or equivalent amount of time within the school year; (b) successful completion of the competency option for a particular course or courses (See your counselor for more specific details); (c) successful completion of a Directed Studies class.
3. Course work taken in summer school, night school and approved correspondence programs may be applied toward graduation upon approval of the student's counselor and principal. No more than four correspondence credits will be counted toward graduation and of those no more than one credit may be counted in each discipline (e.g., English, math, etc.).
4. Enrollment as a Student Assistant: A maximum of two units of credit may be earned for Student Assistant. However, no more than 1/2 unit of credit may be earned during any One-semester enrollment in Student Assistant.
5. Enrollment in Physical Education: Students will be permitted to register for a maximum of two physical education classes per day (inclusive of Health Education).

PLACEMENT IN COURSES

The District has selected some tests which are used for initial placement of new students into particular courses. The placement guidelines are used in conjunction with factors such as parental preference, student past performance/motivation, teacher recommendation, etc.

Upperclassmen are placed in classes according to the previous course taken, the grades earned, and their program of studies. Ninth graders are placed on the basis of 8th grade placement tests and teacher recommendations.

More intensive assessment assists the placement of students in specialized programs such as English Language Development, hearing lab, basic strand classes, vision lab and practical courses.

PLACEMENT: ENGLISH LEARNERS (EL)

PXU implements research-based Structured English Immersion (SEI) program models to provide English Language Development (ELD) instruction for English Learners (EL). ELD instruction includes both high-quality integrated ELD and targeted ELD. English Learner (EL) students are placed in SEI program models based on assessment of English language proficiency according to state statute.

PLACEMENT: SPANISH

All students enrolling in a first-year Spanish or Spanish for Spanish Speakers (SSS) course will be given a Placement Test to determine the appropriate level/course for World Languages placement in Spanish.

PLACEMENT: SPECIAL EDUCATION

Students who have been determined to be eligible for special education and related services, which must include the need for specially designed instruction, may be enrolled in general education courses with supplementary aids and services. Based upon the IEP team's recommendation, students may also be placed in classes exclusively for students with disabilities. The IEP specifies the level of special education service to be provided as well as the type of setting that is needed by the student (examples include, but are not limited to: inclusion, inclusion with modifications, and self-contained). Enrollment in certain classes is restricted to students with disabilities. More information about the various options for special education classes will be made available to students with disabilities when discussing scheduling options.

PLACEMENT: GIFTED

Gifted students are capable of exceptionally high performance or achievement in general intellectual ability, specific intellectual/academic ability, creative thinking ability, psychosocial/leadership ability, visual or performing arts ability, or psychomotor ability. Students who score at the 88th percentile or higher on nationally normed tests, (such as the Stanford-9), are referred to their school's Gifted Facilitator for testing. Students who are successful on one of the State of Arizona approved gifted assessments scoring at the 97th percentile are eligible for gifted student services. Visual and performing arts students may be identified as gifted/talented through performance recitals and/or teacher recommendation. Services for gifted identified students are mandated by the State of Arizona. PXU provides the following services for gifted students: Honors (H) and Advanced Placement (AP) courses, dual high school/college credit, accelerated high school placement, a Seminar for Honors Students, summer enrichment activities, field trips and special projects.

PLACEMENT: HONORS (H) / ADVANCED PLACEMENT (AP)

HONORS (H) – Identified gifted students and other high-achieving students are eligible to enroll in Honors courses available in subject areas such as English, mathematics, science, social studies and foreign language. Only students earning grades of A, B or C will earn Honors credit which allows for an additional weight on a student's GPA.

While there is no minimum test score required for placement in Honors courses, it is highly recommended that students achieving a minimum score at the 88th percentile or above on a standardized test be enrolled in Honors courses. Parent request and counselor and teacher recommendations should be key factors in placement.

ADVANCED PLACEMENT (AP) – Through college-level AP courses, and related AP exams, you have the opportunity to earn credit or advanced standing at most of the nation's colleges and universities. AP offers something for everyone and the only requirements are a strong curiosity about the subject you plan to study and the willingness to work hard. Advanced Placement courses are in the disciplines of English, mathematics, science, social studies, art and foreign languages. Students enrolled in an AP class are required to take the AP examination. Financial assistance is available for the cost of the exam. Here are just a few reasons to sign up for an AP class today:

GAIN THE EDGE IN COLLEGE PREPARATION

- Get a head start on college-level work.
- Improve your writing skills and sharpen your problem-solving techniques.
- Develop the study habits necessary for tackling rigorous course work.

STAND OUT IN THE COLLEGE ADMISSIONS PROCESS

- Demonstrate your maturity and readiness for college.
- Show your willingness to push yourself to the limit.
- Emphasize your commitment to academic excellence.

BROADEN YOUR INTELLECTUAL HORIZONS

- Explore the world from a variety of perspectives, most importantly your own.
- Study subjects in greater depth and detail.
- Assume the responsibility of reasoning, analyzing, and understanding for yourself.

HOW DO YOU ENROLL?

Once you've decided to take the AP challenge, it's easy to enroll. Talk to an AP teacher or the AP Coordinator at your school about the course you want to take. Discuss the workload and any preparation you might need with your counselor.

PLACEMENT: DUAL ENROLLMENT

Students may receive both high school and community college or university credit while enrolled in PXU high school courses that are approved to offer dual enrollment credit. All courses are taught by PXU teachers who are community college or university certified. Some dual enrolled courses require that students take and pass a placement test prior to enrolling. Tuition fee payments will be made directly to the community college or university. In-state enrollees may pay a much lower tuition rate. In some cases, tuition may be 100 percent waived. Students must be enrolled in both the high school course and the college or university course to earn credit.

PLACEMENT: CONCURRENT ENROLLMENT

Students who are enrolled in high school may also take community college or university courses at the college campus outside of high school class time for college credit. High school credit may also be awarded. Prior approval by the Curriculum Director or designee is required for each concurrent course.

MAGNET PROGRAMS IN THE PHOENIX UNION HIGH SCHOOL DISTRICT

The Phoenix Union High School District offers ten magnet programs and one magnet high school. A magnet program provides a special curriculum which is designed to provide both specialized and advanced preparation to students with special needs or ambitions. Each of the magnet programs and the magnet high school listed below offer all honors and advanced placement courses common to other Arizona secondary schools and a full co-curricular program which includes student government, athletics and activity clubs.

- A. The Center for Medical Arts & Health Studies** at Alhambra High School is designed for students interested in preparing for careers in medical or health fields. There are two major strands: Sports Medicine and Medical Research. Students enroll in "Introduction to Medical Arts" their first year and choose a strand for their remaining three years. Students are encouraged to take advanced science and math courses in conjunction with the Magnet curriculum. Sports Medicine students work with Alhambra sport teams in the treatment and prevention of sports injuries. Students can earn a Nursing Assistant License. This program works with local Health Systems in a close partnership to provide opportunities for our students to observe medical professionals at work in various health facilities and complete clinical experiences as nursing assistants.
- B. The Center for Computer Studies** at Carl Hayden Community High School features a variety of computer courses, most of which are not available at any other district school. Computer facilities and equipment provide business and science applications which are augmented by a strong academic curriculum in both fundamental and advanced computer language and theory.
- C. The Center for Marine Science** at Carl Hayden Community High School. Through hands-on activities, field trips and original research projects, the Center for Marine Science will equip students with the information, skills and personal experiences necessary to deal with the complex environmental issues facing mankind today. This educational program will enable students to make intelligent decisions about the environment and discover possible solutions for its wise use, restoration and conservation.
- D. The Center for Global Studies** at Central High School gives students in the Phoenix Union High School District the opportunity to study foreign relations, international trade and finance, cultural anthropology and four years of either Chinese, Japanese, Latin, Spanish, or French. Those students who enter as 9th graders and complete three years of the program prior to their twelfth grade year will be involved in research that may provide the opportunity for travel outside the United States.

During the 11th grade year, magnet students are eligible to apply for travel to Hermosillo, Sonora, Mexico, to participate in a five-day community service project. Students are hosted by Central's sister school and spend two days working in an elementary school. Students also host the Mexican students in Phoenix during the spring semester. During the twelfth grade year, magnet students, through student fund-raising and donations, may participate in travel to the country of the language studied as part of an ongoing student exchange program. Magnet students host students from these countries. Selected twelfth grade students travel to Mexico to participate in a community service project.

The International Studies program is designed for students with an interest in foreign language, cultures and customs of foreign nations and economic, political and diplomatic relations among countries.

- E. Metro Tech High School**, a Magnet high school, combines all the necessary academic courses for graduation and post secondary education with a wide variety of Career & Technical Education (CTE) programs. Critical thinking, communication, information processing, collaboration and work habits are emphasized and assessed in every course at Metro Tech. Regular and honors courses needed to complete the program are offered with many of the course offerings integrated and jointly instructed. Metro Tech graduates will acquire the skills needed to be successful for post-secondary and the world of work.
- F. The International Baccalaureate** at North High School and Betty H. Fairfax High School offers the serious, college-bound student an opportunity to earn a special high school diploma that virtually assures success in any college endeavor. The program demands a

high level of proficiency in all academic areas and requires a minimum of four years of one foreign language. Challenging classes that meet IB standards assure students the opportunity to achieve at levels set by and tested by, the International Baccalaureate organization based in Geneva, Switzerland.

- G. The Center for Aviation/Aerospace Education** at South Mountain High School. Students enrolling in Aviation/Aerospace will gain exposure to a variety of careers in the aviation field. They will experience aircraft engineering and design in the Aerospace Technical Lab. They will learn about the repair and maintenance of aircraft in Aircraft Maintenance Technology. In Air Traffic Control, students will learn how to control air traffic. In Ground and Flight School, they will work toward earning their FAA private pilot certificate in a single engine aircraft.
- H. The Center for Multimedia Communications** at South Mountain High School offers students access to state-of-the art equipment in the study of television, radio, print and web-design production, as well as the opportunity to explore multi-media journalism methods essential to success in today's technology-driven world.
- I. The Center for Law-Related Studies** at South Mountain High School. This program offers the student a chance to explore career opportunities in law and law-related fields and occupations through course work and involvement with the various legal professions in the community.
- J. The Center for Visual Arts** at South Mountain High School. The Center for Visual Arts offers students a four-year sequenced program of study in a wide variety of art disciplines. Students are encouraged to develop their own personal styles in ceramics, computer art, drawing/painting, jewelry and fiber arts, photography or sculpture using various media techniques and processes. Students are given many opportunities to exhibit their work, to participate in field trips and to interact with local and national professional artists.
- K. The Center for Performing Arts** at South Mountain High School. Students enrolled in the Center for the Performing Arts bring with them commitment, desire and determination, key ingredients needed whether they choose to pursue dance, theater or music. Unparalleled learning situations are provided through the use of state of the art equipment, nationally and internationally recognized artists as guest teachers, field trips and community performances.

The magnet programs are available to all Phoenix Union High School District students with applications processed on a first-come, first-served basis. It is possible that there will be a waiting period; however, as the Phoenix Union High School District is committed to transfer policies which improve ethnic balances in all schools, timeliness of the application is extremely important.

District resident students taking advantage of the magnet offerings and not residing in the magnet school attendance zone will be provided free transportation and textbooks.

Counselors at each campus have complete information on specific course offerings and can advise students of application procedures.

For further Magnet Program information, call (602) 764-1312.

CAREER & TECHNICAL EDUCATION PROGRAMS

The Phoenix Union High School District offers its students Career & Technical Education courses in the following areas: Business Education, Family and Consumer Sciences, Industrial Technology Education, Health Service Occupations, Law Enforcement, Fire Services, Education Professions, and Cosmetology.

Students who participate in programs offering community college dual enrollment with community college programs may be granted advanced standing credit at their community college.

All Career & Technical Education programs offer students the opportunity to participate with national and state recognized Career and Technical Student Organizations (CTSOs) and experience an on-the-job internship. For further information, contact the CTE office at (602) 764-1305 or visit the CTE website at www.phoenixunion.org/cte.

ACT

What is ACT?

The ACT® test motivates students to perform to their best ability. Test scores reflect what students have learned throughout high school and provide colleges and universities with excellent information for recruiting, advising, placement, and retention.

Many times, students who are not considering higher education rethink their plans when they see their ACT test results. This is especially true for underrepresented students. To support college and career planning, the ACT also offers a career exploration component to help students identify career options.

What does the ACT® measure?

The ACT contains four multiple-choice tests—English, mathematics, reading, and science. These tests are designed to measure skills that are most important for success in postsecondary education and that are acquired in secondary education. The score range for each of the four multiple-choice tests is 1–36. The Composite score is the average of the four test scores rounded to the nearest whole number.

What does it mean for students and schools?

ACT® results will serve as an effective tool to support student learning. Results will inform teachers and counselors of areas of strength and weakness as well as help to keep students on track for college and career readiness.

A passing score on ACT® is not a graduation requirement. Instead, students are expected to participate in the ACT® exam as a component of the classes they are currently taking.

CIVICS EXAM

What is the Civic Exam?

The Civics Exam is a state-mandated test required by law with the passage of American Civics Act by the Arizona State Legislator in January of 2015. Beginning in the 2016-2017 school year a requirement that, in order to graduate from high school or obtain a high school equivalency diploma, a student must correctly answer at least sixty of the one hundred questions listed on a test that is identical to the civics portion of the naturalization text used by the United States citizenship and immigration services.

Who has to take the Civics Exam?

Beginning with the graduating cohort of 2017, all students are required to take the Civics Exam as a competency requirement for Social Studies. Students receiving special education services must take the exam but are exempt from obtaining a passing score unless required by IEP.

How will Phoenix Union School Administer the Exam?

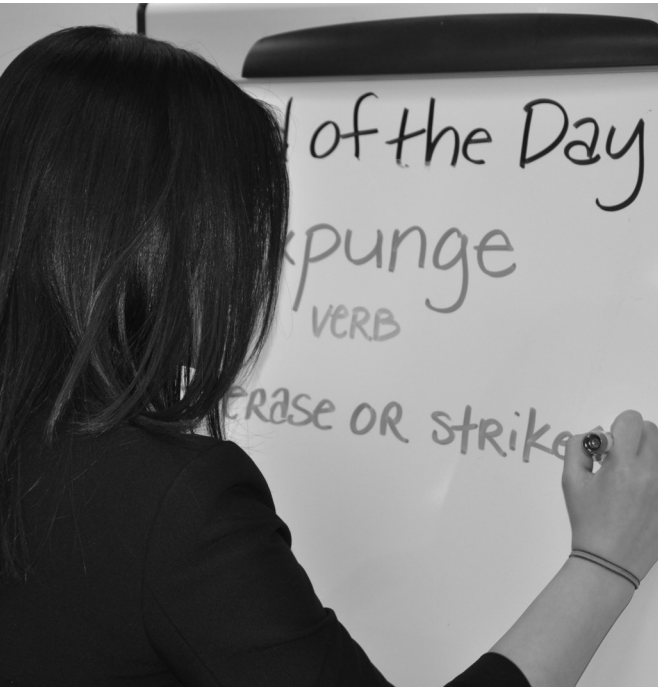
Phoenix Union is committed to ensuring all students will successfully complete the Civics graduation requirement. Students will be provided with multiple opportunities to take the exam as well as targeted instruction, support and intervention. All 11th grade students, 12th grade students still in need of a passing exam score and any students enrolled in US/AZ History (or equivalent) will take the exam during the fall semester. For those students that do not achieve a passing grade of 60 or above, support, interventions and a retake opportunities will take place throughout the school year. Each attempt the student makes will be documented and recorded in our student information system.

Where will the Results be Documented?

Students will receive a pass/fail determination on their transcript and will serve as the official documentation of the graduation requirement. Specific scores will be house in the district assessment management system.

DISTRICT-WIDE OFFERINGS

The following courses may be offered on any of the PXU campuses. They are offered according to student need. Not all courses are available every semester on every campus. For more detailed information on course content, check with your school counselor or department chair in that subject area.



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CAREER & TECHNICAL EDUCATION (CTE) PROGRAM

The Phoenix Union High School District offers its students state approved Career & Technical Education courses in the following occupational areas: Business & Marketing, Family & Consumer Sciences (FACS), Health Careers, and Industrial & Technical Education (ITE).

Career & Technical Education programs offer one, two, and three-year programs of study. With the completion of a program, students may be eligible for career-related certificates and/or licenses.

Many CTE Programs offer dual enrollment with local community colleges, and students who participate may be granted advanced standing credit at their community college. Students should check with their counselors to determine if dual enrollment credits are offered in a program of interest.

All Career & Technical Education programs offer students the opportunity to participate with national and state recognized Career and Technical Student Organizations (CTSOs). For further information, contact your counselor.

The following programs are offered at campuses throughout the Phoenix Union High School District. Additional program offerings are listed under the Franklin and Metro Tech sections of this course catalog.

DISTRICTWIDE CTE PROGRAM OFFERINGS		
(course descriptions begin on page C3)		
AUDIO & VISUAL SERVICES	BUSINESS SERVICES	• HEALTH SERVICES
- Digital Film Making - Digital Journalism - Multimedia Communications: Video Broadcasting - Multimedia Communications: Music and Audio Production - Graphic Design	- Accounting - Business Management - Business Operations - Entrepreneurship - Financial Services - Floral Design & Business Operations* - Hospitality Management - Marketing - Sports & Entertainment Marketing	- Biotechnology - Nursing Assistant - Pharmacy Support Services - Sports Medicine & Rehabilitation Services
• HUMAN SERVICES	INDUSTRIAL SERVICES	IT/STEM SERVICES
- Cosmetology - Culinary Arts - Early Childhood Education - Fashion & Design Merchandising - Firefighting & EMS - Mental & Health Services - Law & Public Safety	- Architectural Drafting/Design - Automotive Collision Repair - Construction Technology - Electrical Wiring - Technical Theatre - Welding	- Automation/Robotics Engineering - Computer Maintenance & Cyber Security - Engineering Sciences - Network Security - Software & App Design

FRANKLIN CTE PROGRAM OFFERINGS

(course descriptions begin on page C84)

INDUSTRIAL TECHNOLOGY EDUCATION

- Law Enforcement
- Fire Fighting

CTE FRESHMAN LEVEL PROGRAM

CTE offers a class designed exclusively for freshman as part of the Business, Family and Consumer Sciences (FACS); and Industrial Technology Education (ITE) programs. Students will explore a multitude of careers and career pathways which will be especially beneficial as they begin developing their Education and Career Action Plan (ECAP). (Further information on ECAP begins on page A6).

CAREER & TECHNICAL EDUCATION

CAREER AND TECHNOLOGY EXPLORATION

Students in this course will explore a variety of occupational areas in relation to their skills, strengths, weaknesses, and potential fit for a particular career. This exploration will be completed using Xello to develop an Education Career Action Plan (ECAP). In addition, the students will receive Internet Safety Training and Technology Literacy training. Students will utilize technology-based research tools to locate and collect information. All students must provide parental/guardian approval for Internet use.

CAREER AND TECHNOLOGY EXPLORATION 1

6098000

One-semester course, grade level 9

Prerequisite: None

Does not meet PXU CTE graduation requirements.

CTE LAB

CTE Lab: will provide more instruction time using a hands-on approach for the CTE programs. Students will have the opportunity to continue their CTE program with this specialized training course. The curriculum for this course follows the Career & Technical Education program Technical Standards and AZ Professional Skills and will consist of students getting hands-on experience. Students will be placed in CTE lab 1-2, 3-4 according to CTE program lab needs.

CTE LAB 1-2

2200650-2200660

CTE LAB 3-4

2200670-2200680

AUDIO & VISUAL SERVICES

DIGITAL FILM MAKING

The Digital Film Making instructional program prepares students to produce digital films and videos (including news broadcasts, commercials and public service announcements, feature films and documentaries, episodic serials, music videos, educational videos, and others) and to work in a variety of on- and off-camera positions within traditional and emerging video production industries. Students also develop leadership, social, civic, and career skills through their participation in the state-recognized Career and Technical Student Organization Skills USA or FBLA (Future Business Leaders of America). The Digital Film Making instructional program prepares students for entry-level employment, further training, and/or post-secondary education.

DIGITAL FILM MAKING 1-2

6211000

Two-semester course

Prerequisite: Career & Technology Exploration 1 recommended

DIGITAL FILM MAKING 3-4

6213000

Two-semester course

Prerequisite: Successful Completion of Digital Film Making 1-2

DIGITAL FILM MAKING INTERNSHIP

This course is a coordinated work-based learning program which provides students authentic work experience in the Digital Film Making environment. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Digital Film making program classes. This paid or unpaid internship helps the students practice and improve employability skills in the Digital Film Making environment. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

DIGITAL FILM MAKING INTERNSHIP 1-2

1000410-1000420

Two-semester course, grade level 12 Prerequisite: Successful completion of Digital Film Making 1-2 and 3-4, or concurrent enrollment in Digital Film Making 3-4. Must be 16 years of age.

DIGITAL JOURNALISM

The Digital Journalism instructional program prepares students to produce digital films and videos (including news broadcasts, commercials and public service announcements, feature films and documentaries, episodic serials, music videos, educational videos, and others) and to work in a variety of on- and off-camera positions within traditional and emerging video production industries. Students also develop leadership, social, civic, and career skills through their participation in the state-recognized Career and Technical Student Organization Skills USA or FBLA (Future Business Leaders of America). The Digital Journalism instructional program prepares students for entry-level employment, further training, and/or post-secondary education.

DIGITAL JOURNALISM 1-2

1100070-110080

Two-semester course, grade level 9, 10, 11

Prerequisite: Career & Technology Exploration 1 recommended

DIGITAL JOURNALISM 3-4

1100090-1100100

Two-semester course, grade level 10, 11, 12

Prerequisite: Successful Completion of Digital Journalism 1-2

MULTIMEDIA COMMUNICATIONS:

VIDEO BROADCASTING

The Video Broadcasting instructional program prepares students to produce digital films and videos (including news broadcasts, commercials and public service announcements, feature films and documentaries, episodic serials, music videos, educational videos, and others) and to work in a variety of on- and off-camera positions within traditional and emerging video production industries. Students also develop leadership, social, civic, and career skills through their participation in the state-recognized Career and Technical Student Organization Skills USA or FBLA (Future Business Leaders of America). The Video Broadcasting instructional program prepares students for entry-level employment, further training, and/or post-secondary education.

VIDEO BROADCAST JOURNALISM 1-2 **6802000-6803000**

Two-semester course, grade level 9, 10, 11
Prerequisite: Career and Technology Exploration 1 preferred

VIDEO BROADCAST JOURNALISM 3-4 **6804000-6805000**

Two-semester course, grade 10, 11, 12
Prerequisite: Successful completion of Video Broadcast Journalism 1-2

MULTIMEDIA COMMUNICATIONS: **MUSIC AND AUDIO PRODUCTION**

The Music and Audio Production instructional program prepares students to apply technical knowledge and skills to the production of sound recordings as either finished products or as components of traditional or emerging music productions, film and video productions, live sound productions, broadcasts, video game productions, or mixed media productions. Music and Audio Production students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organization, SkillsUSA. The Music and Audio Production instructional program prepares students for entry-level employment, further training, and/or post-secondary education.

MULTIMEDIA COMMUNICATIONS: MUSIC AND AUDIO **PRODUCTION 1-2** **1100310-1100320**

Two-semester course, grade level 9, 10, 11
Prerequisite: Career and Technology Exploration 1 recommended

MULTIMEDIA COMMUNICATIONS: MUSIC AND AUDIO **PRODUCTION 3-4** **1100330-1100340**

Two-semester course, grade level 10, 11, 12
Prerequisite: Successful completion of Music and Audio Production 1-2

MULTIMEDIA COMMUNICATIONS INTERNSHIP

This course is a coordinated work-based learning program, which provides students authentic work experience in the Multimedia Communications environment. This course allows the student to participate in a structured work environment off-campus and involves the application of technical skills gained in earlier Multimedia Communications Program classes. This paid or unpaid internship helps the students to practice and improve employability skills in the Multimedia Communications environment. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

MULTIMEDIA COMMUNICATIONS INTERNSHIP 1-2 **1100290-1100300**

Two-semester course, grade level 12
Prerequisite: Successful completion of Music and Audio Production 1-2 and 3-4 or concurrent enrollment in Music and Audio Production 3-4.
Must be at least 16 year of age.

GRAPHIC DESIGN

The Graphic Design instructional program prepares students to use technical expertise, creativity, and esthetic principles to design and create visual concepts that meet specific commercial or promotional needs, as well as inspire, inform, and captivate consumers. Students who successfully complete the Graphic Design program's coherent sequence of instruction will develop an in-depth understanding of the operation and maintenance of specialized computer hardware and design-related technology tools; the principles and elements of design; digital imaging; typographical concepts and techniques; page layout and design; and the role of the graphic designer. Graphic Design students will explore the history and societal and economic impact of the graphic design industry and will examine legal and ethical considerations and business best practices unique to graphic design and related industries. Throughout the Graphic Design instructional program, students learn and practice valuable real-world skills using industry standard graphic design software to create professional-grade design projects. Graphic Design students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA or FBLA (Future Business Leaders of America).

GRAPHIC DESIGN 1-2 **1100130-1100140**

Two-semester course, grade level 9, 10, 11
Prerequisite: Career and Technology Exploration 1 recommended

GRAPHIC DESIGN 3-4 **1100150-1100160**

Two-semester course, grade 10, 11, 12
Prerequisite: Successful completion of Graphic Design 1-2

GRAPHIC DESIGN INTERNSHIP

This course is a coordinated work-based learning program, which provides students authentic work experience in the Graphic Design environment. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Graphic Design Program classes. This paid or unpaid internship helps the students to practice and improve employability skills in the Graphic Design environment. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

GRAPHIC DESIGN INTERNSHIP 1 **100270-1100280**

Two-semester course, grade level 12
Prerequisite: Successful completion of Graphic Design 1-2 & 3-4, or concurrent enrollment in Graphic Design 3-4. Must be 16 years of age.

BUSINESS SERVICES

ACCOUNTING

The Accounting instructional program prepares students to practice the profession of accounting and to perform related business functions. Students who successfully complete the Accounting program's coherent sequence of instruction will develop an in-depth understanding of basic business, economic, and financial management practices. The Accounting program includes instruction in accounting principles and theory, financial accounting, managerial accounting, cost accounting, budget control, legal aspects of accounting, reporting procedures, statement analysis, and professional standards and ethics in accounting. Throughout the Accounting instructional program, students learn and practice valuable real-world skills using industry standard spreadsheet and/or accounting software to manage financial information. Students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organization, FBLA (Future Business Leaders of America). The Accounting instructional program prepares students for entry-level employment, further training, and/or post-secondary education.

ACCOUNTING 1-2

4101000-4102000

Two-semester course, grade level 9, 10, 11

Prerequisite: Career and Technology Exploration recommended

ACCOUNTING 3-4

4103000-4104000

Two-semester course, grade level 10, 11, 12

Prerequisite: Successful completion of Accounting 1-2

MATHEMATICAL APPLICATIONS IN ACCOUNTING

This course is aligned with the Arizona Mathematics Standards and fulfills the fourth mathematics credit needed for graduation. This course provides students with instruction on how mathematical analysis can be used in the final course of the Accounting program. Students develop, demonstrate, and communicate mathematical concepts that relate to algebraic functions, probability, statistics, and their applications. Topics include an introduction to accounting, accounting information systems, time value of money, and accounting for merchandising firms, sales, and receivables, fixed assets, debt, and equity. Students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organization, FBLA (Future Business Leaders of America). The Accounting instructional program prepares students for entry-level employment, further training, and/or post-secondary education.

MATHEMATICAL APPLICATIONS IN ACCOUNTING 3-4

0200090-0200100

Two-semester course, grade level 12

Prerequisite: Passing grade in Algebra 3-4 or Algebra 3-4 H or equivalent or Instructor recommendation. Successful completion of Accounting 1-2.

ACCOUNTING INTERNSHIP

This course is a coordinated work-based learning program that provides students authentic work experience in Accounting. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Accounting Program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the accounting industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

ACCOUNTING INTERNSHIP 1-2

4107000-4108000

Two-semester course, grade level 12

Prerequisite: Successful completion of Accounting 1-2 & 3-4 or concurrent enrollment in Accounting 3-4. Must be at least 16 years of age.

BUSINESS MANAGEMENT

The Business Management instructional program prepares students to plan, organize, direct, and control the functions and processes of a firm or organization. Students who successfully complete the Business Management program's coherent sequence of instruction will develop an in-depth understanding of the business and financial management practices needed for large and small enterprises. The Business Management program includes instruction in management theory, project management, human resources management and behavior, Business Management and other quantitative methods, purchasing and logistics, organization and production, marketing, and business decision-making. Throughout the Business Management instructional program, students learn and practice valuable real-world skills using industry standard office productivity software to manage business functions. Students also develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organization, FBLA (Future Business Leaders of America). The Business Management instructional program prepares students for entry-level employment, further training, and/or post-secondary education.

BUSINESS MANAGEMENT 1-2

1200190-1200200

Two-semester course, grade level 9, 10, 11

Prerequisite: Career and Technology Exploration recommended

BUSINESS MANAGEMENT 3-4

1200210-1200220

Two-semester course, grade level 10, 11, 12

Prerequisite: Successful completion of Business Management 1-2

BUSINESS MANAGEMENT INTERNSHIP

This course is a coordinated work-based learning program that provides students authentic work experience in Business Management. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Business Management Program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the accounting industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

BUSINESS MANAGEMENT INTERNSHIP 1-2

1200270-1200280

Two-semester course, grade level 12

Prerequisite: Successful completion of Business Management 1-2 & 3-4 or concurrent enrollment in Business Management 3-4. Must be at least 16 years of age.

BUSINESS OPERATIONS

The Business Operations instructional program prepares students to provide administrative support to managers and executives within large, medium, and small businesses and organizations. Students who successfully complete the Business Operations program's coherent sequence of instruction will develop an in-depth, practical understanding of operational and administrative business principles and practices. The Business Operations program includes instruction in office procedures, project Operations, internal and external customer service, business communications, word processing and data entry, office machines operation and maintenance, public relations, records Operations, report preparation, and business law and ethics. Throughout the Business Operations instructional program, students learn and practice valuable real-world email, word processing, presentation, desktop publishing, spreadsheet, and database skills using industry standard office productivity software. Students also develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organization, FBLA (Future Business Leaders of America). This program prepares students for entry-level employment, further training, and/or post-secondary education.

BUSINESS OPERATIONS 1-2 6980000-6981000

BUSINESS OPERATIONS 1-2 MODIFIED 6980008-6981008

Two-semester course, grade level 9, 10, 11
Prerequisite: Career and Technology Exploration recommended

BUSINESS OPERATIONS 3-4 698200-6983000

Two-semester course, grade level 10, 11, 12
Prerequisite: Successful completion of Business Operations 1-2

BUSINESS OPERATIONS INTERNSHIP

This course is a coordinated work-based learning program which provides students authentic work experience in the business environment. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Business Operations Program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the business environment. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations. Course may be repeated for additional credit.

BUSINESS OPERATIONS INTERNSHIP 1-2 6984000-6985000

One-semester course, grade level 12
Prerequisite: Successful completion of Business Operations 1-2 & 3-4 or concurrent enrollment in Business Operations 3-4. Must be at least 16 years of age.

ENTREPRENEURSHIP

This course is designed to introduce the process of turning an idea into a successful start-up business. A primary focus is for the student to explore the potential of and the process for being a successful entrepreneur. The course introduces the student to the processes for creating a potentially successful business plan. Students will also understand the social and economic responsibilities of those engaged in a competitive economic system as it pertains to various areas of entrepreneurship. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in DECA, a state and national career and technical student organization. This program prepares students for entry-level employment, further training, and/or post-secondary education.

ENTREPRENEURSHIP 1-2 120010-1200020

Two-semester course, grade level 9, 10, 11
Prerequisite: Career and Technology Exploration recommended

ENTREPRENEURSHIP 3-4 1200030-1200040

Two-semester course, grade level 10, 11, 12
Prerequisite: Successful completion of Entrepreneurship 1-2

ENTREPRENEURSHIP HONORS

This course is designed to introduce the process of turning an idea into a successful start-up business. A primary focus is for the student to explore the potential of and the process for being a successful entrepreneur. The course introduces the student to the processes for creating a potentially successful business plan. Students will also understand the social and economic responsibilities of those engaged in a competitive economic system as it pertains to various areas of entrepreneurship. Course activities are designed for students who have been successful in honors level coursework involving reading, writing, math, and research skills. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in DECA, a state and national career and technical student organization. This program prepares students for entry-level employment, further training, and/or post-secondary education.

ENTREPRENEURSHIP 1-2 H 1260050-1260060

Two-semester course, grade level 9, 10, 11
Prerequisite: Career and Technology Exploration recommended

ENTREPRENEURSHIP 3-4 H 1260030-1260040

Two-semester course, grade level 10, 11, 12
Prerequisite: Successful completion of Entrepreneurship 1-2 Honors

ENTREPRENEURSHIP INTERNSHIP

This course is a coordinated work-based learning program which provides students authentic work experience in Entrepreneurship related fields. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Entrepreneurship Program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the marketing industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

ENTREPRENEURSHIP INTERNSHIP 1-2 1200110-1200120

One-semester course, grade level 12
Prerequisite: Successful completion of Entrepreneurship 1-2 & 3-4 or concurrent enrollment in Entrepreneurship 3-4. Must be at least 16 years of age

FINANCIAL SERVICES

This course prepares students to plan, manage, and analyze the financial and monetary aspects and performance of business enterprises, banking institutions, or other organizations. Students who successfully complete the Financial Services program's coherent sequence of instruction will develop an in-depth understanding of business and financial management principles and practices as well as the fundamentals of personal finance. The Financial Services program includes instruction in principles of accounting, banking, financial instruments, capital planning, funds acquisition, asset and debt management, insurance, budgeting, financial analysis, investments and portfolio management, and customer service for financial service organizations. Students learn and practice valuable real-world skills using industry standard spreadsheets and/or accounting software to manage financial information. Students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organization, FBLA (Future Business Leaders of America). This program prepares students for entry-level employment, further training, and/or post-secondary education.

FINANCIAL SERVICES 1-2 1200290-1200300

Two-semester course, grade level 9, 10, 11
Prerequisite: Career and Technology Exploration recommended

FINANCIAL SERVICES 3-4 1200310-1200320

Two-semester course, grade level 10, 11, 12
Prerequisite: Financial Services 1-2

FINANCIAL SERVICES INTERNSHIP

This course is a coordinated work-based learning program which provides students authentic work experience in Banking and Financial Services. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Banking and Financial Services program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the Banking and Financial Services industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

FINANCIAL SERVICES INTERNSHIP 1-2 1200330-1200340

FLORAL DESIGN & BUSINESS OPERATIONS *ONLY OFFERED AT METRO TECH

In the Floral Design Program students combine creativity and business operations with specific job skills as they prepare for employment in this rapidly expanding industry. Students master skills in the areas of floral display materials, arrangements, plants and flowers, sales, and customer relations as they progress through this course. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Future Business Leaders of America (FBLA), a state and national career and technical student organization. This program prepares students for entry-level employment, further training, and/or post-secondary education.

FLORAL DESIGN & BUSINESS OPERATIONS 1-2 **6810000-681100**

One-semester course, grade level 11, 12
Prerequisite: Career and Technology Exploration recommended

FLORAL DESIGN & BUSINESS OPERATIONS 3-4 **6873000-6874000**

One-semester course, grade level 11, 12
Prerequisite: Successful completion of Floral Design and Business Operations 1-2

FLORAL DESIGN & BUSINESS OPERATIONS INTERNSHIP

This course is a coordinated work-based learning program which provides students authentic work experience in Floral Design and Business Operations. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Floral Design and Business Operations program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the Floral Design and Business Operations industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

FLORAL DESIGN & BUSINESS OPERATIONS INTERNSHIP 1-2 **120090-1200100**

Two-semester course, grade level 12
Prerequisite: Successful completion of Floral Design and Business Operations 1-2 and 3-4 or concurrently enrolled in Floral Design and Business Operations 3-4. Must be at least 16 years of age.

HOSPITALITY MANAGEMENT

The Hospitality Management program prepares students for employment in positions that provide customer-focused services in such facilities as hotels, resorts, convention centers, national parks, travel agencies and cruise lines. A student completing this program will possess the knowledge and skills associated with reservations and front desk operations, meeting and banquet room support services, food and beverage support services, housekeeping, laundry operations, supervisory functions, and environmental functions. Throughout the Hospitality Management instructional program, students will develop advanced employability skills including critical and conceptual thinking, communications, applied academics and technology. Students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, Family, Career and Community Leaders of America (FCCLA) and DECA. This program prepares students for entry-level employment, further training, and/or post-secondary education.

HOSPITALITY MANAGEMENT 1-2 **1200350-1200360**

Two-semester course, grade level 9, 10, 11
Prerequisite: CTE 1 recommended

HOSPITALITY MANAGEMENT 3-4 **1200370-1200380**

Two-semester course, grade level 10, 11, 12
Prerequisites Successful completion of Hospitality Management 1-2

MARKETING

The Marketing instructional program prepares students to conduct the critical business functions associated with directing the flow of products and services from the producer to the consumer. Students who successfully complete the Marketing program's coherent sequence of instruction will develop an in-depth, practical understanding of economic principles, human resource skills, and marketing concepts as they relate to the essential functions of marketing: distribution, financing, information management, product planning, promotion, purchasing, risk management, and sales. The Marketing program includes instruction in market research, economics, marketing budgets, creative development and design, and marketing foundations and functions – with an emphasis on public relations, advertising, branding, promotion, product and service management, pricing, and distribution.

Specialized programs of study within the Marketing instructional program may include sports and entertainment marketing, hospitality marketing, or advertising and public relations. Throughout the Marketing instructional program students develop knowledge and skills common to entrepreneurs and entrepreneurship, including the human characteristics vital for entrepreneurial thinking in a twenty-first century global world. Throughout the Marketing instructional program, students learn, and practice valuable real-world skills using industry standard office productivity software to perform and support vital business functions. Marketing students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organization, DECA. This program prepares students for entry-level employment, further training, and/or post-secondary education.

MARKETING 1-2 **1200150-1200160**

Two-semester course, grade level 9, 10, 11
Prerequisite: Career and Technology Exploration recommended

MARKETING 3-4 **417000-4172000**

Two-semester course, grade level 10, 11, 12
Prerequisite: Successful completion of Marketing 1-2

MARKETING HONORS

This course offers an intensive study in social and economic responsibilities and preparation to compete in a global economic system with an emphasis in public relations, marketing, management, sales, and entrepreneurship. Course activities are designed for students who have been successful in honors level coursework involving reading, writing, and math skills. Students will use problem solving skills, collaborative thinking, application, and reflection to complete a capstone project that encompasses a marketing concept. Students will have opportunities to manage an on-site student-based enterprise; demonstrate technical skills in local, regional, state, and national competitions. Students gain valuable leadership and employment skills and receive opportunities for scholarships, and community involvement by participating in DECA, a state and national career and technical student organization. This program prepares students for entry-level employment, further training, and/or post-secondary education.

MARKETING 1-2 H **4151600-4152600**

Two-semester course, grade level 9, 10, 11
Prerequisite: Career and Technology Exploration recommended

MARKETING 3-4 H **4171600-4172600**

Two-semester course, grade level 10, 11, 12
Prerequisite: Successful Completion of Marketing 1-2 H

MARKETING INTERNSHIP

This course is a coordinated work-based learning program which provides students authentic work experience in Marketing related fields. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Marketing Program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the marketing industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

MARKETING INTERNSHIP 1-2 **6621000-6622000**

Two-semester course, grade level 12
Prerequisite: Successful completion of Marketing 1-2 and 3-4 or concurrent enrollment in Marketing 3-4. Must be at least 16 years of age.

SPORTS & ENTERTAINMENT MARKETING

This course provides students with an understanding of the social and economic responsibilities of those engaged in a competitive economic system as it pertains to the Sports and Entertainment Marketing business. Students gain valuable leadership and employment skills and receive opportunities for scholarships, and community involvement by participating in DECA, a state and national career and technical student organization. This program prepares students for entry-level employment, further training, and/or post-secondary education.

SPORTS & ENTERTAINMENT MARKETING 1-2 1200170-1200180

Two-semester course, grade level 9, 10, 11
Prerequisite: Career and Technology Exploration recommended

SPORTS & ENTERTAINMENT MARKETING 3-4 6752000-6753000

Two-semester course, grade level 10,11, 12
Prerequisite: Successful completion of Sports & Entertainment Marketing 1-2

SPORTS & ENTERTAINMENT MARKETING INTERNSHIP

This course is a coordinated work-based learning program which provides students authentic work experience in the business environment. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Marketing Program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the business environment. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

SPORTS & ENTERTAINMENT MARKETING INTERNSHIP 1-2 6748000-6749000

Two-semester course, grade level 12
Prerequisite: Successful completion of Sports and Entertainment Marketing 1-2 and 3-4 or concurrent enrollment in Sports and Entertainment Marketing 3-4. Must be at least 16 years of age.

ELECTIVE BUSINESS CLASSES

This course will provide an opportunity to complete one level of a course sequence and enable the student to develop advanced work in areas where the number requesting this work does not warrant offering a specific course. The student will work out a program of study to enhance his/her goals; knowledge of one of the major areas of business; and will have an opportunity to specialize in a chosen field. Only 1.0 credit can be earned in this course to meet high school graduation requirements.

BUSINESS EDUCATION 1-2 INDEPENDENT STUDY 4113001-41140001

Two-semester course, grade level 12
Prerequisite: Prior approval of the Career & Technical Education Supervisor, Principal, Business/Technology Education Instructor, and Instructional Leader

HEALTH SERVICES

BIOTECHNOLOGY

The Biotechnology program prepares individuals to apply scientific principles and technical skills in support of biologists and biotechnologists in research, industrial and government settings. The program includes instruction in fermentation technology, cell culturing, protein purification, biologic synthesis, assaying and testing, quality control, industrial microbiology, bioprocessing, chromatography and bio separation, genetic technology, laboratory and hazardous materials safety, computer applications, and test equipment operation and maintenance. The Biotechnology students develop leadership, social, civic, and career skills through participation in the Career and Technical Student Organization HOSA (Future Health Professionals).

BIOTECHNOLOGY 1-2 1400190-1400200

Two-semester course, grade level 10,11, 12
Prerequisite: Biology 1-2, Career and Technology Exploration recommended

BIOTECHNOLOGY 3-4 1400210-1400220

Two-semester course, grade level 11, 12
Prerequisite: Biotechnology 1-2

NURSING ASSISTANT

This course is for students who want to prepare for employment in the health care industry, while gaining valuable information to be successful in any health career field. The Nursing Assistant program prepares students to perform routine nursing-related services to patients in hospitals or long-term care facilities under the training and supervision of a registered nurse or licensed practical nurse. The Nursing Assistant students develop leadership, social, civic, and career skills through participation in the Career and Technical Student Organization HOSA (Future Health Professionals).

***Students may receive a waiver for meeting the Health course requirement for graduation after passing the entire year (36 weeks) of 1-2. Refer to the Marks and Grading Manual for additional information.

NURSING ASSISTANT 1-2 6161000

Two-semester course, grade level 11
\$50.00 2 Year Program One Time Fee
Prerequisite: Passed English 1, 2, 3; Biology 1; Algebra 1; and a 2.75 GPA or higher; and instructor approval; pre-screening required; Career and Technology Exploration recommended

NURSING ASSISTANT 3-4 6819000

Two-semester course, grade level 12
\$50.00 2 Year Program One Time Fee
Prerequisite: Passed Nursing Assistant 1-2; and instructor approval

PHARMACY SUPPORT SERVICES

The Pharmacy Support Services program prepares students to prepare and provide medications and related assistance to patients, manage pharmacy clinical and business operations. The Pharmacy Support Services program includes instruction in medical and pharmaceutical terminology, principles of pharmacology and pharmaceuticals, drug identification, pharmacy laboratory procedures, prescription interpretation, patient communication and education, safety procedures, recordkeeping, measurement and testing techniques, pharmacy business operations, prescription preparation, logistics and dispensing operations, and applicable standards and regulations. The Pharmacy Support Services students develop leadership, social, civic, and career skills through participation in the Career and Technical Student Organization HOSA (Future Health Professionals).

PHARMACY SUPPORT SERVICES 1-2 6157000

Two-semester course, grade level 11
\$50.00 2 Year Program One Time Fee
Prerequisite: English 1, 2, 3; Biology 1; Algebra 1, Career and Technology Exploration recommended

PHARMACY SUPPORT SERVICES 3-4 6159000

Two-semester course, grade level 12
\$50.00 2 Year Program One Time Fee
Prerequisite: Passed English 1, 2, 3; Biology 1, Algebra 1; and a 2.75 GPA or higher

PHARMACY SUPPORT SERVICES INTERNSHIP 1-2

This course is a coordinated work-based learning program, which provides students authentic work experience in the Pharmacy Support Services environment. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Pharmacy Support Services Program classes. This paid or unpaid internship helps the students to practice and improve employability skills in the Pharmacy Support Services environment. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

PHARMACY SUPPORT SERVICES INTERNSHIP 1-2 1400070-1400080

Prerequisite: Successful completion of Pharmacy Support Service 1-2 and 3-4, or concurrent enrollment in Pharmacy Support Service 3-4. Must be 16 years of age.

SPORTS MEDICINE & REHABILITATION SERVICES

The Sports Medicine & Rehabilitation program introduces students to the roles of various disciplines within sports medicine and rehabilitation sciences as well as other allied health professions. Students will be introduced to the analysis of human movement based on anatomical and mechanical principles. Emphasis is placed on the anatomy and physiology of the muscular, skeletal, and nervous systems and their interaction in human movement and athletic performance. They will also learn signs and symptoms of injuries, illnesses, and disorders commonly seen in the physically active population. Students will develop skills in injury prevention, injury and illness assessment, and using appropriate terminology and medical documentation to record injury and illness. This program develops leadership, social, civic, and career skills through participation in the Career and Technical Student Organization HOSA (Future Health Professionals). This program prepares students for entry-level employment, further training, and/or post-secondary education.

SPORTS MEDICINE & REHABILITATION 1-2

1400090-1400100

Two-semester course, grade level 11, 12

Prerequisite: Career & Technology Exploration recommended

SPORTS MEDICINE & REHABILITATION 3-4

1400110-1400120

Two-semester course, grade level 11, 12, Metro Tech: 12

Prerequisite: Sports Medicine and Rehabilitation 1-2

SPORTS MEDICINE & REHABILITATION SERVICES INTERNSHIP

This course is a coordinated work-based learning program, which provides students authentic work experience in the Sports Medicine & Rehabilitation Services environment. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Sports Medicine & Rehabilitation Services Program classes. This paid or unpaid internship helps the students to practice and improve employability skills in the Sports Medicine & Rehabilitation Services environment. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

SPORTS MEDICINE & REHABILITATION SERVICES INTERNSHIP

1400130-1400140

Two-semester course, grade level 12

Prerequisite: Successful completion of Sports Medicine & Rehabilitation Services 1-2 and 3-4 or concurrent enrollment in Sports Medicine & Rehabilitation Services 3-4. Must be 16 years of age.

HUMAN SERVICES

COSMETOLOGY

The Cosmetology program prepares individuals to cut, trim, and style scalp, facial, and body hair; apply cosmetic preparations; perform manicures and pedicures; massage the head and extremities; and prepare for practice as licensed cosmetologists in specialized or full-service salons. This program includes instruction in hair cutting and styling, manicuring, pedicuring, facial treatments, shampooing, chemical applications, esthetics, shop management, sanitation and safety, customer service, and applicable professional and labor laws and regulations. This instructional program prepares students for entry level employment, further training, and/or post-secondary education. Students develop leadership, social, civic, and career skills through participation in the Career and Technical Student Organization, SkillsUSA

COSMETOLOGY 1-2

6057000

Offered only at the beginning of the first and second 18-week semesters each year, grade level 11

\$405.00 Two-Year One-Time Program Fee

Prerequisite: Students must have a minimum of 10 high school credits; two (2) must be in English. Career and Technology Exploration 1 recommended, Metro Tech Cosmetology Orientation Required.

Materials: Basic kit required to meet State Board of Cosmetology Licensure requirement

COSMETOLOGY 3-4

6059000

Two-semester course, grade level 11, 12

Prerequisite: Cosmetology 1-2 or Instructor approval

Materials: Basic kit required – student will utilize kit purchased for 1-2

CULINARY ARTS (METRO TECH)

The Culinary Arts program prepares students to apply technical knowledge and skills required for food production and service occupations in commercial foodservice establishments. Students completing this program will possess the technical knowledge and skills required for planning, selecting, storing, purchasing, preparing and serving quality food products. Nutritive values, safety and sanitation procedures, use of commercial equipment, serving techniques and management of food establishments will also be studied. The instructional program prepares students for entry-level employment, further training, and/or post-secondary education. The instructional program utilizes a delivery system made up of four integral parts: formal/technical instruction, experiential learning, supervised occupational experience, and leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organization, Family, Career and Community Leaders of America (FCCLA).

CULINARY ARTS 1-2

6061000

Two-semester course, grade level 9, 10, 11, 12

\$75.00 2 Year Program One Time Fee

Students will be required to obtain a current Maricopa Food Service Worker/Food Handler's card.

Students will be required to comply with industry-specific personal presentation and dress code.

Prerequisite: CTE 1 recommended

CULINARY ARTS 3-4

6063000

Two-semester course, grade level 11, 12

\$75.00 2 Year Program One Time Fee

Students will be expected to earn their CPR/ First Aid certification, Students will be required to obtain a current Maricopa Food Service Worker/ Food Handler's card

Students are required to pass a TB test.

Students will be required to comply with industry-specific personal presentation and dress code.

Prerequisite: Successful completion of Culinary Arts 1-2

CULINARY ARTS INTERNSHIP 1-2

The Culinary Arts program prepares students to apply technical knowledge and skills required for food production and service occupations in commercial foodservice establishments. Students completing this program will possess the technical knowledge and skills required for planning, selecting, storing, purchasing, preparing, and serving quality food products. Nutritive values, safety and sanitation procedures, use of commercial equipment, serving techniques and management of food establishments will also be studied. The instructional program prepares students for entry-level employment, further training, and/or post-secondary education. The instructional program utilizes a delivery system made up of four integral parts: formal/technical instruction, experiential learning, supervised occupational experience, and leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organization, Family, Career and Community Leaders of America (FCCLA).

CULINARY ARTS 1-2

4707000-4708000

Two-semester course, grade level 9, 10, 11

\$10.00 Fee Per Semester

Prerequisite: Career & Technology Exploration 1 recommended

CULINARY ARTS 3-4

4709000-471000

Two-semester course, grade level 11, 12

\$10.00 Fee Per Semester

Prerequisite: Successful completion of Culinary Arts 1-2

CULINARY ARTS INTERNSHIP 1-2 6941000-6942000

This course is a coordinated work-based learning program which provides students authentic work experience in Culinary Arts. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Culinary Arts Program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the culinary industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations, which may include but is not limited to the possession of a current food service worker's card.

EARLY CHILDHOOD EDUCATION

The Early Childhood Education program is designed to prepare students for employment in early childhood settings. The Early Childhood Education program includes instruction in child growth and development, child health, nutrition, safety, planning, and supervision of developmentally appropriate practices and learning activities. Child guidance, family relationships, parenting, and applicable legal and administrative requirements are also addressed. Preparation for the development and management of effective early childhood programs and facilities is included. Students also develop leadership, social, civic, and career skills through their participation in the state-recognized Career and Technical Student Organization Family, Community, and Career Leaders of America, or Educators Rising. The Early Childhood Education instructional program prepares students for entry-level employment, further training, and/or post-secondary education.

EARLY CHILDHOOD EDUCATION 1-2 4701000-4702000

Two-semester course, grade level 10, 11
\$10.00 Fee Per Semester
Prerequisites CTE 1 recommended

EARLY CHILDHOOD EDUCATION 3-4 4731000-4732000

Two-semester course, grade level 11, 12
\$10.00 Fee Per Semester
Prerequisites Successful completion of Early Childhood Education 1-2

EARLY CHILDHOOD EDUCATION INTERNSHIP

This course is a coordinated work-based learning program which provides students authentic work experience in Early Childhood Education. This course allows the student to participate in a structured work environment at a licensed preschool or daycare facility and involves the application of technical skills gained in earlier Early Childhood Education Program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the early childhood education industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations, which may include but are not limited to current CPR/First Aid certification; current TB test; fingerprint requirements; and a current food service worker's card.

EARLY CHILDHOOD EDUCATION INTERNSHIP 1-2 1900030-1900040

Two-semester course, grade level 12
Class Fee: \$10.00 per semester
Prerequisite: Successful completion of Early Childhood Education 1-2 and 3-4 or completion of 1-2 and concurrent enrollment in Early Childhood Education 3-4. Must be at least 16 years of age.

FASHION DESIGN & MERCHANDISING

FASHION DESIGN & MERCHANDISING 1-2 4705000-4706000

Two-semester course, grade level 9, 10, 11
\$5.00 Fee Per Semester
Prerequisite: Career & Technology Exploration 1 recommended

FASHION DESIGN & MERCHANDISING 3-4 4729000-4730000

Two-semester course, grade level 10, 11, 12
Prerequisite: Successful completion of Fashion Design & Merchandising 1-2

FASHION DESIGN & MERCHANDISING INTERNSHIP

This course is a coordinated work-based learning program which provides students authentic work experience in Fashion Design and

Merchandising. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Fashion Design and Merchandising Program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the fashion industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

FASHION DESIGN & MERCHANDISING INTERNSHIP 1-2 4737000-4738000

Two-semester course, grade level 12
Prerequisite: Successful completion of Fashion Design & Merchandising 1-2; or completion of 1-2 or concurrent enrollment in Fashion Design & Merchandising 3-4.
Must be at least 16 years of age.

FIREFIGHTING AND EMS

***ONLY OFFERED AT FRANKLIN**

The Firefighting and EMS program focuses on the principles, theory, and practices associated with the management of fire operations, firefighting services, community fire issues, and emergency medical services. The Fire Service program includes instruction in fire protection history and theory, incident command leadership, administration of public fire organizations, labor relations, emergency medical services management, fire emergency response strategies and mitigation, legal and regulatory responsibilities, budgeting, public relations, and organizational leadership. Fire Service students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA.

FIREFIGHTING AND EMS 1-2 6089000-6080000

Offered every 9 weeks, grade level 11, 12

FIREFIGHTING AND EMS 3-4 6091000-6092000

Offered every 9 weeks, grade level 12
Prerequisite: Successful completion of Fire Fighting 1-2

FIREFIGHTING AND EMS INTERNSHIP 1-2

***ONLY OFFERED AT FRANKLIN**

This course is a coordinated work-based learning program which provides students authentic work experience in Firefighting related fields. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Firefighting classes. This paid or unpaid internship helps the student to practice and improve employability skills in the marketing industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations. Course may be repeated for additional credit.

FIREFIGHTING AND EMS INTERNSHIP 1-2 1500010-1500020

Two-semester course, grade level 12
Prerequisite: Successful completion of Firefighting & EMS 1-2 and 3-4 or concurrent enrollment in Firefighting & EMS 3-4
Must be at least 16 years of age.

MENTAL & SOCIAL HEALTH SERVICES

The Mental and Social Health program is an introduction to social work, mental health case work, clinical interviewing techniques, therapeutic intervention strategies, patient testing and evaluation procedures, patient and family counseling, social rehabilitation, patient care planning, record-keeping, and support services liaison activities. The Mental and Social Health program includes instruction in mental health theory, applied psychopathology, patient communication and management, crisis intervention, psychotropic medication, mental health treatment procedures, substance abuse, record-keeping, clinical administrative skills, and applicable standards and regulations. Students develop leadership, social, civic, and career skills through participation in the Career and Technical Student Organization HOSA (Future Health Professionals). This program prepares students for entry-level employment, further training, and/or post-secondary education.

MENTAL & SOCIAL HEALTH SERVICES 1-2

1400250-1400260

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: CTE 1 recommended

MENTAL & SOCIAL HEALTH SERVICES 3-4

Two-semester course, grade level 11, 12

Prerequisite: Successful completion of Mental & Social Health Services 1-2

LAW & PUBLIC SAFETY

*ONLY OFFERED AT FRANKLIN

The Law and Public Safety program prepares individuals to apply theories and practices of organization management and criminal justice to the administration of public law enforcement agencies and operations. The Law and Public Safety program includes instruction in law enforcement history and theory, operational command leadership, administration of public police organizations, labor relations, incident response strategies, legal and regulatory responsibilities, budgeting, public relations, and organizational leadership. Law and Public Safety students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA.

LAW & PUBLIC SAFETY 1-2

1500110-1500120

Offered every 9 weeks, grade level 11, 12

Prerequisite: Career Connections in Public Safety 1-2 recommended

LAW & PUBLIC SAFETY 3-4

1500130-1500140

Offered every 9 weeks, grade level 12

Prerequisite: Successful Completion of Law & Public Safety 1-2

LAW ENFORCEMENT INTERNSHIP 1-2

This course is a coordinated work-based learning program which provides students authentic work experience in Law Enforcement related fields. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Law Enforcement classes. This paid or unpaid internship helps the student to practice and improve employability skills in the marketing industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations. Course may be repeated for additional credit.

LAW & PUBLIC SAFETY INTERNSHIP 1-2

1500030-1500040

Two-semester course, grade level 12

Prerequisite: Successful completion of Law Enforcement 1-2 and 3-4 or concurrent enrollment in Law Enforcement 3-4

Must be at least 16 years of age.

INDUSTRIAL SERVICES

ARCHITECTURAL DRAFTING/DESIGN

The Architectural Drafting program prepares individuals to apply technical knowledge and skills to develop working drawings and electronic simulations for architectural and related construction projects. The Architectural Drafting program includes instruction in basic construction and structural design, architectural rendering, architectural-aided drafting (CAD), layout and designs, architectural blueprint interpretation, building materials, and basic structural wiring diagramming. Architectural Drafting students learn how to get along with their team members, to make critical decisions, to solve problems, to develop respect, and to be successful in their chosen occupation. Students also develop leadership, social, civic, and career skills through their participation in the state-recognized Career and Technical Student Organization SkillsUSA.

ARCHITECTURAL DRAFTING/DESIGN 1-2**2100150-2100160**

Two-semester course, grade level 9, 10, 11

\$10.00 Fee Per Semester

Prerequisite: Career & Technology Exploration 1 recommended

ARCHITECTURAL DRAFTING/DESIGN 3-4**2100170-2100180**

Two-semester course, grade level 10, 11, 12

\$10.00 Fee Per Semester

Prerequisite: Successful completion of Architectural Drafting/Design 1-2

ARCHITECTURAL DRAFTING TECHNOLOGY INTERNSHIP 1-2

This course is a coordinated work-based learning program which provides students authentic work experience in Architectural Design/Drafting Technology. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Architectural Design/Drafting Technology classes. This paid or unpaid internship helps the student to practice and improve employability skills in the design and drafting industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

ARCHITECTURAL DRAFTING TECHNOLOGY INTERNSHIP 1-2**5021000-5022000**

Two-semester course, grade level 12

Prerequisite: Successful completion of Design/Drafting Technology 1-2 and 3-4 or concurrent enrollment in Design/Drafting Technology 3-4. Must be at least 16 years of age.

MATH APPLICATIONS IN ARCHITECTURAL DRAFTING 3-4

This course is aligned with the Arizona Mathematics Standards and fulfills the fourth mathematics credit needed for graduation. This course provides students instruction on how mathematical analysis can be used in the final course of the Architectural Drafting program. Students develop, demonstrate, and communicate mathematical concepts that relate to algebraic functions, probability, statistics, and their applications. Topics include architectural blueprints and the various components associated with creating, reading, and interpreting those documents. Students will gain insight to many of the facets associated in completing a home type structure from beginning to end. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a state and national career and technical student organization.

MATH APPLICATIONS IN ARCHITECTURAL DRAFTING 3-4**2100190-2100200**

Two-semester course, grade level 12

Prerequisite: Passing grade in Algebra 3-4 or Algebra 3-4 H, or equivalent or Instructor recommendation. Successful completion of Architectural Drafting/Design 1-2.

AUTOMOTIVE COLLISION REPAIR

The Automotive Collision Repair program prepares individuals to apply technical knowledge and skills to repair, reconstruct, and finish automobile bodies, fenders, and external features. The Automotive Collision Repair program delivers instruction in structure analysis, damage repair, non-structural analysis, mechanical and electrical components, plastics and adhesives, painting and refinishing techniques, damage analysis and estimating. Automotive Collision Repair students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA.

AUTOMOTIVE COLLISION AND REPAIR 1-2**6017000**

Two-semester course, Grade level 11

\$25.00 Annual Fee

Prerequisite: Career & Technology Exploration 1 recommended

AUTOMOTIVE COLLISION AND REPAIR 3-4**6019000**

Two-semester course, Grade level 12

\$25.00 Annual Fee

Prerequisite: Successful completion of Automotive Collision Repair 1-2

AUTOMOTIVE COLLISION REPAIR INTERNSHIP

This course is a coordinated work-based learning program which provides students authentic work experience in Automotive Collision and Repair. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Automotive Collision Repair program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the construction industry. Appropriate internship placement is secure with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

AUTOMOTIVE COLLISION REPAIR INTERNSHIP 1-2**2000250-2000260**

Two-semester course, grade level 12

Prerequisite: Successful completion of Automotive Collision Repair 1-2 and 3-4 or concurrent enrollment in Automotive Collision Repair 3-4. Must be at least 16 year of age.

AUTOMOTIVE TECHNOLOGIES (METRO TECH)**AUTOMOTIVE TECHNOLOGIES 1-2****BRAKES, SUSPENSION AND STEERING 1-2****6183000****ELECTRICAL/ELECTRONIC SYSTEMS 1-2****6185000****ENGINE PERFORMANCE 1-2****6181000**

Two-semester course, Grade level 11

\$20.00 Annual Fee

Prerequisite: Successful completion of Algebra 1-2; Career and Technology Exploration 1 recommended; Student enters and maintains a minimum 2.0 grade point average; and program instructor approval.

This course involves three 12-week rotations. This program meets the strict industry standards required for Automotive Service Excellence (ASE) certification by the National Automotive Technicians Education Foundation (NATEF), and Automotive Youth Educational Systems (AYES). The Automotive Technologies instructional program prepares students for entry-level employment, further training, and/or post-secondary education, Dual credit with Gateway Community College is available once during a student's Automotive 1-2 or Automotive 3-4 coursework. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a state and national career and technical student organization.

AUTOMOTIVE TECHNOLOGIES 3-4

BRAKES, SUSPENSION AND STEERING 3-4 6205000

ELECTRICAL/ELECTRONIC SYSTEMS 3-4 6207000

ENGINE PERFORMANCE 3-4 6209000

Two-semester course, Grade level 12

\$20.00 Annual Fee

Prerequisite: Successful completion of Automotive Technologies 1-2.

Students must maintain a minimum 2.0 GPA and receive program instructor approval.

Students will continue their program of study in Automotive Technologies. Students will build upon and expand the skills attained in the 1-2 program, and experience new skills related to Automotive Technologies fields. The Automotive Technologies instructional program prepares students for entry-level employment, further training, and/or post-secondary education. Upon successful completion of Automotive Technologies 3-4, students will be prepared to take the Automotive Service Excellence (ASE) student certification exams. Community college dual enrollment credit will be offered. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a state and national career and technical student organization.

AUTOMOTIVE TECHNOLOGIES INTERNSHIP 1-2

2000230-2000240

Two-semester course, grade level 12

Prerequisite: Successful completion of Automotive Technologies 1-2 and 3-4 or concurrent enrollment in Automotive Technologies 3-4.

Must be 16 years of age.

This course is a coordinated work-based learning program, which provides students authentic work experience in the Business environment. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Business Program classes. This paid or unpaid internship helps the students to practice and improve employability skills in the Business environment. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

MATHEMATICAL APPLICATIONS IN AUTOMOTIVE TECHNOLOGIES 3-4

0200110-0200120

Two-semester course, grade level 11, 12

Prerequisite: Passing grade in Algebra 3-4 or Algebra 3-4 H or equivalent or Instructor recommendation.

Successful completion of Transportation / Auto Tech 1-2. Meets PXU and Arizona Mathematics Standards graduation requirements

This course provides students instruction on how mathematical analysis can be used in the final course of the Transportation / Auto Technology program. Students develop, demonstrate, and communicate mathematical concepts that relate to algebraic functions, geometry, measurement, proportional reasoning, and statistics. Students gain real world experience by working on customer vehicles. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a state and national career and technical student organization. This course is aligned with the Arizona Mathematics Standards and fulfills the fourth mathematics credit needed for graduation.

AUTOMOTIVE TECHNOLOGIES (BROWNE AND SOUTH)

The Automotive Technologies program prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. The Automotive Technologies includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension, and steering, automatic and manual transmissions and drive trains, and heating and air condition systems. The Automotive Technologies instructional program prepares students for entry-level employment, further training, and/or post-secondary education. Automotive Technologies students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA.

AUTOMOTIVE TECHNOLOGIES 1-2 5035000-5036000

Two-semester course, grade level 10, 11

\$20.00 Fee Per Semester

Prerequisite: Career & Technology Exploration 1 recommended

AUTOMOTIVE TECHNOLOGIES 3-4 5037000-5038000

Two-semester course, grade level 10, 11, 12

\$20.00 Fee Per Semester

Prerequisite: Successful completion of Auto Technologies 1-2

AUTO TECHNOLOGIES 5-6

5039000-5040000

Two-semester course, grade level 11, 12

\$20.00 Fee Per Semester

Prerequisite: Successful completion of Auto Technologies 3-4

AUTO TECHNOLOGY INTERNSHIP 1-2

5041000-5042000

Two-semester course, grade level 12

Prerequisite: Successful completion of Auto Technology 1-2 and 3-4 and currently enrolled in Auto Technology 5-6 or 3-4 if program blocked

Must be 16 years of age.

This course is a coordinated work-based learning program which provides students authentic work experience in Auto Technology. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Auto Technology Program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the automotive industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

MATH APPLICATIONS IN AUTO TECHNOLOGY 3-4

0200170-0200180

Two-semester course, grade level 12

Prerequisite: Passing grade in Algebra 3-4 or Algebra 3-4 H or equivalent, or Instructor recommendation. Successful completion of Auto Technology 1-2.

This course provides students instruction on how mathematical analysis can be used in the final course of the Transportation / Auto Technology program. Students develop, demonstrate, and communicate mathematical concepts that relate to algebraic functions, geometry, measurement, proportional reasoning, and statistics. Students gain real world experience by working on customer vehicles. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a state and national career and technical student organization. This course is aligned with the Arizona Mathematics Standards and fulfills the fourth mathematics credit needed for graduation.

CONSTRUCTION TECHNOLOGY

The Construction Technologies program prepares individuals to apply technical knowledge and skills to residential and commercial building construction and remodeling. This program includes instruction in construction equipment and safety; site preparation and layout; construction estimating; blueprint reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing. Through this program students learn professional skills such as critical thinking, communication, collaboration, etc. Construction Technologies students also develop leadership, social, civic, and career skills through their participation in the state-recognized Career and Technical Student Organization SkillsUSA.

CONSTRUCTION TECHNOLOGIES 1-2

5003000-5004000

Two-semester course, grade level 9, 10, 11

\$20.00 Fee Per Semester

Prerequisite: Career & Technology Exploration 1 recommended

CONSTRUCTION TECHNOLOGIES 3-4

5005000-5006000

Two-semester course, grade level 10, 11, 12

\$20.00 Fee Per Semester

Prerequisite: Successful completion of Construction Technology 1-2

CONSTRUCTION TECHNOLOGIES INTERNSHIP

This course is a coordinated work-based learning program which provides students authentic work experience in Construction / Woods Technology. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Construction Technologies program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the construction industry. Appropriate internship placement is secure with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

CONSTRUCTION TECHNOLOGIES INTERNSHIP 1-2 5019000-5020000

Two-semester course, grade level 12
Prerequisite: Successful completion of Construction/Technologies 1-2 and 3-4 or concurrent enrollment in Construction Technologies 3-4.
Must be at least 16 years of age.

ELECTRICAL WIRING

The Electrical Wiring program prepares individuals to apply technical knowledge and skills to install indoor and outdoor residential, commercial, and industrial electrical systems, and associated power transmission lines. The program includes instruction in electricity, safety procedures, wiring, insulation and grounding, schematic blueprint interpretation, equipment operation and maintenance, and applicable codes and standards. The Electrical Wiring program prepares students for entry-level employment, further training, and/or post-secondary education for these and other occupations. Electrical Wiring students also develop leadership, social, civic, and career skills through their participation in the state-recognized Career and Technical Student Organization SkillsUSA.

ELECTRICAL WIRING 1-2 1700010-1700020

Two-semester course, grade level 11
Prerequisite: Career and Technology Exploration recommended

ELECTRICAL WIRING 3-4 1700030-1700040

Two-semester course, grade level 12
Prerequisite: Successful completion of Electrical Wiring 1-2

ELECTRICAL WIRING INTERNSHIP

This course is a coordinated work-based learning program which provides students authentic work experience Electrical Wiring. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Electrical Wiring program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the Electrical industry. Appropriate internship placement is secure with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

ELECTRICAL WIRING INTERNSHIP 1-2

Two-semester course, grade level 12
Prerequisite: Electrical Wiring 1-2, 3-4, or concurrently enrolled in Electrical Wiring 3-4.
Must be 16 years of age.

TECHNICAL THEATRE

The Technical Theatre program prepares individuals to apply artistic, technical, and dramatic principles and techniques to the communication of dramatic information, ideas, moods, and feelings through technical theatre methods. The Technical Theatre program includes instruction in set design, lighting design, sound effects, theatre acoustics, scene painting, property management, costume design, and technical direction and production and use of computer applications to support these functions. Students also develop leadership, social, civic, and career skills through their participation in the state-recognized Career and Technical Student Organization Arizona Thespians. The Technical Theatre instructional program prepares students for entry-level employment, further training, and/or post-secondary education.

TECHNICAL THEATRE 1-2 1600010-1600020

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: Performing arts class of instructor approval

TECHNICAL THEATRE 3-4 1600030-1600040

Two-semester course, grade level 10, 11, 12
Prerequisite: Technical Theatre 1-2

TECHNICAL THEATRE INTERNSHIP

This course provides students an opportunity to apply previously developed knowledge and skill into a work experience. Students will apply skills learned in the Technical Theater program in the structured work environment off-campus. This paid or unpaid internship helps the student to practice and improve employability skills in the theatre production industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

TECHNICAL THEATRE INTERNSHIP 1-2 050037-0500380

Two-semester course, grade level 12
Prerequisite: Technical Theatre 1-2, 3-4, or concurrently enrolled in Technical Theatre 3-4. Must be 16 years of age.

WELDING

The Welding Technologies program prepares students to acquire welding techniques and be product verified with weldment testing. They will develop a working knowledge of blueprint reading, and the welding processes for Shielded Metal ARC Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Cored ARC Welding (FCAW), and Gas Tungsten ARC Welding (GTAW) with the use of thermal cutting equipment. Students will learn about the tools and equipment for the welding trade. The Welding Technologies instructional program prepares students for entry-level employment, further training, and/or post-secondary education. Students also develop leadership, social, civic, and career skills through their participation in the state-recognized Career and Technical Student Organization, SkillsUSA.

WELDING 1-2 1300010-1300020

Two-semester course, grade level 11
Prerequisite: Career & Technology Exploration 1 recommended

WELDING 3-4 1300030-1300040

Two-semester course, grade level 12
Prerequisite: Successful completion of Welding 1-2

WELDING INTERNSHIP

This course is a coordinated work-based learning program which provides students authentic work experience Welding. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Welding program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the Welding industry. Appropriate internship placement is secure with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

WELDING INTERNSHIP 1-2 1300090-1300100

Two-semester course, grade level 12
Prerequisite: Welding 1-2, 3-4, or concurrently enrolled in Welding.3-4.
Must be 16 years of age.

IT/STEM SERVICES

AUTOMATION/ROBOTICS ENGINEERING

The Automation/Robotics Engineering instructional program prepares students to apply basic engineering principles and technical skills in support of engineers and other professionals engaged in developing and using robots. This includes instruction in the principles of robotics, design and operational testing, system maintenance and repair procedures, robot computer systems and control language, specific system type hydraulics, mechanics, pneumatics to inspect, troubleshoot, program, install, modify, or repair robotic systems and machines, and applications to specific industrial tasks, and report preparation. Throughout the Automation/Robotics Engineering instructional program, students will enhance their technical knowledge and skills utilizing robots and automated systems in carrying out various tasks, manufacturing systems, production planning documentation, technical problem solving, management information systems, preventive maintenance, quality control for automated manufacturing, fundamental computational techniques associated with the operation of a robotic manipulator and a general automated system. The Automation/Robotics Engineering program will familiarize the students with the roles, strengths, and capabilities of robotics and automation technologies, as well as how to achieve these skills. Automation/Robotics Engineering students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA.

AUTOMATION/ROBOTICS ENGINEERING 1-2 H**1360010-1360020**

Two-semester course, grade level 9, 10

Prerequisite: Algebra 1-2; Physical Science, Foundations of Science Inquiry 1-2 IB, or Biology; Career & Technology Exploration 1 recommended

AUTOMATION/ROBOTICS ENGINEERING 3-4 H**1360030-1360040**

Two-semester course, grade level 10, 11

Prerequisite: Successful completion of Engineering 1-2; Algebra 1-2; Geometry 1-2 or concurrent enrollment in Geometry 1-2; Chemistry 1-2 recommended, or IB Math/Science Program Courses

AUTOMATION/ROBOTICS ENGINEERING 5-6 H**1360050-1360060**

Two-semester course, grade level 11, 12

Prerequisite: Successful completion of Engineering 1-2 and 3-4; Geometry 1-2 or concurrent enrollment in IB Math/Science Program Courses, or Physics

AUTOMATION/ROBOTICS ENGINEERING INTERNSHIP

This course is a coordinated work-based learning program, which provides students authentic work experience in the Automation/Robotics environment. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Automation/Robotics classes. This paid or unpaid internship helps the students to practice and improve employability skills in the Automation/Robotics environment. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

AUTOMATION/ROBOTICS ENGINEERING INTERNSHIP 1-2**1300110-1300120**

Two-semester course, grade level 12

Prerequisite: Successful completion of Automation/Robotics 1-2 and 3-4, or concurrent enrollment in Automation/Robotics 3-4. Must be 16 years of age.

COMPUTER MAINTENANCE AND CYBER SECURITY

The Computer Maintenance instructional program prepares students to design, development, installation, implementation, use, and management of computers and various computer devices. Students who successfully complete the Computer Maintenance program's coherent sequence of instruction will develop effective methods to troubleshooting problems using effective communication skills by asking key questions, listening for technical problems and, in turn, explaining problems in an understandable way. This instructional program prepares students for entry-level employment, further training, and/or post-secondary education. Computer Maintenance students develop leadership, social, civic, and career skills through participation in the state recognized Career and Technical Student Organizations, SkillsUSA or FBLA (Future Business Leaders of America).

COMPUTER MAINTENANCE & CYBER SECURITY 1-2**1000590-1000600**

One-semester course, offered every 18 weeks, grade level 11, 12

\$25.00 2 Year Program One Time Fee

Prerequisite: Career and Technology Exploration 1 recommended

COMPUTER MAINTENANCE & CYBER SECURITY 3-4**6051000**

One-semester course, grade level 11, 12

\$25.00 2 Year Program One Time Fee

Prerequisite: Successful completion of Computer Maintenance & Cyber Security 1-2

Recommended Tools: USB memory stick, blank CD-R/RWs.

COMPUTER MAINTENANCE & CYBER SECURITY INTERNSHIP 1-2**1000010-1000020**

Two-semester course, grade level 12

Prerequisite: Successful completion of Computer Maintenance 1-2 and 3-4 or concurrently enrolled in Computer Maintenance 3-4.

Must be at least 16 years of age.

This course is a coordinated work-based learning program which provides students authentic work experience in Computer & Network Technology. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Computer & Network Technology program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the Computer & Network Technology industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

ENGINEERING SCIENCES

The Engineering instructional program prepares students to apply basic engineering principles and technical skills in support of engineers engaged in a wide variety of projects. Includes instruction in various engineering support functions for research, production, and operations, and applications to specific engineering specialties. Students who successfully complete the Engineering program's coherent sequence of instruction learn to apply Science Technology Engineering Math (STEM) concepts to current technologies and tools as they learn about the different disciplines and opportunities within the fields of engineering. Throughout the Engineering instructional program, students learn and develop problem-solving skills by tackling real-world engineering problems. Through theory and practical hands-on experiences, students address the emerging social and political consequences of technological change. Engineering students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA.

ENGINEERING SCIENCES H 1-2**2160090-2160100**

Two-semester course, grade level 9, 10

Prerequisite: Algebra 1-2; Physical Science, Foundations of Science Inquiry 1-2 IB, or Biology; Career & Technology Exploration 1 recommended

ENGINEERING SCIENCES H 3-4

2160110-2160120

Two-semester course, grade level 10, 11

Prerequisite: Successful completion of Engineering 1-2; Algebra 1-2; Geometry 1-2 or concurrent enrollment in Geometry 1-2; Chemistry 1-2 recommended, or IB Math/Science Program Courses

ENGINEERING SCIENCES H 5-6

2160130-2160140

Two-semester course, grade level 11, 12

Prerequisite: Successful completion of Engineering 1-2 and 3-4; Geometry 1-2 or concurrent enrollment in IB Math/Science Program Courses, or Physics

ENGINEERING INTERNSHIP 1-2

This course is a coordinated work-based learning program which provides students authentic work experience in Engineering. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Engineering Program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the design and drafting industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

ENGINEERING INTERNSHIP 1-2

2100030-2100040

Two-semester course, grade level 12

Prerequisite: Successful completion of Engineering 1-2 and 3-4 or concurrent enrollment in Engineering 3-4.
Must be 16 years of age.

NETWORK SECURITY

The Network Security instructional program prepares students to assess the security needs of computer and network systems, recommend safeguard solutions, and manage the implementation and maintenance of security devices, systems, and procedures. Students who successfully complete the Network Security program's coherent sequence of instruction will develop skill to analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Perform network maintenance to ensure networks operate correctly with minimal interruption. During the instructional program, students will enhance their technical knowledge and skills that are associated with functions of application integrity, cyber threat management, and infrastructure security within Network Technologies' occupations. Network Security students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA or FBLA (Future Business Leaders of America).

NETWORK SECURITY 1-2

1000690-1000700

Two-semester course, grade level 9, 10, 11

Prerequisite: Career & Technology Exploration 1 recommended
\$25.00 - 2 Year One Time Program Fee

NETWORK SECURITY 3-4

1000710-1000720

Two-Semester course, grade level 10, 11, 12

Prerequisite: Successful completion of Network Security 1-2
\$25.00 - 2 Year One Time Program Fee

SOFTWARE AND APP DESIGN

The Software and App Design instructional program prepares students to apply basic engineering principles and technical skills to support engineers in developing, implementing, and evaluating computer software and program applications. Throughout the Software and App Design instructional program, students learn how to program, programming languages, databases, user interfaces, networking and warehousing, encryption and security, software testing and evaluation, and customization. Software and App Design students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA or FBLA (Future Business Leaders of America).

SOFTWARE AND APP DESIGN 1-2

1000730-1000740

Two-semester course, grade level 9, 10, 11

Prerequisite: Career and Technology Exploration 1 recommended

SOFTWARE AND APP DESIGN 3-4

1000750-1000760

Two-semester course, grade level 10, 11, 12

Prerequisite: Successful completion of Software and App Design 1-2

SOFTWARE AND APP DESIGN INTERNSHIP 1

This course is a coordinated work-based learning program, which provides students authentic work experience in Software and App Design. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Software and App Design classes. This paid or unpaid internship helps the students to practice and improve employability skills in the Software Development environment. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

SOFTWARE AND APP DESIGN INTERNSHIP 1

Two-semester course, grade level 12

Prerequisite: Successful completion of Software and App Design 1-2 and 3-4 or concurrent enrollment in Software and App Design 3-4
Must be at least 16 years of age.

MATH APPLICATIONS IN SOFTWARE AND APP DESIGN 3-4

This course is aligned with the Arizona Mathematics Standards and fulfills the fourth mathematics credit needed for graduation. This course provides students instruction on how mathematical analysis can be used in the final course of the Software Development program. The students will continue to work towards proficiency in the art and design principles for developing usable and engaging games including software engineering, human computer interaction, thematic structure, graphic design, choreography, music and sound effects, and game aesthetics. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a state and national career and technical student organization.

MATH APPLICATIONS IN SOFTWARE AND APP DESIGN 3-4

Two-semester course, grade level 12

Prerequisite: Passing grade in Algebra 3-4 or Algebra 3-4 H
Successful completion of Software and App Design 1-2

ENGLISH COURSE SEQUENCE

Students must successfully complete four units of English including credit in English 1-2, English 3-4, English 5-6 and English 7-8, or Honors sequence and/or AP courses.

ENGLISH COURSE SEQUENCE		
Placement Recommendation	Recommended for General English Course Sequence	Recommended for Honors and/or AP
9th grade	English 1-2	English 1-2 H / Pre-AP English 1-2 H
10th grade	English 3-4	English 3-4 H / Pre-AP English 3-4 H
11th grade	English 5-6	English 5-6 H or AP English Language and Composition
12th grade	English 7-8	English 7-8 H or AP English Literature and Composition

A student who fails one or more semesters of a course needs to complete available credit recovery options.

ENGLISH

ENGLISH GRADUATION REQUIREMENT

All PXU students graduating after the Class of 2016, will demonstrate proficiency on end of course assessments as mandated by AZ College and Career Ready standards for English Language Arts.

Students must successfully complete four units of English including credit in English 1-2, English 3-4, English 5-6, and English 7-8, or Honors sequence and/or AP courses.

AP ENGLISH LANGUAGE AND COMPOSITION 5-6

4291900-4292900

Two-semester course, grade level 11

Prerequisite: Student consistently performs above grade level on state and/or district assessments in reading, writing and language. Success in English 3-4 H or Instructor recommendation.

The AP English Language and Composition course adheres to the College Board conceptual framework with emphasis on rhetorical situation, claims, evidence, reasoning, organization and style. The course engages students in analyzing samples of good writing and explaining an author's use of rhetorical strategies, as well as applying effective techniques in their own writing. Students will demonstrate mastery of standard written English as well as a stylistic maturity in their own writings. This course allows students to write in a variety of genres and contexts while employing appropriate conventions and moving effectively through the stages of the writing process with careful attention to inquiry and research, drafting, revising, editing and review. This course is demanding and students are expected to take the AP Exam in Language and Composition. College credit or advanced placement in college may be granted based on exam results.

AP ENGLISH LITERATURE AND COMPOSITION 7-8

4293900-4294900

Two-semester course, grade level 12

Prerequisite: Student consistently performs above grade level on state and/or district assessments in reading, writing and language. Success in English 5-6 H or AP English Language and Composition or Instructor recommendation

The AP English Literature and Composition course adheres to the College Board conceptual framework with emphasis on the function of character, setting, plot, structure, narrator/speaker, word choice, imagery, symbols and comparison to aid in developing textually substantiated arguments about interpretation of part or all of a text. Students cultivate their understanding of literature through reading and analyzing literary texts as they explore these categories. This course is designed to develop an understanding of the universality of human experience that is revealed through reading representative literature of several cultures and eras. Writing assignments focus on the critical analysis of literature and include analytical, expository and argumentative essays. This course is demanding and students are expected to take the AP Exam in Literature and Composition. College credit or advanced placement in college may be granted based on AP exam results.

ENGLISH 1-2

4201000-4202000

Two-semester course, grade level 9

Prerequisite: None

English 1-2 is the first course in the series for required English graduation credits. It is designed to prepare students to meet proficiency on the Arizona English 9-10 standards that includes reading, writing, speaking and listening and language skills. The course includes thematic units with fiction and non-fiction short and longer texts and writing topics that are relevant to students' personal life experiences and engages them in evidence based reading and writing.

ENGLISH 1-2 H**4201600-4202600**

Two-semester course, grade level 9

Prerequisite: Student consistently performs at or above grade level on state and/or district assessments in reading, writing and language. Instructor recommendation

English 1-2H is the first course in the series for required English graduation credits and is the foundation for future honors/AP courses. This course prepares students to meet proficiency on the Arizona English 9-10 standards that includes reading, writing, speaking and listening and language skills while also preparing them for college level reading, writing and discussion through fundamental routines of critical analysis. The course includes thematic units with fiction and non-fiction short and longer texts and writing topics that are relevant to students' personal life experiences and engages them in evidence based reading and writing. Students also complete an honors capstone project.

ENGLISH 3-4**4203000-4204000**

Two-semester course, grade level 10

Prerequisite: Completion of English 1-2

English 3-4 is the second course in the series for required English graduation credits. It is designed to prepare students to meet proficiency on the Arizona English 9-10 standards that includes reading, writing, speaking and listening and language skills. The course includes thematic units with fiction and non-fiction short and longer texts and writing topics that include multiple world experiences and perspectives while engaging students in evidence based reading and writing.

ENGLISH 3-4 H**4203600-4204600**

Two-semester course, grade level 10

Prerequisite: Student consistently performs at or above grade level on state and/or district assessments in reading, writing and language. Success in English 1-2, 1-2 H; Instructor recommendation.

English 3-4H is the second course in the series for required English graduation credits. This course prepares students for future honors/AP English courses. It is designed to prepare students to meet proficiency on the Arizona English 9-10 standards that includes reading, writing, speaking and listening and language skills while also preparing students for college level reading, writing and discussion through fundamental routines of critical analysis. The course includes thematic units with fiction and non-fiction short and longer texts and writing topics that include multiple world experiences and perspectives while engaging students in evidence based reading and writing. Students also complete an honors capstone project.

ENGLISH 5-6**4205000-426000**

Two-semester course, grade level 11

Prerequisite: Completion of English 3-4

English 5-6 is the third course in the series for required English graduation credits. It is designed to prepare students to meet proficiency on the Arizona English 11-12 standards that includes reading, writing, speaking and listening and language skills. The course includes thematic units with fiction and non-fiction short and longer texts and writing topics that include multiple historical and contemporary American perspectives that are relevant to student experiences while engaging them in evidence based reading and writing.

ENGLISH 5-6 H**4205600-4206600**

Two-semester course, grade level 11

Prerequisite: Student consistently performs at or above grade level on state and/or district assessments in reading, writing and language. Completion of English 3-4, 3-4 H; Instructor recommendation.

English 5-6H is designed for academically advanced, highly motivated students who were successful in English 3-4H or are recommended for placement. It is the third course in the series for required English graduation credits. It is designed to prepare students to meet proficiency on the Arizona English 11-12 standards that includes reading, writing, speaking and listening and language skills. The course includes thematic units with fiction and non-fiction short and longer texts and writing topics that include multiple historical and contemporary American perspectives that are relevant to student experiences while engaging them in evidence based reading and writing. Students also complete an honors capstone project.

ENGLISH 7-8**4207000-4208000**

Two-semester course, grade level 12

Prerequisite: Completion of English 5-6

English 7-8 is the final course in the series for required English graduation credits. It is designed to prepare students to meet proficiency on the Arizona English 11-12 standards that includes reading, writing, speaking and listening and language skills. The course includes thematic units with fiction and non-fiction short and longer texts and writing topics that include multiple historical and contemporary perspectives from a broad variety of authors that are relevant to student experiences and engages them in evidence based reading and writing. Students may complete a senior capstone project.

ENGLISH 7-8 H**4207600-4208600**

Two-semester course, grade level 12

Prerequisite: Student consistently performs at or above grade level on state and/or district assessments in reading, writing and language. Completion of English 5-6, 5-6 H; Instructor recommendation

English 7-8H is designed for academically advanced, highly motivated students who were successful in English 5-6H or are recommended for placement. It is the final course in the series for required English graduation credits. It is designed to prepare students to meet proficiency on the Arizona English 11-12 standards that includes reading, writing, speaking and listening and language skills. The course includes thematic units with fiction and non-fiction short and longer texts and writing topics that include multiple historical and contemporary perspectives that are relevant to student experiences while engaging them in evidence based reading and writing. Students also complete an honors capstone project.

ENGLISH 7-8 CULTURALLY RELEVANT FROM THE AFRICAN AMERICAN PERSPECTIVE

Two-semester course, grade level 12

Prerequisite: Completion of English 5-6

English 7-8 Culturally Relevant from the African American Perspective is an additional option for the final course in the series of required English graduation credits. It is designed to prepare students to meet proficiency on the Arizona English 11-12 standards that includes reading, writing, speaking and listening and language skills. The course includes thematic units with fiction and non-fiction short and longer texts and writing topics that focus on African American literature from a variety of genres. Through a culturally relevant perspective, students will learn how race, class, gender, sexual orientation, culture and language have shaped African American literature. Students will apply literacy discourse and understandings while engaging in evidence based reading and writing. Students may complete a senior capstone project.

ENGLISH 7-8 CULTURALLY RELEVANT FROM THE NATIVE AMERICAN PERSPECTIVE

Two-semester course, grade level 12

Prerequisite: Completion of English 5-6

English 7-8 Culturally Relevant from the Native American Perspective is an additional option for the final course in the series of required English graduation credits. It is designed to prepare students to meet proficiency on the Arizona English 11-12 standards that includes reading, writing, speaking and listening and language skills. The course includes thematic units with fiction and non-fiction short and longer texts and writing topics that focus on Native American literature from a variety of genres. Through a culturally relevant perspective, students will learn how race, class, gender, sexual orientation, culture and language have shaped Native American literature. Students will apply literacy discourse and understandings while engaging in evidence based reading and writing. Students may complete a senior capstone project.

ENGLISH 7-8 CULTURALLY RELEVANT FROM THE MEXICAN AMERICAN/CHICANX PERSPECTIVE

Two-semester course, grade level 12
Prerequisite: Completion of English 5-6

English 7-8 Culturally Relevant from the Mexican American/Chicanx Perspective is an additional option for the final course in the series of required English graduation credits. It is designed to prepare students to meet proficiency on the Arizona English 11-12 standards that includes reading, writing, speaking and listening and language skills. The course includes thematic units with fiction and non-fiction short and longer texts and writing topics that focus on Mexican American/Chicanx literature from a variety of genres. Through a culturally relevant perspective, students will learn how race, class, gender, sexual orientation, culture and language have shaped Mexican American/Chicanx literature. Students will apply literacy discourse and understandings while engaging in evidence based reading and writing. Students may complete a senior capstone project.

ENGLISH SKILLS FUNDAMENTALS 1-2 0110090-0110100

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering

English Skills Fundamentals is the beginning course in an alternate series offered to meet English credit requirements. Students will improve reading, writing, listening, and speaking skills outlined in the Arizona State Standards for ELA. This course strengthens academic skills through the use of thematic literature and informational text collections. It embeds supports and strategies, differentiated assessments, and sequential skill building in the foundational concepts to support student growth and progression through the standards. May be repeated for credit.

ENGLISH SKILLS LEVEL A 1-2 0110110-0110120

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering

English Skills Level A continues building on foundational skills outlined in English Skills Fundamentals. It is the second course in an alternate series offered to meet English credit requirements. Systematic instruction continues throughout this course, developing and strengthening language, vocabulary, comprehension, grammar, writing, and analyzing skills. May be repeated for credit.

ENGLISH SKILLS LEVEL B 1-2 0110130-0110140

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering

English Skills Level B continues building on foundational skills learned in the courses of English Skills Fundamentals and Level A. This course is the third course in an alternate series offered to meet English credit requirements. This course continues to promote problem solving, proficiency, vocabulary development, reading comprehension, and written expression development in narrative, personal narrative and expository text. May be repeated for credit.

FUNCTIONAL LANGUAGE ARTS 9 2210270-2210280

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. The course promotes independence and literacy by focusing on reading, writing, speaking, and listening. The course can be taken multiple times as the student moves toward proficiency in these areas.

FUNCTIONAL LANGUAGE ARTS 10 2210270-2210280

Two-semester course, grade level 10
Prerequisite: District approval required for this offering

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. The course promotes independence and literacy by focusing on reading, writing, speaking, and listening. The course can be taken multiple times as the student moves toward proficiency in these areas.

FUNCTIONAL LANGUAGE ARTS 11 2210270-2210280

Two-semester course, grade level 11
Prerequisite: District approval required for this offering

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. The course promotes independence and literacy by focusing on reading, writing, speaking, and listening. The course can be taken multiple times as the student moves toward proficiency in these areas.

FUNCTIONAL LANGUAGE ARTS 12 2210270-2210280

Two-semester course, grade level 12
Prerequisite: District approval required for this offering

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. The course promotes independence and literacy by focusing on reading, writing, speaking, and listening. The course can be taken multiple times as the student moves toward proficiency in these areas.

LANGUAGE ARTS BLOCK**ELECTIVE 1-2 4241000-4242000****ENGLISH 1-2 4243000-4244000**

Two-semester course, grade level 9
Prerequisite: None

This two-hour block course addresses the same standards and goals as English 1-2 and includes all communication processes. Instruction emphasizes a student-centered approach to language arts using a reader/writer workshop model. Individual and small-group work focuses on critical reading, extended time for independent reading, and production of authentic writing products. Students receive one credit for English 1-2 and one English elective credit.

ENGLISH ELECTIVES

These courses do not fulfill the four-year English requirement.

AP RESEARCH 1-2 0190010-0190020

Two-semester course
Prerequisite: None

This course allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a yearlong mentored, research-based investigation to address a research question.

COLLEGE AND CAREER READINESS: ENGLISH 2200470

One-semester course, grade level 10, 11, 12
Prerequisite: 10th-12th grade Lexile score of 650-1100.

This course will prepare students who need additional assistance to meet or exceed mastery on the fiction and non-fiction reading and writing portions of standardized tests.

**COLLEGE AND CAREER READINESS:
ADVANCED****2200200**

One-semester course, grade level 9, 10, 11, 12
Prerequisite: Lexile score above 1100

This course will prepare students to achieve highly proficient or exceeds on the reading and writing portions of standardized tests. Honors credit.

COMPOSITION FOR COLLEGE**4213000**

One-semester course, grade level 11, 12
Prerequisite: Two units of English

The purpose of the course is the development of mature writing. Special attention is given to preparation for college English, including research paper, grammar, written interpretation of literature and information about college assignments, requirements and programs.

CREATIVE WRITING 1-2 H**0160050-0160060**

Two-semester course, grade level 11, 12
Prerequisite: Two units of English

Creative writing is for those who wish to express themselves creatively and imaginatively in such literary forms as the short story, poem and one-act play. Individual interest and talent will determine the writer's field, but emphasis will be given to writing the short story.

ENGLISH INDEPENDENT STUDY 1-2**4287001-4288001**

Two-semester course, grade level 12
Prerequisite: Prior approval of the Principal, English Instructor and Instructional Leader

This program provides the opportunity for the advanced student, who ranks in the upper 25 percent of his/her class, to investigate and study independently an area of his/her own choosing in English. The student is provided with tools of inquiry and research methods and techniques.

JOURNALISM 1-2**4217000-4218000**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Journalism 1-2 is primarily a writing course designed to familiarize the student with the basic principles of journalism. It offers analytical study and experience in news writing, headline preparation, proofreading, copy reading and makeup.

**READING FOR COLLEGE,
CAREER AND LIFE 1-2****0100670-0100680**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None - But suggest over 650 Lexile

This course is designed to help students continue to grow their reading skills for success in high school courses. Students will also leave the course with the reading skills necessary to be successful on testing such as Pre-ACT, ACT, Accuplacer and state tests. Beyond high school, the course will help students gain the reading skills necessary for success in college, career and life. (Lexile 650-1100)

PUBLICATION:**LITERARY MAGAZINE 1-2****4261000-4262000****PUBLICATION:****LITERARY MAGAZINE 3-4****4263000-4264000****PUBLICATION:****LITERARY MAGAZINE 5-6****4265000-4266000****PUBLICATION:****LITERARY MAGAZINE 7-8****4267000-4268000**

Eight-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This course engages students in becoming skilled writers of prose written in a variety of disciplines and rhetorical contexts. Students learn to become writers who compose for a variety of purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing to be published. The course allows students to learn the elements of desktop publishing and provides an avenue for students to develop their technology skills.

PUBLICATION: NEWSPAPER 1-2**4221000-4222000****PUBLICATION: NEWSPAPER 3-4****4223000-4224000****PUBLICATION: NEWSPAPER 5-6****4225000-4226000****PUBLICATION: NEWSPAPER 7-8****4227000-4228000**

Eight-semester course, grade level 9, 10, 11, 12
Prerequisite: Journalism 1-2 or Instructor approval

Newspaper Publication is a course that enables the student to apply the writing and editing skills learned in journalism. The Newspaper Publication class writes, edits, and lays out the school newspaper. This course may be repeated for additional credit.

PUBLICATION: YEARBOOK 1-2**4231000-4232000****PUBLICATION: YEARBOOK 3-4****4233000-4234000****PUBLICATION: YEARBOOK 5-6****4235000-4236000****PUBLICATION: YEARBOOK 7-8****4237000-4238000**

Eight-semester course, grade level 9, 10, 11, 12
Prerequisite: Instructor approval

The major emphasis of Yearbook Publication is the production of a yearbook for the whole school. Techniques in good layout, copywriting and copy editing will be learned and practiced. Students will work together in a staff relationship and note the importance of meeting deadlines. This course may be repeated for additional credit.

SPEECH**4239000**

One-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This course encourages students to use the experience and knowledge they have about communicating with others and to build new communication skills. Students will learn to recognize and utilize research, organization, composition, delivery and evaluation. These goals will be accomplished through individual and group speaking experiences.

SPEECH AND DEBATE 1-2 H**6290600-6291600****SPEECH AND DEBATE 3-4 H****6292600-6293600****SPEECH AND DEBATE 5-6 H****6294600-6295600****SPEECH AND DEBATE 7-8 H****6296600-6297600**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This honors class is intended for all students who are interested in opportunities that cross interdisciplinary lines. A portfolio demonstrating honors competency and effort is required in order to receive the honors credit. This course is designed to provide a series of opportunities to allow students to achieve success in the skills associated with multiple speech and debate activities. Students will participate in the interpretation of literature, the writing of public address speeches, the creation of limited preparation writings, debates on various resolutions, and other activities associated with the forensic arts. Policy debate, Lincoln-Douglas debate, and Public Forum debate are all offered as options. All events require the development of research skills as well as multiple practices. Current and historical events provide a basis for some events. Advanced students will also have the ability to serve as mentors to less experienced participants. This course may be repeated for additional credit.

STUDIES IN LITERATURE 1**4247000**

One-semester course, grade level 11, 12
Prerequisite: Two units of English

The emphasis of this course is personal reading development. Each student will work out his/her own reading program for the semester with teacher guidance. Through teacher-student conferences, each student will be encouraged to deepen and broaden reading perspectives, interpret and analyze works read and respond to the reading orally and in writing.

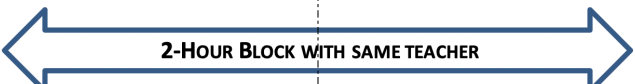
PXU STRUCTURED ENGLISH IMMERSION (SEI) MODELS

Arizona Revised Statute (A.R.S.) §15-756.01 requires that all English learners (EL) at the secondary level receive 100 minutes of English Language Development (ELD) instruction per day. The Arizona Department of Education requires EL students be placed in a SEI classroom that matches the level of proficiency the student scores on the Arizona English Language Learner Assessment (AZELLA).

Note: All teachers teaching a section under the SEI Model must hold an SEI, ESL or Bilingual endorsement in addition to their content area certification at the secondary level. All ELD teachers must hold English certification at the secondary level.

PRE-EMERGENT/EMERGENT NEWCOMER SEI MODEL				200 min.
PE/E ELD 1-2 1 PERIOD CLASS  0100690-0100700 ENGLISH CREDIT CLASS SIZE = 16	PE/E ELD 1-2 1 PERIOD CLASS 0100710-0100720 ENGLISH ELECTIVE CREDIT CLASS SIZE = 16	PE/E AMERICAN STUDIES 1-2 1 PERIOD CLASS 0100930-0100940 ENGLISH ELECTIVE CREDIT CLASS SIZE = 16	SCIENCE, MATH, FINE ART, HEALTH/ELECTIVE, OR CTE 1 PERIOD CLASS CORE CONTENT COURSE CODE CORE CONTENT CREDIT PREFERRED CLASS SIZE = 25	

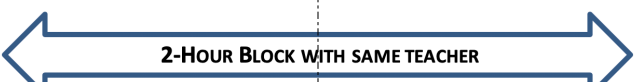


BASIC (Two-Hour SEI Model)		100 min.
BASIC ELD 1-2 1 PERIOD CLASS  0100730-0100740 ENGLISH CREDIT CLASS SIZE = 20	BASIC ELD 1-2 1 PERIOD CLASS 0100750-0100760 ENGLISH ELECTIVE CREDIT CLASS SIZE = 20	



INTERMEDIATE 1-2 (Two-Hour SEI Model)		100 min.
INT ELD 1-2 1 PERIOD CLASS  0100770-0100780 ENGLISH CREDIT CLASS SIZE = 24	INT ELD 1-2 1 PERIOD CLASS 0100790-0100800 ENGLISH ELECTIVE CREDIT CLASS SIZE = 24	



INTERMEDIATE 3-4 (Two-Hour SEI Model)		100 min.
INT ELD 3-4 1 PERIOD CLASS  0100810-0100820 ENGLISH CREDIT CLASS SIZE = 24	INT ELD 3-4 1 PERIOD CLASS 0100830-0100840 ENGLISH ELECTIVE CREDIT CLASS SIZE = 24	

PULL-OUT SEI MODEL		100 min.
ELD 1-2 1 PERIOD CLASS 0100850-0100860 ENGLISH CREDIT 0100870-0100880 ENGLISH ELECTIVE CREDIT	CONTENT AREA COURSE 1 PERIOD CLASS CONTENT AREA COURSE CODE CORE CONTENT CREDIT	

PULL-OUT SEI MODEL

Pull-Out ELD Model is utilized at campuses with smaller numbers of English learners. English learners are mixed proficiency levels in ELD 1-2 course.

Two-Hour SEI Model @ Small School		100 min.
ELD 3-4 90-MINUTE BLOCK CLASS 0100890-0100900 ENGLISH CREDIT 0100910-0100920 ENGLISH ELECTIVE CREDIT	ADVISORY Note: Need to utilize an extra 50 minutes of Advisory Time per week to meet 100 min. per day/500 min. per week requirement.	

TWO-HOUR SEI MODEL @ SMALL SCHOOLS

This Two-Hour SEI Model is utilized at campuses with a 9-week semester block schedule (i.e. Bostrom). English learners are mixed proficiency levels in course. This course could award English credit for graduation negating the need for students to be placed in a grade-level English course. If student does not need English credit for graduation, English elective credit could be awarded.

If numbers increase, EL students would need to assigned to ELD courses by proficiency level and English credit course

SEI MODEL COURSES

ELD COURSE REQUIREMENTS

PXU implements research-based Structured English Immersion (SEI) program models to provide English Language Development (ELD) instruction for English Learners (EL). ELD instruction includes both high-quality integrated ELD and targeted ELD. English Learner (EL) students are placed in SEI program models based on assessment of English language proficiency according to state statute.

ELD 1-2

ENGLISH CREDIT 0100850-0100860
ELECTIVE CREDIT 0100870-0100880

Two-semester course: grade level 9, 10, 11, 12

Eligible students: AZELLA overall proficiency level of PE/E, Basic, or Intermediate

Prerequisite: None

This course receives an English credit or English elective credit.

This one-period course is designed for students of mixed English proficiency levels on AZELLA. In this course, students will use language across the four domains (reading, writing, listening and speaking) to understand how the English language functions through a content discipline lens. Students will receive explicit instruction in direct connection to rigorous, grade-level content that is culturally and linguistically appropriate and aligned to the Arizona English Language Proficiency Standards. Each semester students will earn one-half English credit or one-half elective credit.

ELD 3-4

ENGLISH CREDIT 0100890-0100900
ELECTIVE CREDIT 0100910-0100920

Two-semester course: grade level 9, 10, 11, 12

Eligible students: AZELLA overall proficiency level of PE/E, Basic, or Intermediate

Prerequisite: None

This course receives an English credit or English elective credit.

This block course is designed for students of mixed English proficiency levels on AZELLA. In this course, students will use language across the four domains (reading, writing, listening and speaking) to understand how the English language functions through a content discipline lens. Students will receive explicit instruction in direct connection to rigorous, grade-level content that is culturally and linguistically appropriate and aligned to the Arizona English Language Proficiency Standards. Each semester students will earn one-half English credit or one-half elective credit.

PRE-EMERGENT/EMERGENT

PE/E ELD 1-2

ENGLISH CREDIT 0100690-0100700
ELECTIVE CREDIT 0100710-0100720

Two-semester course: grade level 9, 10, 11, 12

Eligible students: AZELLA overall proficiency level of PE/E

Prerequisite: None

This course receives an English credit and an elective credit.

This two-period block course is designed for non-English proficient students with an AZELLA overall proficiency level of Pre-Emergent/Emergent (PE/E). In this course, students will use language across the four domains (reading, writing, listening and speaking) to understand how the English language functions through a content discipline lens. Students will receive explicit instruction in direct connection to rigorous, grade-level content that is culturally and linguistically appropriate and aligned to the Arizona English Language Proficiency Standards. Each semester students will earn one-half English credit and one-half elective credit. Students must also be enrolled in PE/E American Studies 1-2.

PE/E AMERICAN STUDIES 1-2

0100930-0100940

Two-semester course, grade level 9, 10, 11, 12

Eligible students: AZELLA overall proficiency level of PE/E

Prerequisite: None

This course receives an elective credit.

This one-period course is designed for non-English proficient students with an AZELLA overall proficiency level of Pre-Emergent/Emergent (PE/E). This course is an introduction to the history, government and geography of our local community, the state of Arizona and the United States. With the use of scaffolded supports, differentiated academic language development, collaborative discussions, reading and writing, students will develop disciplinary content knowledge, language and autonomy. The curriculum is aligned with the Arizona History and Social Science Standards and the Arizona English Language Proficiency Standards. Each semester students will earn one-half elective credit. Students must also be enrolled in PE/E ELD 1-2.

BASIC

BASIC ELD 1-2

ENGLISH CREDIT 0100730-0100740
ELECTIVE CREDIT 0100750-0100760

Two-semester course: grade level 9, 10, 11, 12

Eligible students: AZELLA overall proficiency level of Basic

Prerequisite: None

This course receives an English credit and an elective credit.

This two-period block course is designed for limited-English proficient students with an AZELLA overall proficiency level of Basic. In this course, students will use language across the four domains (reading, writing, listening and speaking) to understand how the English language functions through a content discipline lens. Students will receive explicit instruction in direct connection to rigorous, grade-level content that is culturally and linguistically appropriate and aligned to the Arizona English Language Proficiency Standards. Each semester students will earn one-half English credit and one-half elective credit.

INTERMEDIATE 1-2

INT ELD 1-2

ENGLISH CREDIT 0100770-0100780
ELECTIVE CREDIT 0100790-0100800

Two-semester course: grade level 9, 10, 11, 12

Eligible students: AZELLA overall proficiency level of Intermediate for the first time in PXU

Prerequisite: None

This course receives an English credit and an elective credit.

This two-period block course is designed for limited-English proficient students with an AZELLA overall proficiency level of Intermediate for the first time in PXU. In this course, students will use language across the four domains (reading, writing, listening and speaking) to understand how the English language functions through a content discipline lens. Students will receive explicit instruction in direct connection to rigorous, grade-level content that is culturally and linguistically appropriate and aligned to the Arizona English Language Proficiency Standards. Each semester students will earn one-half English credit and one-half elective credit.

INTERMEDIATE 3-4

INT ELD 3-4

ENGLISH CREDIT 0100810-0100820

ELECTIVE CREDIT 0100830-0100840

Two-semester course: grade level 10, 11, 12

Eligible students: AZELLA overall proficiency level of Intermediate for two or more years in PXU

Prerequisite: INT ELD 1-2

This course receives an English credit and an elective credit.

This two-period block course is designed for limited-English proficient students with an AZELLA overall proficiency level of Intermediate for two or more years in PXU. In this course, students will use language across the four domains (reading, writing, listening and speaking) to understand how the English language functions through a content discipline lens. Students will receive explicit instruction in direct connection to rigorous, grade-level content that is culturally and linguistically appropriate and aligned to the Arizona English Language Proficiency Standards. Each semester students will earn one-half English credit and one-half elective credit.

JROTC

JROTC INTRODUCTION TO LEADERSHIP

EDUCATION & TRAINING

FIRST YEAR (LET-I) 1-2 5101000-5102000

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: None

This course is an introduction to responsible citizenship and discipline designed to provide the student with a broad overview of JROTC, development of self-confidence, role of a leader, teamwork and basic communication skills. Membership in drill, rifle team or adventure training activities are available.

JROTC INTERMEDIATE LEADERSHIP

EDUCATION & TRAINING

SECOND YEAR (LET-2) 1-2 5103000-5104000

Two-semester course, grade level 10, 11, 12

Prerequisite: LET 1

This course is a continuation and broadening of the JROTC motivational skills and knowledge gained in LET-1 designed to increase the students' awareness of group behavior, respect for authority and basic organizational concepts of unit operations. Successful completion includes meeting the PXU Health Graduation requirement.

JROTC APPLIED LEADERSHIP

EDUCATION & TRAINING

THIRD YEAR (LET-3) 1-2 5105000-5106000

Two-semester course, grade level 11, 12

Prerequisites: LET 1, 2

This course provides an expansion of the knowledge gained in LET-1 and LET-2 and is designed to permit students to exercise quality leadership over their respective JROTC unit activities. Historical perspectives of the United States Army are presented as well as material on service career opportunities.

JROTC APPLIED LEADERSHIP

EDUCATION & TRAINING

THIRD YEAR (LET-3) 1-2 H 5105600-5106600

Two-semester course, grade level 12

Prerequisites: LET 2 and Instructor permission

This course is for selected third-year students who are assigned to specific leadership and battalion staff positions. It builds on the skills and experiences garnered in the first two years and provides special leadership challenges and opportunities.

JROTC ADVANCED LEADERSHIP

EDUCATION & TRAINING

FOURTH YEAR (LET-4) 1-2

5107000-5108000

Two-semester course, grade level 12

Prerequisites: LET 1, 2, 3

The capstone of the JROTC leadership program is designed to place selected students in responsible leadership roles where they can exercise previously gained skills and knowledge. The program is flexible enough to permit the cadet leader and his/her staff to plan, organize and execute all activities of the unit.

JROTC ADVANCED LEADERSHIP

EDUCATION & TRAINING

FOURTH YEAR (LET-4) 1-2 H

5107600-5108600

Two-semester course, grade level 12

Prerequisites: LET 3 and Instructor permission

This capstone course is for selected fourth year students who have demonstrated the ability and potential to succeed in the key command and staff positions in the cadet battalion. Students will perform across the wide range of leadership responsibilities. Students offered Dual Enrollment with MCCD for Management 175.

MATH COURSE SEQUENCE

Students must successfully complete 4 units of mathematics to minimally include Algebra 1-2, Geometry, and Algebra 3-4.

Arizona university admission for mathematics requires a passing grade of C in Algebra 1-2 (H), Geometry 1-2 (H), Algebra 3-4 (H), and one (1) additional math credit for which Algebra 3-4 is a prerequisite.

Incoming Freshman are placed in mathematics courses according to their 7th and 8th grade mathematics state assessment performance, 8th grade teacher recommendation, and scores on the Algebra and Geometry Qualifying Test.

MATH COURSE SEQUENCE			
Placement Recommendation	Recommended for Algebra	Passed AQT in 8th grade	passed AQT in 7th grade and GQT in 8th grade.
9th grade	Algebra 1-2 or Algebra 1-2 H (IB)	Geometry 1-2 or Geometry 1-2 H (IB)	Algebra 3-4 or Algebra 3-4 H
10th grade	Geometry 1-2 or Geometry 1-2 H (IB)	Algebra 3-4 or Algebra 3-4 Honors	4th credit options*
11th grade	Algebra 3-4 or Algebra 3-4 H	Pre-Calculus 1-2 H or 4th credit options*	4th credit options*
12th grade	4th credit options*	4th credit options*	4th credit options*

*4th credit options: Pre-Calculus 1-2 Honors, AP Statistics, Statistics, College Algebra, Advanced Mathematical Decision Making, AP Calculus, and Financial Algebra.

Students who fail one or more semesters of a course must complete available credit recovery options or they may not progress to the next course.

MATHEMATICS

ALGEBRA 1-2

5321000-5322000

Two-semester course, grade level 9, 10
Meets PXU and Arizona Mathematics Standards graduation requirements
Meets mathematics admission requirements of Arizona universities

This course is designed to prepare students to meet the AZ Math Standards graduation requirement and provide students with the mathematical background necessary to meet college entrance requirements. Concept units include solving, graphing and writing linear functions, system of equations, exponents, radicals, polynomials, quadratics and statistics. Students who have previously received credit for Algebra 1-2 H may not receive credit for Algebra 1-2.

ALGEBRA 1-2 H

5321600-5322600

Two-semester course, grade level 9, 10
Meets placement criteria on standardized test
Meets PXU and Arizona Mathematics Standards graduation requirements
Meets mathematics admission requirements of Arizona universities

This is the first course of a four-year program in the Honors sequence designed to prepare students for careers in mathematics, science, engineering or related fields. Concept units are similar to those in Algebra 1-2, and focus on tasks that are inquiry based and more in depth. This course is an integration of technology, inquiry-based learning, critical thinking, with a culminating capstone project. Students who receive credit for Algebra 1-2 H may not also receive credit for Algebra 1-2 or Introduction to Algebra 1-2.

FOUNDATION OF ALGEBRA 1-2

0210110-0210120

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval
Meets PXU and Arizona Mathematics Standards graduation requirements

Foundations of Algebra is designed to give students the fundamental skills necessary to succeed in Algebra 1-2. It is a pivotal course in an alternate series offered to meet math credit requirements. This course focuses on teaching students the foundations of algebra, operations with fractions, positive and negative numbers, ratio and proportionality, expressions, equations, and exponents, and relationships with graphs. This course may be repeated for credit.

GEOMETRY 1-2

5331000-5332000

Two-semester course, grade level 9, 10, 11
Prerequisite: Algebra 1-2
Meets PXU and Arizona Mathematics Standards graduation requirements
Meets mathematics admission requirements of Arizona universities

This course, with its prerequisites, is designed to prepare students to meet the AZ Mathematics Standards graduation requirement, and provide students with the mathematical background necessary to meet college entrance requirements. Concept units include foundations and tools for geometry, constructions, introduction to transformational geometry, proving geometric theorems, triangle congruence, quadrilaterals, similarity, trigonometry, two and three dimensional figures, and circles. Students who have previously received credit for Geometry 1-2 H may not also receive credit for Geometry 1-2.

GEOMETRY 1-2 H

5331600-5332600

Two-semester course, grade level 9, 10, 11

Prerequisite: Algebra 1-2 H or Algebra 1-2 with a grade of C or better
Meets PXU and Arizona Mathematics Standards graduation requirements

Meets mathematics admission requirements of Arizona universities

This is the second course of the honors sequence. This course is designed to provide students with the mathematical background necessary for careers in science, mathematics or engineering. Concept units are similar to those in Geometry 1-2 and focus on tasks that are inquiry based and more in depth. This course is an integration of technology, inquiry-based learning, critical thinking, with a culminating capstone project. Students who have previously received credit for Geometry 1-2, may not also receive credit for Geometry 1-2 H.

ALGEBRA 3-4

5341000-5342000

Two-semester course, grade level 10, 11, 12

Prerequisite: Geometry 1-2

Meets PXU and Arizona Mathematics Standards graduation requirements

Meets math admission requirements of Arizona universities

This course is designed to provide students with the mathematical background necessary to meet college entrance requirements and is aligned with the Arizona Mathematics Standards. Concept units include Linear Functions and Equations, Quadratic Functions and Equations, Polynomial and Rational Functions and Equations, Exponential Functions and Equations, Trigonometric Functions, Modeling Functions, Statistics, and Probability. Students who have previously received credit for Algebra 3-4 H may not receive credit for Algebra 3-4. Students entering the ninth grade in 2009-2010 and later must successfully complete at least four (4) units of mathematics and one of the credits must be equivalent to Algebra 3-4.

ALGEBRA 3-4 H

5341600-5342600

Two-semester course, grade level 9, 10, 11

Prerequisite: Geometry 1-2 H or Geometry 1-2 with a grade of C or better

Meets PXU and Arizona Mathematics Standards graduation requirements

Meets mathematics admission requirements of Arizona universities

This is the third course of the honors sequence. This course is designed to provide students with the mathematical back-ground necessary to prepare students for careers in science, mathematics or engineering and is aligned with the Arizona College and Work Readiness Mathematics Standards. Concepts units are similar to those in Algebra 3-4, and focus on tasks that are inquiry-based and more indepth. Additional concept units include quadratics and conics, trigonometric graphs, identities and equations. This course is an integration of technology, inquiry-based learning, critical thinking, with a culminating capstone project. Students who have previously received credit for Algebra 3-4 may not receive credit for Algebra 3-4 H.

COLLEGE ALGEBRA 1-2

0200250-0200260

Two-semester course, grade level 10, 11, 12

Prerequisite: Algebra 3-4

Meets PXU and Arizona Mathematics Standards graduation requirements

Meets mathematics admission requirements of Arizona universities

This course is aligned with the AZ Mathematics Standards and fulfills the fourth mathematics credit needed for graduation. This is a course where the fundamental skills of mathematics will be applied to such topics of study as functions including, but not limited to, absolute value, quadratic, polynomial, rational, logarithmic, and exponential, systems of equations, probability, set theory, statistics, geometry and matrices. Students will gain a working knowledge of college-level mathematics and its application to real-life problems. Emphasis on understanding mathematical concepts and their applications to real-life problems. There is an emphasis on understanding mathematical concepts and their applications.

DISCRETE MATHEMATICS WITH MODELING 1-2

6288000-6289000

Two-semester course, grade level 11, 12

Prerequisite: Algebra 3-4 or Algebra 3-4 H or equivalent or Instructor recommendation

Meets PXU and Arizona Mathematics Standards graduation requirements

Meets mathematics admission requirements of Arizona universities

This course is aligned with the AZ Mathematics Standards and fulfills the fourth mathematics credit needed for graduation. This is a course where students will make connections and build relationships through the study of mathematical structures, integrating technology to assist in developing algorithms. Concept units include Algebra Modeling, Data Modeling, Probability and Combinatorics, Vertex-Edge Graphs, and Analysis of Change. Depending on individual test scores, students may earn dual college credit for this course.

FINANCIAL ALGEBRA 1-2

0200230-0200240

Two-semester course, grade level 12

Prerequisite: Algebra 3-4

Meets PXU and Arizona Mathematics Standards graduation requirements

Meets mathematics admission requirements of Arizona universities

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.

AP CALCULUS AB 1-2

5391900-5392900

Two-semester course, grade level 11, 12

Prerequisite: Pre-Calculus 1-2 H or Accelerate to Calculus Honors (summer course)

Meets PXU and Arizona Mathematics Standards graduation requirements

Meets mathematics admission requirements of Arizona universities

AP Calculus AB follows the recommendations of the College Entrance Examination Board for the Advanced Placement program in mathematics and parallels the college calculus course. Due to the rigor of the AP program, this course receives honors credit. Depending on individual test scores, students may earn dual or advanced placement college credit for this course.

AP CALCULUS BC 1-2

5393900-5394900

Two-semester course, grade level 11, 12

Prerequisite: AP Calculus AB or Calculus I 1-2 H

Meets PXU and Arizona Mathematics Standards graduation requirements

Meets mathematics admission requirements of Arizona universities

AP Calculus BC is designed to prepare students for the BC level of the Advanced Placement Examination in Mathematics. The curriculum follows the syllabus established by the College Board for Calculus BC and parallels a college calculus course. Due to the rigor of the AP program, this course receives honors credit. Depending on individual test scores, students may earn dual or advanced placement college credit for this course.

AP STATISTICS 1-2

5329900-5330900

Two-semester course, grade level 11, 12

Prerequisite: Algebra 3-4 or Algebra 3-4 H with grade of C or better
Meets PXU and Arizona Mathematics Standards graduation requirements

Meets mathematics admission requirements of Arizona universities

AP Statistics is designed to prepare students for the Statistics Advanced Placement Examination in Mathematics. The curriculum follows the syllabus established by the College Board for Statistics and parallels a college introductory statistics course. Due to the rigor of the AP program, this course receives honors credit. Depending on the individual test scores, students may earn dual or advanced placement college credit for this course.

TRIGONOMETRY 1-2

5339000-5340000

Two-semester course, grade level 11, 12

Prerequisite: Algebra 3-4 or Algebra 3-4 H

Meets PXU and Arizona Mathematics Standards graduation requirement

Meets mathematics admission requirements of Arizona universities

This course is aligned with the Arizona College and Work Readiness Mathematics Standards and meets the fourth mathematics credit needed for graduation. This course prepares students for further studies in mathematics or for work in technical fields. Students learn the six trigonometric functions and demonstrate their use in the identities, inverse functions, radian measures, and special triangles. This course provides students with a background in both circular and periodic trigonometric functions. Its usefulness will be found in upper level math courses as well as several technical fields. Further, it will prepare students for items that will be encountered on college entrance exams and/or placement tests. Depending on the individual test scores, students may earn dual college credit for this course.

MATHEMATICAL APPLICATIONS IN PHYSICS 1-2

0260210-0260220

Two-semester course, grade level 12

Prerequisite: Algebra 3-4 or Concurrent: Biology 1-2

Mathematical applications in physics 1-2 is a fourth year applied math course designed for students who may go to college. Topics include: motion, forces, energy, waves, light, electricity, magnetism, radioactivity, mechanical energy, nuclear physics, and alternative energy sources. Major concepts are introduced through laboratory experiences.

MATHEMATICAL APPLICATIONS IN PHYSICS 1-2 H

0260190-0260200

Two-semester course, grade level 12

Prerequisite: Algebra 3-4 or Concurrent: Biology 1-2

Mathematical applications in physics 1-2 honors is a fourth year applied math course designed for students who would like to access a more challenging and rigorous applied math curriculum and may go to college. Topics include: motion, forces, energy, waves, light, electricity, magnetism, radioactivity, mechanical energy, nuclear physics, and alternative energy sources. Major concepts are introduced through laboratory experiences.

ALGEBRA READINESS SKILLS 1-2

2210310-2210320

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: District approval required for this offering

Algebra Readiness Skills is the beginning course in an alternate series offered to meet math credit requirements. The class addresses the core of student difficulty in algebra by focusing on readiness skills involving number sense, expressions, equations, properties, variables, ratios, proportions, and graphing. Coursework will focus using cooperative learning, problem-solving strategies and critical thinking skills to teach the conceptual understanding of basic skills necessary for success in algebra. May be repeated for credit.

ALGEBRA SKILLS 1-2

0210090-0210100

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: District approval required for this offering

Algebra Skills is the second course in an alternate series offered to meet math credit requirements. This course teaches functional algebraic concepts, which include solving expressions and simple equations, as well as graphing, exponents, and statistics. Coursework will continue building on cooperative learning techniques, problem-solving strategies, and critical thinking skills. May be repeated for credit.

GEOMETRY SKILLS 1-2

0210070-0210080

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: District approval required for this offering

Geometry Skills is the third course in an alternate series offered to meet math credit requirements. This class teaches the foundations of geometric principles, including both plane and solid geometry concepts, using points, lines, angles, surfaces, and solids. Coursework will continue building on cooperative learning techniques, problem-solving strategies, and critical thinking skills. May be repeated for credit.

FUNCTIONAL MATHEMATICS 9

0210130-0210140

Two-semester course, grade level 9

Prerequisite: District approval required for this offering

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. The course promotes independence by focusing on number systems, pre-algebraic concepts, algebra concepts, geometric concepts, graphing, and statistics. The course can be taken multiple times as the student moves toward proficiency in these areas.

FUNCTIONAL MATHEMATICS 10

0210130-0210140

Two-semester course, grade level 10

Prerequisite: District approval required for this offering

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. The course promotes independence by focusing on number systems, pre-algebraic concepts, algebra concepts, geometric concepts, graphing, and statistics. The course can be taken multiple times as the student moves toward proficiency in these areas.

FUNCTIONAL MATHEMATICS 11 0210130-0210140

Two-semester course, grade level 11
Prerequisite: District approval required for this offering

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. The course promotes independence by focusing on number systems, pre-algebraic concepts, algebra concepts, geometric concepts, graphing, and statistics. The course can be taken multiple times as the student moves toward proficiency in these areas.

FUNCTIONAL MATHEMATICS 12 0210130-0210140

Two-semester course, grade level 12
Prerequisite: District approval required for this offering

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. The course promotes independence by focusing on number systems, pre-algebraic concepts, algebra concepts, geometric concepts, graphing, and statistics. The course can be taken multiple times as the student moves toward proficiency in these areas.

STATISTICS 1-2 0200270-0200280

Two-semester course, grade level 10, 11, 12
Prerequisites: None

This course teaches students how to use the four-step process of statistics properly in the context of current real-world issues, events, and examples. Students will ask proper questions, collect data, analyze data, and make appropriate conclusions about their data based on the four-step process. Every chapter will build off the previous one, and be focused on at least one part of the four-step process. Throughout this course, the topics and content covered will primarily lead students to a strong foundation in the principles of statistical reasoning.

**ADVANCED MATHEMATICAL
DECISION MAKING 1-2 0200190-0200200**

Two-semester course, grade level 12
Prerequisite: Algebra 3-4

Advanced mathematical decision-making is a mathematics course for high school seniors that follows Algebra I, Geometry, and Algebra II. It builds on, and extends what students have learned and covers a range of mathematics topics that are not part of most school mathematics programs. The course does not remediate skills from the first three years of high school mathematics, but it reinforces needed skills as students study new topics in relevant, engaging contexts. The course also helps students develop college and career skills such as collaborating, conducting research, and making presentations.

MATHEMATICS ELECTIVES

NEWCOMER MATHEMATICS 5301008-5302008

Two-semester course, grade level 9
Does not meet PXU and Arizona Math Standards graduation requirements
Does not meet mathematics admission requirements of Arizona universities

Newcomer Mathematics is designed to enable newly immigrated students who have not received adequate instruction in basic mathematics to master the skills which are prerequisite to Introduction to Algebra. The course covers the skills typically taught in grades 1 through 8 in Arizona schools. Only elective mathematics credit is awarded for this course.

ALGEBRA LABORATORY 1-2 5307000-5308000

Two-semester course, grade level 9
Does not meet PXU and Arizona Math Standards graduation requirements
Does not meet mathematics admission requirements of Arizona universities

Algebra Lab will provide more instruction time using a hands-on approach for the student who needs additional mathematics support in Algebra 1-2. Students will be placed in Algebra Lab 1-2 according to 8th grade teacher recommendations, parent/student requests, test results and/or 9th grade teacher recommendations. Only elective math credit is awarded for this course. Students will receive a Proficient or Not Proficient mark (P/NP).

ALGEBRA LABORATORY 3-4 5319000-5320000

Two-semester course, grade level 11, 12
Does not meet PXU and Arizona Math Standards graduation requirements
Does not meet mathematics admission requirements of Arizona universities

Algebra Lab 3-4 is a course that will explore and discover mathematical concepts in order to provide a deeper understanding for Algebra 3-4 and beyond. Students will explore the foundational concepts of Algebra 3-4 with the use of technology and collaborative learning. The lab will provide more instruction time using a hands-on-approach for the student that needs additional math support in Algebra 3-4. Students will be recommended for this course by their Geometry teacher, based on their Algebra and Geometry experience. Only elective math credit is awarded for this course. Students will receive a Proficient or Not Proficient mark (P/NP).

GEOMETRY LAB 1-2 6304000-6305000

Two-semester course, grade level 10, 11, 12
Prerequisite: Successful completion of Algebra 1-2
Does not meet PXU and Arizona Math Standards graduation requirements
Does not meet mathematics admission requirements of Arizona universities

Geometry Lab will provide more instruction time using a hands-on approach for the student who needs additional mathematics support in Geometry. Students will be placed in Geometry 1-2 as well as in Geometry Lab. Only elective math credit is awarded for this course. Students will receive a Proficient or Not Proficient mark (P/NP).

**MATHEMATICS INDEPENDENT
STUDY 1-2 5387001-5388001**

Two-semester course, grade level 12
Prerequisite: Prior approval of the Principal, Mathematics Instructor and Instructional Leader
Does not meet PXU and AIMS graduation requirements
Does not meet mathematics admission requirements of Arizona universities

Mathematics Independent Study 1-2 provides the opportunity for the advanced student to investigate and study independently an area of his or her own choosing in mathematics. Specific requirements for credit are determined by the student, teacher, department chairperson and principal. The student must follow District procedures for independent study and should consult with the counseling department.

**ACCELERATE TO CALCULUS HONORS
(SUMMER) 5313000**

Summer School offering for grade level 10, 11, 12
One-semester course
Does not meet PXU and AIMS graduation requirements
Does not meet mathematics admission requirements of Arizona universities

Accelerate to Calculus is a summer course that is an introduction to AP Calculus. This course provides students foundational skills necessary for the successful completion of AP Calculus. Topics include linear models, functions, trigonometry, finding and evaluating limits, and infinite limits. Students who have successfully completed Algebra 3-4 or Algebra 3-4 Honors and want to take Calculus or students who have successfully passed Pre-Calculus and would like some extra support before they take AP Calculus AB, may enroll in this summer school course.

PERFORMING ARTS

FINE ARTS GRADUATION REQUIREMENT

Students are placed in performing arts courses based on two criteria: First, the student's ability, skill, and knowledge level; and second, the student's semester in that specific performing art program. Students do not necessarily start with a beginning level course within the program; they are placed in the course level based on the above criteria. One unit (Two-semesters) of any Performing Arts course will satisfy the PXU graduation requirement of 1.0 credit in Fine Arts.

FUNCTIONAL PERFORMING ARTS EXPLORATION FOR EXCEPTIONAL LEARNERS 1-2 0510010-0510020

This course is designed to give students an appreciation of and experience in performing arts. They will learn performance skills in music, dance, and theatre. No previous experience is necessary, and the school will provide all equipment necessary. Students will participate in performances for their peers and the school community. Course may be repeated for credit.

DANCE

BEGINNING DANCE 1-2 5401000-5402000

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: None

This one-year course, designed for the beginning level dancer, introduces basic techniques in ballet, modern and jazz, as well as improvisation, choreography and concert production. This is a fun, challenging, active course emphasizing all aspects of the art of dance. Class activities will include performances and written assignments. This course demands a high level of effort and commitment while encouraging enjoyment of creative expression. Students must complete and pass semester one in order to participate in semester two, or with the approval of the instructor. Course may be repeated for credit, but not grade replacement.

INTERMEDIATE DANCE 1-2 5403000-5404000

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Beginning Dance or Instructor approval

This one-year course provides continued study for dance students who have achieved basic levels of skill, technique and knowledge in ballet, modern, jazz, improvisation and dance composition. Emphasis is placed on student choreography, performance and ongoing artistic growth. This course demands a high level of effort and commitment while encouraging enjoyment of creative expression. Students must complete and pass semester one in order to participate in semester two, or with the approval of the instructor. Course may be repeated for credit, but not grade replacement.

ADVANCED DANCE 1-2 6189000-6190000

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Intermediate Dance or Instructor approval

This course is for students with extensive experience in dance. The course addresses the dance standards at the advanced level and demands a high level of effort and commitment while encouraging enjoyment of creative expression. Students will create, perform and analyze electronic and live performances. History, culture, and technology will be examined as they are woven throughout the course and career opportunities will be explored. Students will be expected to accomplish in-depth research, analysis, reflection, applications, and production/performances. Students must complete and pass semester one in order to participate in semester two, or with the approval of the instructor. Course may be repeated for credit, but not grade replacement.

COMPANY DANCE 1-2 H

6191600-6192600

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Advanced Dance or Instructor approval

This course is for students with extensive experience in dance. The course addresses the dance standards at the distinction level and demands a high level of effort and commitment while encouraging enjoyment of creative expression. Students will create, perform and analyze electronic and live performances. History, culture, and technology will be examined as they are woven throughout the course and career opportunities will be explored. Students will be expected to accomplish in-depth research, analysis, reflection, applications, and production/performances. For honors credit, additional performance opportunities and higher level creative processes are expected. Students must complete and pass semester one in order to participate in semester two, or with the approval of the instructor. Course may be repeated for credit, but not grade replacement.

FOLKLORICO 1-2 FOLKLORICO 3-4

6616000-6617000
6618000-6619000

Two-semester course
\$10.00 Fee Per Semester
Prerequisite: None
Does not meet fine arts admission requirement of Arizona universities

This one year course is designed for the beginning level dancer. Students will be introduced to traditional folklorico dancing techniques and choreography. Students will also learn about the history and meaning of the traditional dances so that they have a better understanding of the Mexican culture. This class requires a high level of effort and commitment while encouraging enjoyment of traditional Mexican dancing. Course may be repeated for credit, but not grade replacement.

THEATRE ARTS

BEGINNING ACTING 1-2 0500590-0500600

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: None

The purpose of this year-long course is to give the student an appreciation of and experience in theatre as an art form. The student will act in pantomimes, plays and play cuttings. Students will be introduced to technical theatre history and culture. The student will read, write, direct and evaluate plays as well as view and discuss electronic and live performances. This course demands a high level of effort and commitment while encouraging enjoyment of creative expression. Course may be repeated for credit, but not grade replacement.

INTERMEDIATE ACTING 1-2 0500610-0500620

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Intro to Theatre Arts or Instructor approval

The purpose of this year-long course is to give the student an increased appreciation of and additional experience in theater as an art form. The student will act, direct, or be technically involved in scenes, one-act plays or full length productions. Students will read, write and evaluate plays as well as view and critique electronic plays and live performances. History, culture and technology will be examined and career opportunities will be explored. Through creating theatre, students will grow in their ability to comprehend the world and to communicate with others. This course demands a high level of effort and commitment while encouraging enjoyment of creative expression. Course may be repeated for credit, but not grade replacement.

ADVANCED ACTING AND DIRECTING 1-2

0500630-0500640

Two-semester course, grade level 9, 10, 11, 12

\$10.00 Fee Per Semester

Prerequisite: Intermediate Theatre Arts or Instructor approval

This course is for students with extensive experience in theatre. The course addresses the theatre standards at the intermediate, advanced and distinction levels and demands a high level of effort and commitment while encouraging enjoyment of creative expression. Students will read, write and analyze electronic and live performances. History, culture, and technology will be examined as they are woven throughout the course and career opportunities will be explored. Students will be expected to accomplish in-depth research, analysis, reflection, applications, and production/performances. Course may be repeated for credit, but not grade replacement.

THEATRE PRODUCTION 1-2 H

6195000-6196000

Two-semester course, grade level 9, 10, 11, 12

\$10.00 Fee Per Semester

Prerequisite: Advanced Theatre Arts or Instructor approval

This course is for students with extensive experience in theatre. The course addresses the theatre standards at the intermediate, advanced and distinction levels and demands a high level of effort and commitment while encouraging enjoyment of creative expression. Students will read, write and analyze electronic and live performances. History, culture, and technology will be examined as they are woven throughout the course and career opportunities will be explored. Students will be expected to accomplish in-depth research, analysis, reflection, applications, and production/performances. For honors credit, additional performance and leadership opportunities and higher level creative processes are expected. Course may be repeated for credit, but not grade replacement.

BEGINNING TECHNICAL THEATRE 1-2

0500390-0500400

Two-semester course, grade level 9, 10, 11, 12

\$10.00 Fee Per Semester

Prerequisite: None

Technical Theatre deals with the principles and techniques of set design, scenery and property construction, stage lighting, costuming and makeup. Practical experience is provided in each area of behind-the-scenes production.

INTERMEDIATE TECHNICAL THEATRE 1-2

6214000-6215000

Two-semester course, grade level 9, 10, 11, 12

\$10.00 Fee Per Semester

Prerequisite: Beginning Technical Theatre 1-2 or Instructor approval

This course is intended for students who are experienced with the techniques of set and lighting design, costume and make up design, and construction. Students will occasionally work with the school's performances. Students must complete and pass semester one in order to participate in semester two, or with the approval of the instructor. Course may be repeated for credit, but not grade replacement.

ADVANCED TECHNICAL THEATRE 1-2

6216000-6217000

Two-semester course, grade level 9, 10, 11, 12

\$10.00 Fee Per Semester

Prerequisite: Intermediate Technical Theatre or Instructor approval

This course is intended for students who are experienced with the techniques of set and lighting design, costume and make up design, and construction and will be focused on an advanced level of standards. Students will occasionally work with the school's performances. Students must complete and pass semester one in order to participate in semester two, or with the approval of the instructor. Course may be repeated for credit, but not grade replacement.

TECHNICAL THEATRE DESIGN & PRODUCTION 1-2 H

6218600-6219600

Two-semester course, grade level 9, 10, 11, 12

\$10.00 Fee Per Semester

Prerequisite: Advanced Technical Theatre or Instructor approval

This course is intended for students who are experienced with the techniques of set and lighting design, costume and make up design, and construction and will be focused on a distinction level of standards. Students will occasionally work with the school's performances. Students must complete and pass semester one in order to participate in semester two, or with the approval of the instructor. For honors credit, additional performance and leadership opportunities and higher level creative processes are expected. Course may be repeated for credit, but not grade replacement.

MUSIC

NON-TRADITIONAL ENSEMBLE 1-2 0500750-0500760

Two-semester course, grade level 9-12

\$10.00 Fee Per Semester

Prerequisite: None

This class teaches the fundamentals of playing an instrument in a non-traditional ensemble. Please check with the instructor for the ensemble instrumentation: examples are Handbell Choir, Ukeleles, African Drumming, etc. No previous experience is necessary, and the school will provide an instrument if necessary. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. Course may be repeated for credit, but not grade replacement.

BEGINNING BAND 1-2

5431000-5432000

Two-semester course, grade level 9, 10, 11, 12

\$10.00 Fee Per Semester

Prerequisite: None

This beginning band course teaches the fundamentals of playing a band instrument. No previous experience is necessary and the school will provide an instrument if necessary. This course addresses the music standards at the foundations level. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. Course may be repeated for credit, but not grade replacement.

INTERMEDIATE BAND 1-2

5435000-5436000

Two-semester course, grade level 9, 10, 11, 12

\$10.00 Fee Per Semester

Prerequisite: Beginning Band or Instructor approval

This course is for students with experience playing an instrument. The course addresses the music standards at the intermediate level. Extra time is required for rehearsals and performances throughout the concert seasons. Enrollment in the class obligates students to participate in all scheduled activities of the band. Course may be repeated for credit, but not grade replacement.

MARCHING BAND 1-2

0500350-0500360

Two-semester course, grade level 9, 10, 11, 12

\$10.00 Fee Per Semester

Prerequisite: Instructor Approval

This course is for students with extensive experience playing an instrument. The course addresses the music standards at the advanced level. During the fall, students participate in the activities of the Concert/ Marching Band. Extra time is required for rehearsals and performances throughout the marching and concert seasons. Enrollment in the class obligates students to participate in all scheduled activities of the band. Students maintain their uniforms and provide appropriate shoes and socks. Students must complete semester one in order to participate in semester two, or with approval of the instructor. Course may be repeated for credit, but not grade replacement.

MARCHING BAND 1-2 H

0500350-0500360

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Instructor Approval

This course is for students with extensive experience playing an instrument. The course addresses the music standards at the advanced level. During the fall, students participate in the activities of the Concert/ Marching Band. Extra time is required for rehearsals and performance throughout the marching and concert seasons. Enrollment in the class obligates students to participate in all scheduled activities of the band. Students maintain their uniforms and provide appropriate shoes and socks. Students must complete semester one in order to participate in semester two, or with approval of the instructor. Course may be repeated for credit. For Honors credit, additional performance and leadership opportunities and higher level creative processes are expected.

SYMPHONIC BAND 1-2

0500170-0500180

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Intermediate Band or Instructor approval

This course is for students with extensive experience playing an instrument. The course addresses the music standards at the advanced level. Extra time is required for rehearsals and performances throughout the concert season. During the fall, students may be required to participate in the activities of the Marching Band. Enrollment in the class obligates students to participate in all scheduled activities of the band. Students maintain their concert uniform. Students must complete semester one in order to participate in semester two, or with the approval of the instructor. Course may be repeated for credit, but not grade replacement.

SYMPHONIC BAND 1-2 H

0560070-0560080

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Intermediate Band or Instructor approval

This course is for students with extensive experience playing an instrument. The course addresses the music standards at the advanced level. Students perform advanced repertoire including audition etudes and sight reading. Extra time is required for rehearsals and performances throughout the concert season. During the fall, students may be required to participate in the activities of the Marching Band. Enrollment in the class obligates students to participate in all scheduled activities of the band. Students maintain their concert uniform. Students must complete semester one in order to participate in semester two, or with the approval of the instructor. For Honors credit, additional performance and leadership opportunities and higher level creative processes are expected. Course may be repeated for credit, but not grade replacement.

BEGINNING JAZZ BAND 1-2

6833000-6834000

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Instructor approval. Students must be concurrently enrolled in a Marching Band or a Symphonic Band. With Instructor approval, guitar, keyboard and electric bass players may enroll in Band 1-2 without concurrent enrollment in a Marching Band or a Symphonic Band.

This course is for beginning students who are interested in jazz ensemble performance skills and the development of skills in improvisation. The course addresses the standards taught in Concert/ Marching Band 1-2. Students may occasionally perform in public with the group or in small ensembles. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. Course may be repeated for credit, but not grade replacement.

INTERMEDIATE JAZZ BAND 1-2

6841000-6842000

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Instructor approval. Students must be concurrently enrolled in a Marching Band or a Symphonic Band. With Instructor approval, guitar, keyboard and electric bass players may enroll in Band 3-4 Jazz without concurrent enrollment in Symphonic Band.

This course is for experienced students who are interested in jazz ensemble performance skills and the development of skills in improvisation. The course addresses the standards taught in Symphonic Band. Students may occasionally perform in public with the group or in small ensembles. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. Course may be repeated for credit, but not grade replacement.

ADVANCED JAZZ BAND 1-2 H

6849600-6850600

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Instructor approval. Students must be concurrently enrolled in a Marching Band or a Symphonic Band. With Instructor approval, players may enroll in Advanced Jazz Band without concurrent enrollment in a Marching Band or a Symphonic Band.

This course is for experienced students who are interested in jazz ensemble performance skills and the development of skills in improvisation. The course addresses the standards taught in Symphonic Band Honors. Students may occasionally perform in public with the group or in small ensembles. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. Students must complete and pass semester one in order to participate in semester two, or with the approval of instructor. For honors credit, additional performance and leadership opportunities and higher level creative processes are expected. Course may be repeated for credit, but not grade replacement.

JAZZ ENSEMBLE 1-2 H

6857600-6858600

JAZZ ENSEMBLE 3-4 H

6859600-6860600

JAZZ ENSEMBLE 5-6 H

6861600-6862600

JAZZ ENSEMBLE 7-8 H

6863600-6864600

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Instructor approval. Students must be concurrently enrolled in a Marching Band or a Symphonic Band. With Instructor approval, guitar, keyboard and electric bass players may enroll in Jazz Ensemble 1-2 H without concurrent enrollment in a Marching Band or a Symphonic Band.

This course is for experienced students who are interested in jazz ensemble performance skills and the development of skills in improvisation. The course addresses the standards taught in Symphonic Band Honors. Students may occasionally perform in public with the group or in small ensembles. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. Students must complete and pass semester one in order to participate in semester two, or with the approval of instructor. For honors credit, additional performance and leadership opportunities and higher level creative processes are expected. Course may be repeated for credit, but not grade replacement.

BEGINNING CHOIR 1-2

0500070-0500080

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: None

This course is designed as a vocal experience for students in which they sing for enjoyment, develop vocal skills and read and study a wide variety of choral music. Students will perform with the group in public and may perform in small ensembles. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. This course addresses the music standards at the Foundations level. Course may be repeated for credit, but not grade replacement.

INTERMEDIATE CHOIR 1-2 H 5443600-5444600

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Beginning Choir or Instructor approval

This course offers intermediate experience in choral singing. The choir provides opportunities for personal development through solo work, public performances and the study of a variety of choral literature. This course addresses the music standards at the Essentials level. Extra time is required for rehearsals and performances. Students must complete and pass semester one in order to participate in semester two, or with the approval of instructor. For honors credit, additional performance and leadership opportunities and higher level creative processes are expected. Course may be repeated for credit, but not grade replacement.

ADVANCED CHOIR 1-2 H 5445600-5446600

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Intermediate Choir or Instructor approval

This course offers advanced experience in choral singing. The choir provides opportunities for personal development through solo work, public performances and the study of a variety of choral literature. This course addresses the music standards at the advanced level. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. Students must complete and pass semester one in order to participate in semester two, or with the approval of instructor. For honors credit, additional performance and leadership opportunities and higher level creative processes are expected. Course may be repeated for credit, but not grade replacement.

VOCAL ENSEMBLE 1-2 H 5447600-5448600

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Advanced Choir or Instructor approval

This course offers advanced experience in choral singing. The choir provides opportunities for personal development through solo work, public performances and the study of a variety of choral literature. This course addresses the music standards at the Distinction level. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. For honors credit, additional performance and leadership opportunities and higher level creative processes are expected. Course may be repeated for credit, but not grade replacement.

VOCAL SOLO PREPARATION & PERFORMANCE 1-2 6406000-6407000

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Audition and Instructor approval

This course offers experience in vocal solo preparation and performance. The course provides opportunities for personal development through basic music skills, with an emphasis on solo work and public performances. This course offers an opportunity for students to explore careers throughout the music industry. The course addresses the Arizona Music Standards at the intermediate level. Extra time is required for rehearsals and performances. Course may be repeated for credit, but not grade replacement.

BEGINNING GUITAR 1-2 6897000-6898000

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: None

This beginning course in guitar teaches the fundamentals which enable a student to read music and to play the guitar. No previous experience is necessary. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. Students must complete semester one in order to participate in semester two, or with the approval of the Instructor. Course may be repeated for credit, but not grade replacement.

INTERMEDIATE GUITAR 1-2 6905000-6906000

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Beginning Guitar 1-2 or Audition

This course for the advanced guitar student develops advanced techniques and skills and increases knowledge and comprehension of music and technical proficiency in playing guitar. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. Course may be repeated for credit, but not grade replacement.

ADVANCED GUITAR 1-2 6913000-6914000

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Instructor approval

This course is intended for students who are experienced in playing guitar and will be focused on advanced standards in music. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. Students will occasionally perform in public with the group and in small ensembles. Students must complete and pass semester one in order to participate in semester two, or with the approval of the instructor. Course may be repeated for credit, but not grade replacement.

GUITAR ENSEMBLE 1-2 H 6921600-6922600

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Instructor approval

This course is intended for students who are experienced in playing guitar and will be focused on distinction level standards. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. Students will occasionally perform in public with the group and in small ensembles. Students must complete and pass semester one in order to participate in semester two, or with the approval of the instructor. For Honors credit, additional performance and leadership opportunities and higher level creative processes are expected. Course may be repeated for credit, but not grade replacement.

CONTEMPORARY MUSIC 1-2 0500570-0500580

Two-semester course, grade level 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Completion of one year of a music course and/or Instructor approval

Contemporary Music 1-2 is a performance-based course in which students create, arrange, and perform contemporary music for recording and live performance. Upon completion of the course, students will demonstrate proficiency on live instruments, software instruments, and voice. Course may be repeated for credit, but not grade replacement.

MARIACHI 1-2 6240000-6241000

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Instructor approval

This course will focus on the fundamentals and skills of Mariachi music. No previous experience is necessary and instruments will be provided by the school. Students will occasionally perform in public with the group and in small ensembles. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. Students must complete semester one in order to participate in semester two, or with the approval of the Instructor. Course may be repeated for credit, but not grade replacement.

BEGINNING ORCHESTRA 1-2

6865000-6866000

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: None

This beginning course in orchestra teaches the fundamentals of playing an orchestra instrument. No previous experience is necessary, and the school will provide an instrument if necessary. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. Students must complete semester one in order to participate in semester two, or with the approval of the Instructor. Course may be repeated for credit, but not grade replacement.

INTERMEDIATE ORCHESTRA 1-2

6873000-6874000

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Instructor approval

This course is intended for students who are experienced in playing an instrument. Students will occasionally perform in public with the group and in small ensembles. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. The school will provide an instrument if necessary. Course may be repeated for credit, but not grade replacement.

ADVANCED ORCHESTRA 1-2 H

6881600-6882600

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Instructor approval

This course is intended for students who are experienced in playing an instrument. Students will occasionally perform in public with the group and in small ensembles. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. Students must complete and pass semester one in order to participate in semester two, or with the approval of instructor. The school will provide an instrument if necessary. For honors credit, additional performance and leadership opportunities and higher level creative processes are expected. Course may be repeated for credit, but not grade replacement.

SYMPHONIC ORCHESTRA 1-2 H

6889600-6890600

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Instructor approval

This course is intended for students who are experienced in playing an instrument. Students will occasionally perform in public with the group and in small ensembles. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. Students must complete and pass semester one in order to participate in semester two, or with the approval of instructor. The school will provide an instrument if necessary. For honors credit, additional performance and leadership opportunities and higher level creative processes are expected. Course may be repeated for credit, but not grade replacement.

PERCUSSION ENSEMBLE 1-2

6248000-6249000

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Instructor approval

This course will focus on the fundamentals and skills of percussive instrumental music. No previous experience is necessary and instruments will be provided by the school. Enrollment in the class obligates students to participate in all scheduled activities of the ensemble. Extra time outside of the regular school day is expected of all students for rehearsals and performances throughout the year. Students will occasionally perform in public with the group and in small ensembles. Course may be repeated for credit, but not grade replacement.

BEGINNING PIANO 1-2

0500090-0500100

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: None

This beginning course in piano teaches the fundamentals of playing a keyboard instrument. No previous experience is necessary and the school provides an instrument for use in class. Course may be repeated for credit, but not grade replacement.

INTERMEDIATE PIANO 1-2

0500110-0500120

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Instructor approval

The course expands students' piano technique. All music standards are addressed including performance, improvisation, composing and arranging, notation, analysis and evaluation of music, and music history. In addition to the classical repertoire, students read, play and analyze music from various time periods and cultures. The school provides an instrument for use in class. Course may be repeated for credit, but not grade replacement.

ADVANCED PIANO 1-2

0500130-0500140

ADVANCED PIANO 1-2 H

0560030-0560040

Two-semester course, grade level 11, 12
\$10.00 Fee Per Semester
Prerequisite: Beginning and Intermediate Piano, or Instructor Approval

The course continues to expand students' piano technique. All music standards are addressed at a more advanced level, including performance, improvisation, composing and arranging, notation, analysis and evaluation of music, and music history. In addition to the classical repertoire, students read, play and analyze music from various time periods and cultures. For honors credit, additional performance opportunities, higher level music theory and ear training, and research assignments are expected. The school provides an instrument for use in class. Course may be repeated for credit, but not grade replacement.

PIANO DISTINCTION 1-2

0500150-0500160

PIANO DISTINCTION 1-2 H

0560050-0560060

Two-semester course, grade level 12
\$10.00 Fee Per Semester
Prerequisite: Piano 1-2, 3-4 and 5-6, or Instructor approval

This course continues to expand students' piano technique. All music standards are addressed at a distinction level, including performance, improvisation, composing and arranging, notation, analysis and evaluation of music, and music history. In addition to the classical repertoire, students read, play and analyze music from various time periods and cultures. For honors credit, additional performance opportunities, higher level music theory and ear training, and a final research project are expected. The school provides an instrument for use in class. Course may be repeated for credit, but not grade replacement.

AP MUSIC THEORY 1-2

5449900-5450900

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: Instructor approval
Does not meet fine arts admission requirement of Arizona universities

AP Music theory is a rigorous course designed for students planning a career in music, as well as for those students who desire more musical enrichment. The course includes study of a wide variety of vocal and instrumental music from standard western tonal repertoires. While the main emphasis is placed on music of the Common Practice period (1600-1750), music of other stylistic periods is also studied. Students will learn the basic rules that govern music composition, gain an understanding of the music forms and become proficient at sight-singing and diction. The culminating event will have the students complete the AP exam.

CREATING MUSIC THROUGH TECHNOLOGY 1-2

5281000-5282000

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: None

This course is intended for students with little or no knowledge of music who wish to create music for themselves. Using a software program with a mixture of 1,000+ music "loops," the student is able to create music. The student can also record "real instruments" and "software instruments" directly into the program. Using this software, students are capable of producing music for movies and podcasts as well as creating songs. This course will offer the student the ability to create his/her own "garage band."

CREATING MUSIC THROUGH TECHNOLOGY 3-4

5285000-5286000

Two-semester course, grade level 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: Music Tech 1-2 OR Instructor Approval

This course extends students' knowledge and application of skills with music composition through technology. Students who wish to develop their music technology skills to a higher level to be better prepared for college-level and career applications can do so by taking this course. This class will continue to develop students' music creation, synthesis, and analysis skills through higher level music and technology manipulation, research assignments, and self evaluation. Course can be repeated for credit but not grade replacement

PERFORMING ARTS INDEPENDENT STUDY 1-2

5487001-5488001

Two-semester course, grade level 12
\$10.00 Fee Per Semester
Prerequisite: Two units of Dance, Drama or Music and prior approval of the Principal and the Performing Arts Teacher

This program provides an opportunity for the advanced student, who ranks in the upper 25 percent of his/her class, to investigate and study independently an area of his/her own choosing in Performing Arts. The student is provided with tools of inquiry and research methods and techniques. Course may be repeated for credit, but not grade replacement.

PHYSICAL EDUCATION

GRADUATION REQUIREMENT

Health Education 1 (.5 credit) is required for graduation.

FUNCTIONAL HEALTH 1-2

0810030

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. This course is designed to build students' knowledge, skills, and positive attitudes about health. Students learn about personal, family, and community health. The course can be taken multiple times as the student moves toward proficiency in these areas.

HEALTH EDUCATION 1

5531000

One-semester course, grade level 9, 10, 11, 12
Prerequisite: None
Meets PXU Graduation Requirement

This course covers a variety of topics including safety education, environment, foods, drugs, exercise, accidents, diseases, immunization, nutrition and body care. This course is a graduation requirement.

HEALTH / FITNESS 1-2

6754000-6975000

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None
Meets PXU Graduation Requirement

Health/Fitness is a full-year course that integrates a variety of health concepts, skills, and behaviors to plan for personal and lifelong health and implement fitness-enhancing activities to lead a physically active lifestyle promoting wellness throughout life. Students develop skills that will make them health-literate adults. The fitness component requires the student to be proficient and demonstrate improved physical fitness in all health related fitness skills. Students are required to fully participate in all activities that will improve personal fitness and gain the knowledge and skills to adopt physical activity as a lifelong habit.

FITNESS & SPORTS 1-2

5501000-5502000

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This course will provide an environment for students to improve their health-related fitness skills along with learning personal workout guidelines. The settings of the class will be varied to provide a variety of fitness activities thus giving the student an opportunity to reach a higher level of fitness through guided activities.

GENERAL PHYSICAL EDUCATION 1-2

9TH GRADE BOYS

5503000-5504000

9TH GRADE GIRLS

5505000-5506000

10-12TH GRADE BOYS

5507000-5508000

10-12TH GRADE GIRLS

5509000-5510000

Two-semester course, grade level 9, 10, 11, 12
\$10.00 Fee Per Semester
Prerequisite: None

In this course students experience individual, dual and team sports with emphasis on participation by learning basic and advanced skills and offering specialized physical education activities in addition to health-related fitness skills. This course may be repeated for credit.

GYMNASTICS 1-2

5513000-5514000

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: One year General PE or equivalent, may be taken concurrently or with approval of the Instructional Leader

This course is designed for students interested in the basic skills and techniques of apparatus routines and tumbling, including a program of rhythms for creative expression in composition. Students are expected to attain a higher degree of performance at the intermediate and advanced levels.

INTERSCHOLASTIC ATHLETICS 1-2

5511000-5512000

Two-semester course, grade level 10, 11, 12
Prerequisite: Prior participation in high school athletics

This course is designed to improve health-related fitness and still-related fitness. The course is available to students who wish to attain a higher degree of skill level in sports-related activities. The course may be repeated for credit.

LIFETIME SPORTS 1-2

5515000-5516000

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This course covers definition and skill development in a variety of individual sports with carry-over values for participation during adult life. Emphasis will be on rules, basic skills and participation. Dressing out for the activities is highly recommended, but not mandatory.

PE OPPORTUNITIES FOR EXCEPTIONAL LEARNERS (PEOPEL) 1-2

0810030-0810040

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering

This course is designed to help students learn health concepts and behaviors to promote wellness throughout life. Students develop skills to support individualized physical fitness goals in a program which provides opportunities to reach a higher level of fitness through guided activities. This course may be repeated for credit.

**PEOPEL LEADERSHIP
TRAINING 1-2****5523000-5524000**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: General PE (with the permission of Instructor and of the Instructional Leader, may be taken concurrently)

This class is for students interested in becoming student leaders for students enrolled in the PEOPEL Program. Students learn and use techniques and skills for being leaders.

PEOPEL LEADERSHIP 1-2**5525000-5526000**

Two-semester course, grade level 10, 11, 12

Prerequisite: PEOPEL Leadership Training

This course is for students who have completed PEOPEL Leadership Training 1-2 and now want to experience peer-tutor opportunities in PEOPEL classes. This course may be repeated for credit.

WEIGHT TRAINING 1-2**BOYS****5517000-5518000****GIRLS****5519000-5520000**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: None

Safety and weight training techniques and health-related fitness are emphasized, using several different types of training apparatus. Students will experience a variety of different physical activities in addition to strength training and are expected to achieve skills at the beginning level. Course may be repeated for credit.

ADVANCED WEIGHT TRAINING 3-4**BOYS****5527000-5528000****GIRLS****5529000-5530000**

Two-semester course, grade level 10, 11, 12

Prerequisite: Weight Training 1-2 or Instructor recommendation

Emphasis on safety and weight training techniques and health related fitness is continued, using several different types of training apparatus. Students will experience a variety of different physical activities and are expected to achieve skills at the intermediate and advanced level. Course may be repeated for credit.

YOGA AND FITNESS**6743000-6744000**

One-semester course, grade level 9, 10, 11, 12

Prerequisite: None

Yoga and Fitness provides students the opportunity to increase the health related components of fitness through a regular yoga practice supplemented by fitness activities.

PE INDEPENDENT STUDY 1-2**5587001-5588001**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: Prior approval of Principal, PE Instructor and PE Instructional Leader

This course is for students with state, national or world class skills. It enables them to study individually in a course not normally offered in the District. It is not to be a duplication of other available opportunities.

HEALTH SKILLS**0810050**

One-semester course, grade level 10, 11, 12

Prerequisite: District approval required for this offering

This course covers a variety of topics including safety education, environment, foods, drugs, exercise, accidents, diseases, immunization, nutrition and body care. Students will learn skills to sustain and advocate for personal, family, and community health.

FUNCTIONAL ADULT LIVING 1-2**2210150-2210160**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: District approval required for this offering

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. This course promotes independence and literacy through vocational, daily living, personal life, and community topics. Students learn problem solving skills, social/emotional responses, self-management and self-advocacy. The course can be taken multiple times as the student moves toward proficiency in these areas.

READING

COLLEGE CRITICAL READING ARGUMENT**6771000**

One-semester course, grade level 9, 10, 11, 12

Placement criteria: English 101 (or English 107) with a "C" or better and a reading placement score of 41 or higher on the ASSET Test or with permission of the instructor

This course offers an emphasis on applying critical inquiry skills to varied and challenging reading materials. Course includes analysis, synthesis, and evaluation through written discourse. Dual enrollment is required for this course.

READING FUNDAMENTALS 1-2**(GRADE 9)****5611000-5612000****(SYSTEM44)****5611700-5612700**

One period, two-semester course, grade level 9

Placement criteria: Scoring below grade level on a standardized reading comprehension test or Instructor recommendation. Meets requirement for elective credit.

Prerequisite: None

Reading Fundamentals is a one period course designed to teach the Arizona English Language Arts Standards for reading. Students will develop fundamental reading skills, apply comprehension strategies, and build vocabulary necessary to become independent readers. **If students need additional support in phonemic awareness and phonics skills, they will be tested on the Scholastic Phonics Inventory and placed in the System 44 component of the program to learn the sound and letter system.****STRATEGIC READING 1-2****(GRADES 10-12)****5613000-5614000**

Two-semester course, grade level 10, 11, 12

Placement criteria: Scoring below an 1100 Lexile on the Reading Inventory or Instructor recommendation. Meets requirement for elective credit.

Prerequisite: Reading Fundamentals preferred

Strategic Reading is a one-hour course designed for students in grades 10-12 who need additional support in reading instruction that will help them develop reading comprehension strategies needed to meet the Arizona English Language Arts Standards for reading. Students will become critical and independent readers in content areas as well as lifetime readers of various genre of literature.

INDEPENDENT READING 1-2**5607000-5608000**

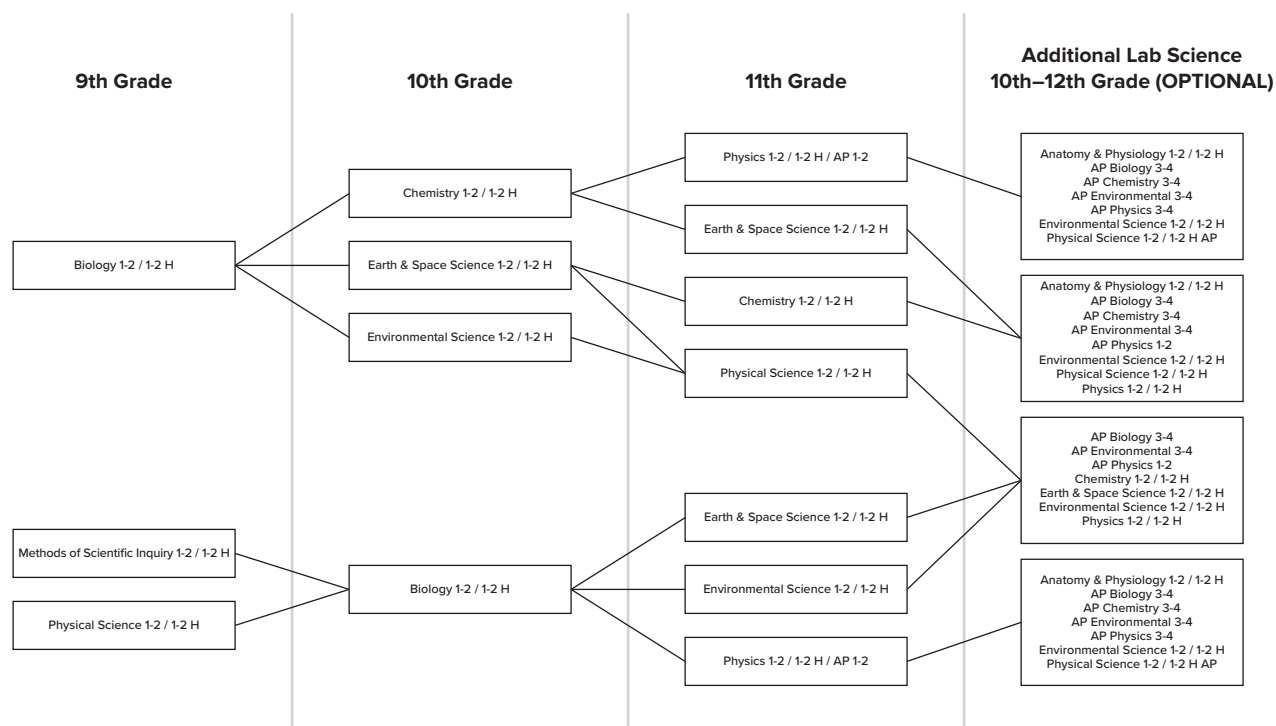
One or more semesters, grade level 10, 11, 12

Prerequisite: See Placement Criteria Addendum

This course is designed to train students to help themselves and others develop reading and study skills as they relate to the various content areas. Student receives elective credit, but the course is not included in class ranking.

SCIENCE COURSE SEQUENCE

Starting with the class of 2023, all students must complete one of the science pathways pictured below in order to obtain the three credits of science in preparation for proficiency at the high school level on the statewide science assessment required for high school graduation. All incoming freshmen (9th grade students) are placed in science courses according to their 8th grade teacher recommendations, as well as their Math and English placements.



Students who fail one or more semesters of a course must complete available credit recovery options (i.e. summer school, evening school). It is recommended that this be done within a year of failing the course.

SCIENCE

SCIENCE GRADUATION REQUIREMENTS

Students entering the ninth grade must successfully complete at least three (3) units of laboratory science in the following manner:

Lab sciences are two-semester in length. Each unit of credit must consist of both halves of one course (e.g., Biology 1-2, Chemistry 1-2). For this purpose, complementary halves of variations of a course can be matched (e.g., Physics 1 H and Physics 2 could meet this requirement, as would Earth & Space Science 1 and Earth & Space Science 2H). However, this requirement cannot be met by mixing halves of different courses (e.g., neither Physical Science 1 and Earth & Space Science 1 nor Chemistry 1 and Physics 2 would meet this requirement).

One of the units must be Biology 1-2 (including variants). The additional units can be any of the following within one of the pathways outlined in the Science Course Sequence: Methods of Scientific Inquiry 1-2, Physical Science 1-2, Chemistry 1-2, Physics 1-2, Earth & Space Science 1-2, Environmental Science 1-2 (including variants, e.g., H, M, etc.).

All pathways identified in the Science Course Sequence meet Arizona university requirements for lab science. An advanced course, such as an Advanced Placement (AP) course, a diploma program International Baccalaureate (IB) course, or other honors or advanced course such as Anatomy & Physiology, may be taken in addition to the three lab sciences outlined in the pathways for 9th-11th grade in the Science Course Sequence, but cannot replace a course in a pathway. Please refer to the course descriptions and university admission requirements for more detailed information.

SUGGESTED PLACEMENT CRITERIA:

General – The following criteria are considered when placing students in science courses: recommendations of previous teachers, previous achievement in science, previous achievement in reading and mathematics, student desire, parental wishes and college/career goals. Students wishing to enroll in an Arizona university must take three years of courses in the following areas: Biology, Chemistry, Earth & Space Science, Physics, or Integrated Sciences (Foundations of Scientific Inquiry, Integrated Science, Methods of Scientific Inquiry, or Physical Science).

FUNCTIONAL PHYSICAL SCIENCE 1-2 0310150-0310160

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: District approval required for this offering

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. Functional Physical Science focuses on the basic components of chemistry and physics. Students use Science and Engineering Practices through hands-on, individual, and lab experiences. Students learn the process of scientific inquiry and gain the knowledge base to support those inquiries. The course can be taken multiple times as the student moves toward proficiency in these areas.

ANATOMY & PHYSIOLOGY 1-2**5701000-5702000**

Two-semester course, grade level 10, 11, 12

Prerequisite: Biology 1-2

Concurrent or Prerequisite: Chemistry 1-2

AZSS Essential Standards: N/A

Pathway Requirements: Must be taken in addition to pathway, starting with the class of 2023.

Meets laboratory science admission requirement of Arizona universities as Advanced Biology.

Anatomy & Physiology 1-2 is a laboratory science course designed for students who have taken biology and wish to pursue a detailed study of human anatomy and physiology. This course provides comprehensive information about the structure and function of the human body. Topics include the body plan, homeostasis and the major systems of the body, e.g., integumentary, skeletal, muscular, immune, circulatory, respiratory, digestive, endocrine, nervous, excretory and reproductive.

ANATOMY & PHYSIOLOGY 1-2 H**5701600-5702600**

Two-semester course, grade level 10, 11, 12

Prerequisite: Biology 1-2

Concurrent or Prerequisite: Chemistry 1-2

AZSS Essential Standards: N/A

Pathway Requirements: Must be taken in addition to a pathway, starting with the class of 2023.

Meets laboratory science admission requirement of Arizona universities as Advanced Biology.

Anatomy & Physiology 1-2 H is a laboratory science course designed for students who have taken biology and wish to pursue a more detailed study of human anatomy and physiology. This course provides highly comprehensive information about the structure and function of the human body and is a good foundation for students interested in the medical profession. Topics include the body plan, homeostasis and major systems of the body, e.g., integumentary, skeletal, muscular, immune, circulatory, respiratory, digestive, endocrine, nervous, excretory and reproductive.

ASTRONOMY 1-2**5703000-5704000**

Two-semester course, grade level 11, 12

Prerequisite: Algebra 1-2

AZSS Essential Standards: N/A

Pathway Requirements: Must be taken in addition to a pathway, starting with the class of 2023.

Meets laboratory science admission requirement of Arizona universities as Physics.

Astronomy 1-2 is a laboratory science course for students who wish to investigate the wide variety of objects in the universe and learn how the universe works. Many physics topics such as forces and motion, light and optics, electricity and magnetism and conservation of energy will be studied in the astronomical context of the big bang theory, galaxies and stars, formation of the solar system, planets and their moons, asteroids and comets, and extra solar planets.

BIOLOGY 1-2**5711000-5712000**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: meets placement criteria

AZSS Essential Standards: 3, 14, 18-28

Pathway Requirements: Required in all pathways

Meets laboratory science admission requirement of Arizona universities as Biology.

Biology 1-2 is a laboratory science course designed to meet the Arizona and national standards for life science. Students of Biology 1-2 will engage in scientific inquiry to uncover concepts related to cellular processes, interdependence of organisms and the environmental system, genetics, and the molecular basis of heredity, and the scientific principles and processes involved in biological evolution. Students who previously received credit for Biology 1-2 H may not receive credit for Biology 1-2.

BIOLOGY 1-2 H**5711600-5712600**

Two-semester course, grade level 9, 10

Prerequisite: meets placement criteria

AZSS Essential Standards: 3, 14, 18-28

Pathway Requirements: Required in all pathways

Meets laboratory science admission requirement of Arizona universities as Biology.

Biology 1-2 H is a pre-collegiate course exploring cellular systems, ecological systems, genetics and evolution. Students will develop deep connections across biological systems to better prepare for advanced, college preparatory science and university. Students will collaboratively and independently problem solve, applying scientific practices to create and modify understandings while exploring real world phenomena. Deep focus on analytical reading and writing, application of mathematics, and modeling.

Students who previously received credit for Biology 1-2 may not receive credit for Biology 1-2 H.

AP BIOLOGY 3-4**5793900-5794900**

Two-semester course, grade level 11, 12

Prerequisite: Biology 1-2, Chemistry 1-2 (C or better both semesters)

Concurrent or Prerequisite: Algebra 3-4

AP Instructor approval may waive prerequisites or grade requirements

AZSS Essential Standards: N/A

Pathway Requirements: Must be taken in addition to a pathway, starting with the class of 2023.

Meets laboratory science admission requirement of Arizona universities as Advanced Biology.

AP Biology is a college-level laboratory-based science course for academically advanced students who have had an introductory life science course and wish to study biology at a more challenging level. Students may earn college credit and/or advanced placement based on their performance on the Advanced Placement examination in biology. Due to the rigor of the AP program, this course receives honors credit. Students will study principles of living systems at the molecular, cellular and organismic levels of organization. This course provides students with an opportunity to develop a conceptual framework for modern biology emphasizing: science as a process; evolution as the foundation of modern biological thought; and applications of biological knowledge and critical thinking to environmental and social concerns.

COLLEGE BIOLOGY 3-4 H**5713600-5714600**

Two-semester course, grade level 11, 12

Prerequisite: Biology 1-2

AZSS Essential Standards: N/A

Pathway Requirements: Must be taken in addition to a pathway, starting with the class of 2023.

Meets laboratory science admission requirement of Arizona universities as Advanced Biology.

College Biology 3-4 H is a laboratory science course taught at the college level for academically advanced students who have had an introductory life science course and wish to study biology at a higher level. Students may receive college credit, based on their performance. The topics will include those required by the college of concurrent enrollment and may include areas of life science such as ecology, human biology, genetics, developmental biology, botany, zoology and microbiology. Outside reading along with reports may be assigned.

CHEMISTRY 1-2**5721000-5722000**

Two-semester course, grade level 10, 11, 12

Prerequisite: Algebra 1-2; Biology 1-2

AZSS Essential Standards: 1-5, 8-9, 12, 15

Pathway Requirements: Must be taken in addition to either Biology/Earth & Space Science, or Biology/Physics, starting with the class of 2023.

Meets laboratory science admission requirement of Arizona universities as Chemistry.

Chemistry 1-2 is a laboratory science course designed to explore matter and composition of the world. The major instructional areas are: identifying consistencies in experimental data, structure of matter as a key to chemical and physical properties, mole concept, and energy changes in matter, conservation of energy, equilibrium systems and stoichiometric relationships. Laboratory work and Science and Engineering Practices are emphasized.

CHEMISTRY 1-2 H

5721600-5722600

Two-semester course, grade level 10, 11, 12

Prerequisite: Algebra 1-2; Biology 1-2

AZSS Essential Standards: 1-5, 8, 9, 12, 15

Pathway Requirements: Must be taken in addition to either Biology/Earth & Space Science, or Biology/Physics, starting with the class of 2023.

Meets laboratory science admission requirement of Arizona universities as Chemistry.

Chemistry 1-2 H is a laboratory science course designed for students who wish to pursue a more challenging and quantitative approach to chemistry. The student will learn about matter, energy and the composition of the universe. The major instructional areas are: identifying consistencies in experimental data, structure of matter as a key to chemical and physical properties, mole concept, and energy changes in matter, conservation of energy, equilibrium systems and stoichiometric relationships. Laboratory work and the Science and Engineering Practices are emphasized. Research papers and individual laboratory research may be required.

AP CHEMISTRY 3-4

5795900-5796900

Two-semester course, grade level 11, 12

Prerequisite: Biology 1-2; Chemistry 1-2 (C or better both semesters);

Algebra 3-4 (C or better both semesters)

AZSS Essential Standards: N/A

Pathway Requirements: Must be taken in addition to a pathway, starting with the class of 2023.

AP Instructor approval may waive prerequisites or grade requirements.

Meets laboratory science admission requirement of Arizona universities as Advanced Science.

AP Chemistry is a college-level laboratory science course for academically advanced students who have had an introductory chemistry course and wish to study the discipline at a more challenging level. Students may earn college credit and/or advanced placement based on their performance on the Advanced Placement examination in chemistry. Due to the rigor of the AP program, this course receives honors credit. This course emphasizes chemical calculations and the mathematical formulation of principles. Students will explore concepts within each of the following areas: structure of matter, states of matter, reactions; descriptive chemistry; and inquiry-based laboratory practices.

EARTH & SPACE SCIENCE 1-2

5733000-5734000

Two-semester course, grade level 10, 11, 12

Prerequisite: Biology 1-2

AZSS Essential Standards: 1-3, 5-7, 11-13, 15-17

Pathway Requirements: Must be taken in addition to any of the following, starting with the class of 2023: Biology/Chemistry, Biology/Methods of Scientific Inquiry, Biology/Physical Science, or Biology/Physics.

Meets laboratory science admission requirement of Arizona universities as Earth Science.

Earth & Space Science 1-2 is a rigorous laboratory science course designed to meet the Arizona and national standards for the earth sciences, with applications to physical and life sciences. Scientific inquiry, as it applies to the study of the earth and earth systems, is the focus of the course. It is designed for students who have a background in the foundations of physics and chemistry, and who have successfully completed biology. Students will learn about the physical world in which we live and the manner in which the world is studied through critical thinking skills. Space Science focuses on topics in Astronomy including: Origins of the Universe, Stars, Galaxies, and Solar System. Second semester Earth and Space Science focuses on the Earth including Rocks, Minerals, Plate Tectonics, Geomorphology, Historical Geology, Weather, and Climate.

EARTH & SPACE SCIENCE 1-2 H

5733600-5734600

Two-semester course, grade level 10, 11, 12

Prerequisite: Biology 1-2

AZSS Essential Standards: 1-3, 5-7, 11-13, 15-17

Pathway Requirements: Must be taken in addition to any of the following, starting with the class of 2023: Biology/Chemistry, Biology/Methods of Scientific Inquiry, Biology/Physical Science, or Biology/Physics.

Meets laboratory science admission requirement of Arizona universities as Earth Science.

Earth & Space Science 1-2 H is a highly rigorous laboratory science course designed to meet the Arizona and national standards for the earth sciences, with applications to physical and life sciences. Scientific inquiry, as it applies to the study of the earth and earth systems, is the focus of the course. It is designed for students who have a strong background in the foundations of physics and chemistry, and who have successfully completed biology. Students will learn about the physical world in which we live and the manner in which the world is studied through critical thinking skills. Space Science focuses on topics in Astronomy including: Origins of the Universe, Stars, Galaxies, and Solar System. Second semester Earth and Space Science focuses on the Earth including Rocks, Minerals, Plate Tectonics, Geomorphology, Historical Geology, Weather, and Climate.

ENVIRONMENTAL SCIENCE 1-2

5741000-5742000

Two-semester course, grade level 10, 11, 12

Prerequisite: Biology 1-2

AZSS Essential Standards: 4, 5, 9, 11-15, 18, 19, 26

Pathway Requirements: Must be taken in addition to either Biology/Methods of Scientific Inquiry, or Biology/Physical Science, starting with the class of 2023.

Meets laboratory science admission requirement of Arizona universities as Earth Science.

Environmental Science 1-2 is a laboratory science course designed to explore the interrelationship of humanity on the local and global environment. Emphasis is on helping the student make decisions based on facts about our ability to live in harmony with the environment. This course is activity-oriented and includes such topics as ecological relationships, use and consumption of our natural resources, energy and problems resulting from population growth.

ENVIRONMENTAL SCIENCE 1-2 H

0360110-0360120

Two-semester course, grade level 10, 11, 12

Prerequisite: Biology 1-2

AZSS Essential Standards: 4, 5, 9, 11-15, 18, 19, 26

Pathway Requirements: Must be taken in addition to either Biology/Methods of Scientific Inquiry, or Biology/Physical Science, starting with the class of 2023.

Meets laboratory science admission requirement of Arizona universities as Earth Science.

The purpose of this course is to enable students to develop knowledge of the ways that humans interact with the natural environment. The focus is on implementation of scientific habits of mind and the application of scientific knowledge, methodology, and historical context to solve problems. Students explore earth dynamics, the influence of technology on environmental quality, environmental quality issues, and conservation and biodiversity.

AP ENVIRONMENTAL SCIENCE 3-4 5791900-5792900

Two-semester course, grade level 10, 11, 12

Prerequisite: Biology 1-2

Concurrent or Prerequisite: Chemistry 1-2

AZSS Essential Standards: N/A

Pathway Requirements: Must be taken in addition to a pathway, starting with the class of 2023.

If the student has taken Environmental Science 1-2 already, this course will receive elective credit only.

AP Instructor approval may waive prerequisites or grade requirements.

Meets laboratory science admission requirement of Arizona universities as Advanced Science or Earth Science.

AP Environmental Science is a college-level science course for academically advanced students who wish to pursue advanced study of the environment. Topics to be covered in this course are: scientific analysis, the interdependence of Earth's systems, human population dynamics, renewable and nonrenewable resources, environmental quality, global changes and their consequences, the environment and society and choices for the future. Students will participate in laboratory and field investigations, allowing them to learn about the environment through firsthand observation. Students may earn college credit and/or advanced placement based on their performance on the Advanced Placement Environmental Science exam. Due to the rigor of the AP program, this course receives honors credit.

METHODS OF SCIENTIFIC INQUIRY 1-2**0300110-0300120**

Two-semester course, grade level 9

Prerequisite: None

AZSS Essential Standards: 1, 2, 4, 6-12, 16, 17, 19, 27

Pathway Requirements: Must be taken in addition to any of the following, starting with the class of 2023: Biology/Earth & Space Science, Biology/Environmental Science, or Biology/Physics.

Meets laboratory science admission requirement of Arizona universities as an Integrated Science.

The Instructional objectives of Methods of Scientific Inquiry is to incorporate basic ideas and modes of thought common to all scientific disciplines in a cross-disciplinary classroom environment. Students will develop metacognitive and scientific processing skills used in investigating problems and finding solutions in order to prepare them for subsequent science courses. Core course objectives include: observation and measurement, development of research questions, experimental design, data collection and analysis, resource utilization, and problem solving, while supporting literacy and numeracy within a scientific context. The purpose of this course is to give students a strong foundation in science methods while exciting them about the fundamental concepts of matter and energy within the context of life, physical, and earth science.

METHODS OF SCIENTIFIC INQUIRY 1-2 H**0360250-0360260**

Two-semester course, grade level 9

Prerequisite: None

AZSS Essential Standards: 1, 2, 4, 6-12, 16, 17, 19, 27

Pathway Requirements: Must be taken in addition to any of the following, starting with the class of 2023: Biology/Earth & Space Science, Biology/Environmental Science, or Biology/Physics.

Meets laboratory science admission requirement of Arizona universities as an Integrated Science.

Methods of Scientific Inquiry 1-2 H is a lab science course designed for those who wish to pursue a more rigorous learning experience. The Instructional objectives of Methods of Scientific Inquiry is to incorporate basic ideas and modes of thought common to all scientific disciplines in a cross-disciplinary classroom environment. Students will develop metacognitive and scientific processing skills used in investigating problems and finding solutions in order to prepare them for subsequent science courses. Core course objectives include: observation and measurement, development of research questions, experimental design, data collection and analysis, resource utilization, and problem solving, while supporting literacy and numeracy within a scientific context. The purpose of this course is to give students a strong foundation in science methods while exciting them about the fundamental concepts of matter and energy within the context of life, physical, and earth science.

PHYSICAL SCIENCE 1-2**5737000-5738000**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: None

AZSS Essential Standards: 1-10, 15-17

Pathway Requirements: Must be taken in addition to any of the following, starting with the class of 2023: Biology/Earth & Space Science, Biology/Environmental Science, or Biology/Physics.

Meets laboratory science admission requirement of Arizona universities as an Integrated Science.

Physical Science 1-2 is a laboratory science course designed to meet Arizona standards for the physical sciences, and to meet the science lab requirement for state universities. Coursework includes the study of the basic concepts of chemistry and physics, as well as mathematical applications. This laboratory-centered course involves students in building conceptual and mathematical models that fit within a story-line framework. Using problem-solving strategies, the Science and Engineering Practices, hands-on lab experiences and cooperative learning strategies, students acquire the abilities to do scientific inquiry and gain a knowledge base to support those inquiries.

PHYSICAL SCIENCE 1-2 H**5737600-5738600**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: None

AZSS Essential Standards: 1-10, 15-17

Pathway Requirements: Must be taken in addition to any of the following, starting with the class of 2023: Biology/Earth & Space Science, Biology/Environmental Science, or Biology/Physics.

Meets laboratory science admission requirement of Arizona universities as an Integrated Science.

Physical Science 1-2 H is a rigorous laboratory science course designed to meet Arizona standards for the physical sciences, and to meet the science lab requirement for state universities. Coursework includes the study of the basic concepts of chemistry and physics at an accelerated pace, with a focus on mathematical applications. This laboratory-centered course involves students in building conceptual and mathematical models that fit within a story-line framework. Using problem solving strategies, the Science and Engineering Practices, hands-on lab experiences and cooperative learning strategies, students acquire the abilities to do scientific inquiry and gain a knowledge base to support those inquiries.

PHYSICS 1-2**5751000-5752000**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: Algebra 1-2, Algebra 3-4, and Geometry 1-2

AZSS Essential Standards: 5-13, 15-17

Pathway Requirements: Must be taken in addition to any of the following, starting with the class of 2023: Biology/Chemistry, Biology/Earth Science, Biology/Methods of Scientific Inquiry, or Biology/Physical Science.

Meets laboratory science admission requirement of Arizona universities as Physics.

Physics 1-2 is a laboratory science course designed for students who may go to college. Topics include: motion, forces, energy, waves, light, electricity, magnetism, radioactivity, mechanical energy, nuclear physics and alternative energy sources. Major concepts are introduced through laboratory experiences.

PHYSICS 1-2 H**5751600-5752600**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: Algebra 3-4 or Instructor Approval

AZSS Essential Standards: 5-13, 15-17

Pathway Requirements: Must be taken in addition to any of the following, starting with the class of 2023: Biology/Chemistry, Biology/Earth Science, Biology/Methods of Scientific Inquiry, or Biology/Physical Science.

Meets laboratory science admission requirement of Arizona universities as Physics.

Physics 1-2 H is a laboratory science course for students who wish to pursue a more challenging and a more quantitative approach to physics. This course provides a comprehensive survey of energy and how it is studied through science critical thinking skills. Topics include: motion, forces, energy, waves, light, electricity, magnetism, radioactivity, mechanical energy, nuclear physics and alternative energy sources. Major concepts are introduced through laboratory experiences.

AP PHYSICS 1-2

390010-390020

Two-semester course, grade level 11, 12

Prerequisite: Algebra 3-4

AZSS Essential Standards: 5-13, 15-17

Pathway Requirements: Must be taken in addition to any of the following, starting with the class of 2023: Biology/Chemistry, Biology/Earth Science, Biology/Methods of Scientific Inquiry, or Biology/Physical Science.

Meets laboratory science admission requirement of Arizona universities as Physics or Advanced Science.

AP Physics 1-2 is a laboratory science course for students who wish to pursue a challenging and integrated approach to understanding physical phenomena. Students may earn college credit and/or advanced placement based on their performance on the Advanced Placement Physics 1 exam. Due to the rigor of the AP program, this course receives honors credit. This course utilizes guided inquiry and student-centered learning to foster development of critical thinking skills and conceptual work, energy, power, momentum, rotational dynamics, mechanical waves, sound and introductory electrostatics and electric circuits. Major concepts are introduced through lab experiences.

AP PHYSICS 3-4

0390030-0390040

Two-semester course, grade level 11, 12

Prerequisite: AP Physics 1-2, Algebra 3-4

AZSS Essential Standards: N/A

Pathway Requirements: Must be taken in addition to a pathway, starting with the class of 2023.

Meets laboratory science admission requirement of Arizona universities as Advanced Science.

AP Physics 3-4 (formerly AP Physics B) is a college-level laboratory-based science course for academically advanced students who have had an introductory physics course and wish to study more aspects of the discipline at a challenging level. Students may earn college credit and/or advanced placement based on their performance on the Advanced Placement Physics 2 exam. Due to the rigor of the AP program, this course receives honors credit. This course utilizes guided inquiry and student-centered learning to foster development of critical thinking skills and conceptual frameworks for understanding phenomena related to fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. Major concepts are introduced through lab experiences.

BIOLOGY SKILLS 1-2

0310070-0310080

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: District approval required for this offering

This course teaches students about scientific processes and concepts. Students will engage in scientific inquiry to uncover concepts related to cellular processes and environmental systems. Focus will also be on the basic needs and habitats of organisms, the life cycle, and processes involved in biological evolution.

EARTH SCIENCE SKILLS 1-2

0310090-0310100

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: District approval required for this offering

This earth science course teaches the fundamentals of earth, space, and environmental sciences. Students will learn about the physical world and universe in which we live, and there is an emphasis on using scientific knowledge to encourage critical thinking skills and fact-based decision-making. This course is activity oriented and includes such topics as ecological relationships, use and consumption of our natural resources, energy and problems resulting from population growth.

PHYSICAL SCIENCE SKILLS 1-2

0310110-0310120

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: District approval

This course focuses on the basic concepts of chemistry and physics. It involves students in building conceptual and mathematical models that fit within a story-line framework, using problem solving strategies, the Science and Engineering Practices, hands-on lab experiences, and cooperative learning strategies.

FUNCTIONAL BIOLOGY 1-2

0310050-0310060

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: District approval required for this offering

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. This course teaches students about scientific processes and concepts related to biology. Students will engage in scientific inquiry to uncover concepts related to cellular processes and environmental systems. Focus will also be on the basic needs and habitats of organisms, the life cycle, and processes involved in biological evolution. The course can be taken multiple times as the student moves toward proficiency in these areas.

FUNCTIONAL EARTH AND ENVIRONMENTAL SCIENCE

03100130-0310140

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: District Approval Required for this Offering

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. This earth science course teaches the fundamentals of earth, space, and environmental sciences. Students will learn about the physical world and universe in which we live. The course can be taken multiple times as the student moves toward proficiency in these areas.

SCIENCE ELECTIVES

These courses do not fulfill the Science graduation requirements, but will fulfill elective credit.

INTRODUCTION TO ROBOTICS 1-2

2100010-2100020

Two-semester course

AZSS Essential Standards: N/A

Pathway Requirements: Must be taken in addition to a pathway

Does not meet laboratory science admission requirement of Arizona universities.

Robotics is a course for students interested in applying their math and science skills to robotics projects. Through various platforms such as VEX and Arduino, students will learn and apply many new science and engineering concepts, design and build robots, learn about coding and programming, and compete against other groups.

SCIENCE ACCELERATION 1 (SUMMER ONLY)

5743000

One-semester course, 4-week summer course, 4 hours per day, grade level 9

Prerequisite: Score of 60% or higher on the AQT or GQT or based on 7th and 8th grade state assessment results

AZSS Essential Standards: N/A

Pathway Requirements: Must be taken in addition to a pathway

Does not meet laboratory science admission requirement of Arizona universities.

Science Acceleration is a rigorous laboratory-based science and mathematics course aligned to the Arizona State Science Standards and intended to guide students to understand physics as the rules of the physical world, and to teach how the equations of physics reveal connections in nature. Coursework includes the study of physics concepts, with a focus on mathematical applications, which are fully integrated into the physics curriculum. Concepts to be explored in this laboratory-centered course, which will involve students in building conceptual and mathematical models, include motion, forces, and energy and energy systems. Using problem solving strategies, the scientific method, hands-on lab experiences and cooperative learning strategies, students will acquire the ability to do scientific inquiry and gain a knowledge base in physics and mathematics to support those inquiries.

SCIENCE INDEPENDENT STUDY 1-2 5787001-5788001

Two-semester course, grade level 11, 12

Prerequisite: Prior approval of the Principal, Science Teacher and department Chairperson and completion of 2 years of science

AZSS Essential Standards: N/A

Pathway Requirements: Must be taken in addition to a pathway

Does not meet laboratory science admission requirement of Arizona universities.

Science Independent Study 1-2 is designed for the advanced science student who wishes to pursue his/her own research project. It provides the opportunity for the advanced student to investigate and study independently an area of his/her own choosing in the sciences. The student is provided with tools of inquiry and research methods and techniques.

SCIENCE SEMINAR 1-2 H 5761600-5762600

SCIENCE SEMINAR 3-4 H 5763600-5764600

SCIENCE SEMINAR 5-6 H 5765600-5766600

SCIENCE SEMINAR 7-8 H 5767600-5768600

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: Teacher approval

AZSS Essential Standards: N/A

Pathway Requirements: Must be taken in addition to a pathway

Does not meet laboratory science admission requirement of Arizona universities.

Science Seminar is a course designed for students who wish to do independent study in areas of science that interest them. Through this course students may prepare for science competitions. Any appropriate topic can be pursued.

SOCIAL STUDIES COURSE SEQUENCE

Students must successfully complete World History/Geography, US/Arizona History, Government and Economics, and pass the civics exam with a score of 60 or more.

Students may enroll in Honors or Advanced Placement courses if they score above the 88th percentile rank on the reading portion of a standardized norm-referenced test, are recommended by a teacher, or by choice of the parent/student.

Arizona universities require 2 years/units of Social Studies courses. One year/unit of history (including at least one course in American history) and one year/unit of an additional social science such as geography, government, psychology, anthropology, European or world history, economics, or sociology.

SOCIAL STUDIES COURSE SEQUENCE		
9th grade	Elective options*	
10th grade	World Hist./Geography 1-2 or World Hist./Geography 1-2 H or AP World History	And elective options*
11th grade	U.S./Arizona Hist. 1-2 or U.S./Arizona Hist. 1-2 H or AP U.S. History	And elective options*
12th grade	Economics or Economics H or AP Macroeconomics 1-2* AND Government or Government H or AP U.S. Government and Politics 1-2*	And elective options*

Elective credit options: American Cultures, American Studies for Newcomers 1, AP Human Geography, Sociology 1, Student Government 1-8, and Social Studies Independent Studies 1-2

**Students must pass both semesters of AP to fulfill the Economics or Government graduation requirements.*

SOCIAL STUDIES

SOCIAL STUDIES GRADUATION REQUIREMENTS

Student must successfully complete three units of Social Studies courses including World History/Geography, US/Arizona History, Government and Economics.***

All PXU students must pass the Civics Exam to graduate starting with the Class of 2017.

FUNCTIONAL WORLD HISTORY/GEOGRAPHY

SKILLS 1-2 0410150-0410160

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: District approval required for this offering

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. This course provides an overview of Western Civilization and world geography; major concepts, characteristics, events and people of modern history are introduced. Students apply the lessons of history to their lives as citizens of the United States and members of the world community. The course can be taken multiple times as the student moves toward proficiency in these areas.

ECONOMICS 5841000

One-semester course, grade level 12

Prerequisite: None

This course is an introduction to the foundations and methods of economics. Economics is the study of how people choose to use their limited resources to produce, exchange and consume goods and services and how these scarce resources are allocated among competing ends. The course will examine the characteristics of different economic systems, the essential component of private property in a free-market environment, the role of government in the economy of the United States and the effects of international trade and development on our lives. The course is based on the national and Arizona State Social Studies Standards for Economics.

ECONOMICS H 5841600

One-semester course, grade level 12

Prerequisite: See Placement Criteria

Encompassing the objectives of the regular Economics course, Economics H is designed for honors students. The course will provide the students with an in-depth analysis of economic systems and will provide students with a fundamental understanding of economic concepts, micro-economics and macroeconomics.

AP MACROECONOMICS 1-2 0400170-0400180

Two-semester course, grade level 12

Prerequisite: See Placement Criteria

AP Macroeconomics 1-2 is an introductory course that focuses on the principles that apply to an economic system as a whole and designed to provide students with the analytical skills and factual knowledge necessary to deal critically with fundamental economic concepts, microeconomics and macroeconomics. The course prepares students for college-level work and advanced placement status by providing AP success and study skills. *Students must pass both semesters to fulfill the Economics graduation requirement.*

GOVERNMENT

5831000

One-semester course, grade level 12

Prerequisite: None

This course deals with national and state governments and describes how groups in our country give power to political institutions to make binding decisions for the good of society. The course analyzes civic life, politics and the basic forms of government; what the basic foundations of the American political system constitute; how government established by a constitution embodies the purposes, values and principles of American democracy. America's role in the world with other nations and the matters of world affairs are discussed. The concepts explored in this course will continue to prepare and empower students to make choices as responsible participants in society. The course is based on the Arizona State Social Studies Standards for Civics/Government.

GOVERNMENT 1 H

5831600

One-semester course, grade level 12

Prerequisite: See Placement Criteria

Encompassing the objectives of the regular Government course, Government H is for the honor student who wants an in-depth and enriched course. Opportunities will be provided for students to read extensively and to analyze the structure and operation of the national government.

AP UNITED STATES GOVERNMENT AND POLITICS 1-2

0400150-0400160

Two-semester course, grade level 12

Prerequisite: See Placement Criteria

AP United States Government and Politics 1-2 is an introductory course that introduces key political ideas, institutions, policies, interactions, roles and behaviors that characterizes the political culture of the United States. Students will examine the politically significant concepts and themes by applying disciplinary reasoning and assessing causes and consequences of political events. The class is designed to provide students the opportunity to read extensively, interpret data, develop evidence based arguments and to analyze the structure and operation of the national government. The course prepares students for college-level work and an advanced placement status by providing AP success and study skills. *Students must pass both semesters to fulfill the Government graduation requirement.*

US / ARIZONA HISTORY 1-2

5821000-5822000

Two-semester course, grade level 11

Prerequisite: None

US/AZ History is the second course in the Social Studies Program. This course is a conceptual look at changing American culture, politics, environment and economy. The course's intent is to help students use inquiry to explore a variety of people, events, and movements in America history. In addition, better understand the themes of history which shaped and continue to impact the lives of the American people. The course also challenges the knowledge gained from the World History course and applies that background to America's perspective of the 20th Century. The concepts explored in this course will continue to prepare and empower students to make choices as responsible participants in society. The course is based on the AZ State Social Studies Standards for US/AZ History.

US / ARIZONA HISTORY 1-2 H

5821600-5822600

Two-semester course, grade level 11, 12

Prerequisite: See Placement Criteria

US/Arizona History 1-2 H provides the honors student with an opportunity for an in-depth investigation of the factors and forces which have shaped the United States and Arizona. Research is expected of students enrolled in the course.

AP UNITED STATES HISTORY**5893900-5894900**

Two-semester course, grade level 11
Prerequisite: See Placement Criteria

AP United States History is designed to provide students with the analytical skills and in-depth knowledge necessary to deal critically with the problems and materials in US/Arizona History. The course prepares students for college-level work and an advanced placement status.

**WORLD HISTORY /
GEOGRAPHY 1-2****5811000-5812000**

Two-semester course, grade level 10
Prerequisite: None

World History/Geography is the first course in the Social Studies Program. This course is designed to provide students with inquiry skills and knowledge to explore people, events, and movements of modern world history. The course will include an overview of both Eastern and Western Hemispheres and world geography. Economic and political developments, geographic concepts, belief systems and cultural contributions are integrated into the curriculum. The course is based on the Arizona State Social Studies Standards for World History.

**WORLD HISTORY /
GEOGRAPHY 1-2 H****5811600-5812600**

Two-semester course, grade level 10
Prerequisite: See Placement Criteria

World History/Geography 1-2 H provides the honor student with an opportunity to do an in-depth study of the historical, economic, social, political and diplomatic aspects of world civilizations.

AP WORLD HISTORY 1-2**5819900-5820900**

Two-semester course, grade level 10, 11, 12
Prerequisite: See Placement Criteria

AP World History is designed to provide students with the analytical skills and in-depth knowledge necessary to deal critically with the problems and materials in World History. The course will prepare qualified students who wish to complete studies in secondary school equivalent to an introductory college course in world history. The purpose of the course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies.

**WORLD HISTORY /
GEOGRAPHY SKILLS 1-2****0410110-0410120**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval

This course is based on the Arizona State Social Studies Standards for World History. It provides students with the skills and knowledge to understand the major concepts, characteristics, events and people of modern world history. The course will include an overview of both Eastern and Western Hemispheres and world geography. Economic and political developments, geographic concepts, belief systems and cultural contributions are integrated into the curriculum.

**US / ARIZONA HISTORY
SKILLS 1-2****0410070-0410080**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering

This course focuses on the basic concepts of US and Arizona History as it pertains to everyday life and experiences. The student will learn how historical events impacted our evolution as a country, as well as current events.

**FUNCTIONAL US / ARIZONA
HISTORY 1-2****0410090-0410100**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. The Functional US/Arizona History course provides an overview of the basic concepts of US and Arizona History as it pertains to everyday life and experiences. The student will learn how historical events impacted our evolution as a country, as well as current events. This course may be repeated for credit.

FUNCTIONAL GOVERNMENT**0410130**

One-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. This course focuses on civics and the role and organization of national and state governments. It also describes how our political structure works for the good of society. This course will continue to prepare and empower students to make choices as responsible participants in society. The course can be taken multiple times as the student moves toward proficiency in these areas.

FUNCTIONAL ECONOMICS**0410140**

One-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering

The goal of the community-based training program is to prepare students to function as independently and productively as possible in their current, future, domestic, school, vocational, recreational and community environments. This course is an introduction to the basic tenets of economic systems. Topics explored include economic reasoning, financial literacy, and personal finance. The course can be taken multiple times as the student moves toward proficiency in these areas.

ECONOMICS SKILLS**0410050**

One-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering

This course is an introduction to the foundations and methods of economics. The focus of this course is the characteristics of different economic systems, the essential component of private property in a free-market environment, the role of government in the economy of the United States and the effects of international trade and development on our lives.

GOVERNMENT SKILLS**0410060**

One-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering

This course focuses on national and state governments. The course describes how groups in our country give power to political institutions to make binding decisions for the good of society. The student will analyze civic life, politics and the basic forms of government. The course teaches the basic foundations of the American political system and how government established by a constitution embodies the purposes, values and principles of American democracy. America's role in the world with other nations and the matters of world affairs are discussed. The concepts explored in this course will continue to prepare and empower students to make choices as responsible participants in society.

SOCIAL STUDIES ELECTIVES

AP HUMAN GEOGRAPHY 1-2

5815900-5816900

Two-semester course, grade level 9,10, 11, 12
Prerequisite: See Placement Criteria

This course will introduce students to the systematic patterns and processes that have shaped human understanding, use, and alteration of the earth's surface. Students will prepare for the Advanced Placement examination in human geography.

SOCIOLOGY

5849000

One-semester course, grade level 11, 12
Prerequisite: None

Sociology introduces the student to the science of human behavior. The student is made aware that human behavior is a product of the natural social and cultural living environments. Human groups and their interaction are explored.

SOCIAL, CULTURAL AND ETHNIC EXPLORATION

0500550

One-semester course, grade level 9,10,11,12
Prerequisite: None

Social, Cultural and Ethnic Exploration will explore the study of race, ethnicity, culture and social norms with a focus on the experiences and perspectives of the diverse people within our local, state and national communities. Students will engage in meaningful learning experiences that address the continuously changing demographics of the United States. The course will analyze how historical contexts shaped and continue to shape people's perspective and demonstrate historical empathy when examining individuals or groups in the past whose perspectives might be very different from those held today. The course will culminate in a personal capstone project.

SOCIAL STUDIES INDEPENDENT STUDY 1-2

5887001-5888001

Two-semester course, grade level 12
Prerequisite: Prior approval of the Principal, Social Studies Instructor and Social Studies Instructional Leader

Independent Study provides the opportunity for the advanced student to investigate and study independently an area of interest in the Social Sciences. The student is provided with tools of inquiry and research methods and techniques. District procedures for independent study must be followed and the student is encouraged to consult the Counseling Department concerning the guidelines.

VIRTUAL LEARNING

ALGEBRA – VL 1-2

0220010-0220020

Two-semester course, grade level 9, 10
Prerequisite: None

This course is designed to prepare students to meet the AZ Math Standards graduation requirement and provide students with the mathematical background necessary to meet college entrance requirements. Concept units include solving, graphing and writing linear functions, system of equations, exponents, radicals, polynomials, quadratics and statistics. Students who have previously received credit for Algebra 1-2 H may not receive credit for Algebra 1-2.

ALGEBRA – VL 3-4

0220030-0220040

Two-semester course, grade level 10, 11, 12
Prerequisite: Geometry 1-2 with a grade of C or better

This course is designed to provide students with the mathematical background necessary to meet college entrance requirements and is aligned with the Arizona Mathematics Standards. Concept units include Linear Functions and Equations, Quadratic Functions and Equations, Polynomial and Rational Functions and Equations, Exponential Functions and Equations, Trigonometric Functions, Modeling Functions, Statistics, and Probability. Students who have previously received credit for Algebra 3-4 H may not receive credit for Algebra 3-4. Students entering the ninth grade in 2009-2010 and later must successfully complete at least four (4) units of mathematics and one of the credits must be equivalent to Algebra 3-4.

ART HISTORY – VL

0520010

One-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This is the study of art history from all periods. Students will describe, analyze, interpret and make judgments about visual images that may be important to the development of a student's ability to critically analyze and problem solve. Students will make aesthetic judgments through comparison and contrasting characteristics of art works made in different time periods and cultures.

BIOLOGY – VL 1-2

0320010-0320020

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: Placement criteria

Biology VL 1-2 is a laboratory science course designed to meet the Arizona and national standards for life science. Students of Biology VL 1-2 will engage in scientific inquiry to uncover concepts related to cellular processes, interdependence of organisms and the environmental system, genetics, and the molecular basis of heredity, and the scientific principles and processes involved in biological evolution. Students who previously received credit for Biology 1-2 or Biology 1-2 H may not receive credit for Biology VL 1-2.

CAREER EXPLORATION – VL 1-2 (10-12 ONLY)

2220050-2220060

Two-semester course, grade level 10, 11, 12
Prerequisite: None

This course prepares students to make informed decisions about their future academic and occupational goals. Through direct instruction, interactive skill demonstrations, and practice assignments, students learn how to assess their own skills and interests, explore industry clusters and pathways, and develop plans for career and academic development.

CHEMISTRY – VL 1-2

0320070-0320080

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Chemistry 1-2 is a laboratory science course designed to explore matter and composition of the world. The major instructional areas are: identifying consistencies in experimental data, structure of matter as a key to chemical and physical properties, mole concept, and energy changes in matter, conservation of energy, equilibrium systems and stoichiometric relationships. Laboratory work and scientific method are emphasized.

CHINESE – VL 1-2**0620090-0620100****CHINESE – VL 3-4****0620110-0620120**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Chinese 1-2 is an introductory level course for students who wish to begin their study of the Chinese language. Emphasis is on the basic fundamentals of speaking, listening, reading and writing. Chinese culture and history are introduced as well.

Chinese 3-4, the second year Chinese course, builds on proficiency developed in Chinese 1-2. Emphasis is on development of oral proficiency and knowledge of Chinese culture.

CONCEPTS IN PROBABILITY AND STATISTICS – VL 1-2**0200210-0200220**

Two-semester course, grade level 9,10,11,12
Prerequisite: none

This course begins with an in-depth study of probability, with a focus on conceptual understanding. Students then move into an exploration of sampling and comparing populations. The first semester closes with units on data distributions and data analysis—including how to summarize data sets with a variety of statistics. In the second half of the course, students create and analyze scatter-plots and begin a basic study of regression. Then they study two-way tables and normal distributions, learning about powerful applications such as hypothesis testing. Finally, students return to probability at a more advanced level, focusing on topics such as conditional probability, combinations and permutations, and sets.

ECONOMICS – VL**0420050**

One-semester course, grade level 11, 12
Prerequisite: None

This course is an introduction to the foundations and methods of economics. Economics is the study of how people choose to use their limited resources to produce, exchange and consume goods and services and how these scarce resources are allocated among competing ends. The course will examine the characteristics of different economic systems, the essential component of private property in a free-market environment, the role of government in the economy of the United States and the effects of international trade and development on our lives. The course is based on the national and Arizona State Social Studies Standards for Economics.

ENGLISH – VL 1-2**0120010-0120020**

Two-semester course, grade level 9
Prerequisite: None

English 1-2 is the beginning course in the series for required English credits. Instruction builds upon the reading, writing, listening, speaking and critical thinking foundations established in 8th grade. Included is the study of thematic literature collections related to personal experiences. Reading comprehension strategies and control of the six traits of writing are emphasized. Active listening and speaking are practiced in formal and informal situations. A variety of media presentations is evaluated for social and cultural messages.

ENGLISH – VL 3-4**0120030-0120040**

Two-semester course, grade level 10
Prerequisite: Completion of English 1-2

English 3-4 continues to refine and expand skills developed in English 1-2. Thematic collections of world literature, with an emphasis on the universality of themes, are presented. The six traits of writing are further refined in the context of narrative and academic writing. MLA guidelines are introduced.

ENGLISH – VL 5-6**0120050-0120060**

Two-semester course, grade level 11
Prerequisite: Completion of English 3-4

English 5-6 continues the study of structural elements of fiction and nonfiction through the analysis of literary periods and their subsequent social values. The literature of the United States and the Americas is emphasized. The six traits of writing are refined in the context of analytical and persuasive writing. Students engage in self-evaluation and respond to audience feedback on their speaking and listening skills. Media forms are examined for their impact on all aspects of society.

ENGLISH – VL 7-8**0120070-0120080**

Two-semester course, grade level 12
Prerequisite: Completion of English 5-6

English 7-8 is the final course in the series of required English courses. The curriculum uses international classics, with emphasis on British literature, to provide a worldview of mankind throughout the centuries and across the regions of the world. Proficiency in all six traits of writing is expected in all writing forms. Research findings are presented using MLA style in a research paper. A comparison of the impact of multiple media forms on society is studied.

ENVIRONMENTAL SCIENCE – VL 1-2**0320030-0320040**

Two-semester course, grade level 10, 11, 12
Prerequisite: Biology 1-2

Environmental Science 1-2 is a laboratory science course designed to explore the interrelationship of humanity on the local and global environment. Emphasis is on helping the student make decisions based on facts about our ability to live in harmony with the environment. This course is activity-oriented and includes such topics as ecological relationships, use and consumption of our natural resources, energy and problems resulting from population growth.

FRENCH – VL 1-2**0620050-0620060****FRENCH – VL 3-4****0620070-0620080**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

French 1-2 is designed to give students basic proficiency in reading, writing, speaking and understanding the French language. Audiovisual techniques will be used. Emphasis is on development of oral proficiency and knowledge of Francophone cultures.

French 3-4, the second year French course, builds on proficiency developed in French 1-2. Emphasis is on development of oral proficiency and knowledge of Francophone cultures.

GEOMETRY – VL 1-2**2220050-2220060**

Two-semester course, grade level 9, 10, 11
Prerequisite: Algebra 1-2 H or Algebra 1-2 with a grade of C or better

This course, with its prerequisites, is designed to prepare students to meet the AZ Mathematics Standards graduation requirement, and provide students with the mathematical background necessary to meet college entrance requirements. Concept units include foundations and tools for geometry, constructions, introduction to transformational geometry, proving geometric theorems, triangle congruence, quadrilaterals, similarity, trigonometry, two and three dimensional figures, and circles. Students who have previously received credit for Geometry 1-2 H may not also receive credit for Geometry 1-2.

HEALTH – VL**0820010**

One-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This course covers a variety of topics including safety education, environment, foods, drugs, exercise, accidents, diseases, immunization, nutrition and body care. This course is a graduation requirement.

INTRODUCTION TO HEALTH SCIENCE – VL 1420030

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This high school course introduces students to a variety of healthcare careers, as they develop the basic skills required in all health and medical sciences. In addition to learning the key elements of the U.S. healthcare system, students learn terminology, anatomy and physiology, pathologies, diagnostic and clinical procedures, therapeutic interventions, and the fundamentals of medical emergency care. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the health care field.

INTRODUCTION TO INFORMATION TECHNOLOGY – VL**1020030-1020040**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This course introduces students to the essential technical and professional skills required in the field of Information Technology (IT). Through hands-on projects and written assignments, students gain an understanding of the operation of computers, computer networks, Internet fundamentals, programming, and computer support. Students also learn about the social impact of technological change and the ethical issues related to technology. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the field of IT.

ONLINE LEARNING & DIGITAL CITIZENSHIP – VL**5259000-5260000**

One-Semester course, grade level 9, 10, 11, 12
Prerequisite: None

This course provides students with a comprehensive introduction to online learning, including how to work independently, stay safe, and develop effective study habits in virtual learning environments. Featuring direct-instruction videos, interactive tasks, authentic projects, and rigorous assessments, the course prepares students for high school by providing in-depth instruction and practice in important study skills such as time management, effective note taking, test preparation, and collaborating effectively online. By the end of the course, students will understand what it takes to be successful online learners and responsible digital citizens.

PERSONAL FINANCE – VL**1220010**

One-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This introductory finance course teaches what it takes to understand the world of finance and make informed decisions about managing finances. Students learn more about economics and become more confident in setting and researching financial goals as they develop the core skills needed to be successful. In this One-semester course, students learn how to open bank accounts, invest money, apply for loans, apply for insurance, explore careers, manage business finances, make decisions about major purchases, and more. Students will be inspired by stories from finance professionals and individuals who have reached their financial goals.

PHYSICAL SCIENCE – VL 1-2**0320050-0320060**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Physical Science VL 1-2 is a rigorous laboratory science course designed to meet Arizona essential standards for the physical sciences, as well as additional selected earth science and national standards to meet the lab science requirement for state universities. Coursework includes the study of the basic concepts of chemistry and physics, and their application to natural processes on earth and in space. This course involves students in building conceptual and mathematical models using problem solving strategies, the science and engineering practices, and hands-on lab experiences, to acquire the abilities to do scientific inquiry and gain a knowledge base to support those inquiries.

PHYSICS – VL 1-2**0320090-0320100**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Physics 1-2 is a laboratory science course designed for students who may go to college. Topics include: motion, forces, energy, waves, light, electricity, magnetism, radioactivity, mechanical energy, nuclear physics and alternative energy sources. Major concepts are introduced through laboratory experiences.

PRE-CALCULUS – VL 1-2**0220090-0220100**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Pre-Calculus 1-2 is designed to prepare students for the study of calculus and is aligned with the Arizona Mathematics Standards. Concept units include functions, exponents, logarithms, analytic geometry, trigonometric functions and equations, triangle trigonometry, trigonometric addition formulas, polar coordinates, complex numbers, vectors, determinants, and sequences and series. Technology will play a large part in this course; especially hand-held graphing calculators. Depending on individual test scores, students may earn dual college credit for this course.

SOCIOLOGY – VL**0420070**

One-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Sociology introduces the student to the science of human behavior. The student is made aware that human behavior is a product of the natural social and cultural living environments. Human groups and their interaction are explored.

SPANISH – VL 1-2**0620010-0620020****SPANISH – VL 3-4****0620030-0620040**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Spanish 1-2 emphasizes oral proficiency. Emphasis is placed on the fundamentals of speaking and understanding basic Spanish. Reading about and discussing contemporary life in the Spanish-speaking world is a part of each lesson.

Spanish 3-4, the second year Spanish course, is a continuation of Spanish 1-2. Multimedia materials are used to bring to the student the cultural aspects of the Spanish-speaking world. Students develop oral proficiency as well as reading and writing skills.

STRATEGIES FOR ACADEMIC SUCCESS – VL**2220030**

One-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Offering a comprehensive analysis of different types of motivation, study habits, and learning styles, this One-semester course encourages high school and middle school students to take control of their learning by exploring varying strategies for success. Providing engaging lessons that will help students identify what works best for them individually, this One-semester course covers important study skills, such as strategies for taking high-quality notes, memorization techniques, test-taking strategies, benefits of visual aids, and reading techniques.

TRIGONOMETRY – VL 1-2**0220070-0220080**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This course is aligned with the Arizona College and Work Readiness Mathematics Standards and meets the fourth mathematics credit needed for graduation. This course prepares students for further studies in mathematics or for work in technical fields. Students learn the six trigonometric functions and demonstrate their use in the identities, inverse functions, radian measures, and special triangles. This course provides students with a background in both circular and periodic trigonometric functions. Its usefulness will be found in upper level math courses as well as several technical fields. Further, it will prepare students for items that will be encountered on college entrance exams and/or placement tests. Depending on the individual test scores, students may earn dual college credit for this course.

US / AZ HISTORY – VL 1-2**0420010-0420020**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

US/AZ History is the second course in the Social Studies Program. This course is a conceptual look at changing American culture, politics, environment and economy. The course's intent is to help students better understand the themes of history, which shaped and continue to impact our lives. The course also challenges the knowledge gained from the World History course and applies that background to America's perspective of the 20th Century. The concepts explored in this course will continue to prepare and empower students to make choices as responsible participants in society. The course is based on the AZ State Social Studies Standards for US/AZ History.

US GOVERNMENT – VL**0420060**

One-semester course, grade level 11, 12
Prerequisite: None

This course deals with national and state governments and describes how groups in our country give power to political institutions to make binding decisions for the good of society. The course analyzes civic life, politics and the basic forms of government; what the basic foundations of the American political system constitute; how government established by a constitution embodies the purposes, values and principles of American democracy. America's role in the world with other nations and the matters of world affairs are discussed. The concepts explored in this course will continue to prepare and empower students to make choices as responsible participants in society. The course is based on the Arizona State Social Studies Standards for Civics/Government.

WORLD HISTORY / GEOGRAPHY – VL 1-2**0420030-0420040**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

World History/Geography is the first course in the Social Studies Program. This course is designed to provide students with the skills and knowledge to understand the major concepts, characteristics, events and people of modern history. The course will include an overview of Western Civilization and world geography. Economic and political developments, geographic concepts, belief systems and cultural contributions are integrated into the curriculum. The course is based on the Arizona State Social Studies Standards for World History.

VISUAL ART

FINE ARTS GRADUATION REQUIREMENT:

One unit (Two-semesters) of any Art course will satisfy the PXU graduation requirement of 1.0 credit in Fine Arts. Instructor approval is required if enrolling in two or more visual arts courses in the same semester.

EXPLORATIONS IN ART 1-2**0500650-0500660**

Two-semester course, grade level 9, 10, 11, 12
\$20.00 Fee Per Semester
Prerequisite: None

Art 1-2 is an exploratory course covering most art mediums which include: drawing, painting, graphic arts and three dimensional work. A major emphasis will be on the use of the elements and principles of design as they relate to various problems. Students must complete semester one in order to participate in semester two, or with the approval of Instructor.

EXPLORATIONS IN ART 3-4**0500670-0500680**

Two-semester course, grade level 10, 11, 12
\$20.00 Fee Per Semester
Prerequisite: Instructor approval

Continuing to expand their knowledge of art mediums and elements of design, students will complete projects which involve research in art history, exploratory design, experimental sculpture or painting and new materials and techniques. The course will culminate in a slide portfolio of the students' work.

EXPLORATIONS IN ART 5-6**0500690-0500700**

Two-semester course, grade level 11, 12
\$20.00 Fee Per Semester
Prerequisite: Art 3-4 or Instructor approval

This third year art course is designed further develop student's skills and techniques. Students will begin the production of a portfolio demonstrating artistic skills and techniques while creating artworks that build upon personal interest and/or themes that are relevant to the student. Students will gain additional experience in advanced art skills.

ART HISTORY 1-2**4009000-4010000**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This is the study of art history from all periods. Students will describe, analyze, interpret and make judgments about visual images that may be important to the development of a student's ability to critically analyze and problem solve. Students will make aesthetic judgments through comparison and contrasting characteristics of art works made in different time periods and cultures.

AP ART HISTORY**4093900-4094900**

Two-semester course, grade level 10, 11, 12
Prerequisite: Art History 1-2 or Instructor approval

This is a course designed to reflect the academic rigors of a college level introduction to art history course. Students enrolled in this class will study the history of architecture, sculpture, painting and other art forms of world cultures. Human creativity from pre-historical times to the present day will be examined throughout the school year. *Students will be required to take the AP Art History Exam at the end of the school year.*

AP STUDIO ART 1-2**AP STUDIO ART: 2-D DESIGN 1-2****4091900-4092900****AP STUDIO ART: 3-D DESIGN 1-2****6270900-6271900****AP STUDIO ART: DRAWING 1-2****6272900-6273900**

Two-semester course, grade level 10, 11, 12
\$30.00 Fee Per Semester
Prerequisite: Instructor approval

This is a course designed to reflect the academic rigors of a college level studio art course. Students enrolled in this class will be required to produce a portfolio demonstrating a breadth of artistic skills and a concentration of a series of artwork relating to a common theme. This portfolio may allow the student to receive college art credit or advanced placement if he/she meets the requirements of the National College Board. Students have the option of submitting one of three different portfolios: Drawing, 2-D Design, or 3-D Design.

AP STUDIO ART 3-4**AP STUDIO ART: 2-D DESIGN 3-4****4095900-4096900****AP STUDIO ART: 3-D DESIGN 3-4****4097900-4098900****AP STUDIO ART: DRAWING 3-4****6274900-6275900**

Two-semester course, grade level 11, 12
\$30.00 Fee Per Semester
Prerequisite: AP Studio Art 1-2 and Instructor Approval

This is a course designed to reflect the academic rigors of a college level studio art course. Students enrolled in this class will be required to produce a portfolio demonstrating a breadth of artistic skills and a concentration of a series of artwork relating to a common theme. This portfolio may allow the student to receive college art credit or advanced placement if he/she meets the requirements of the National College Board. Students have the option of submitting one of three different portfolios: Drawing, 2-D Design, or 3-D Design.

CERAMICS 1-2**4011000-4012000**

Two-semester course, grade level 9, 10, 11, 12
 \$20.00 Fee Per Semester
 Prerequisite: None

Ceramics 1-2 provides students with an opportunity to explore and experiment with three-dimensional design in clay. Students will develop an awareness of functional and nonfunctional form, a knowledge of ceramic techniques and an aesthetic understanding of design and craftsmanship. Students must complete semester one in order to participate in semester two, or with the approval of the Instructor.

CERAMICS 3-4**4013000-4014000**

Two-semester course, grade level 10, 11, 12
 \$20.00 Fee Per Semester
 Prerequisite: Instructor approval

This course provides the opportunity for students to become familiar with sources and characteristics of clay; preparation and usage of glazes; purposes, types and problems of firing; and aesthetic and functional design in three-dimensional items. The course includes opportunities for students to develop a variety of ceramic forms by hand-building methods as well as throwing on the potter's wheel.

CERAMICS 5-6**4015003-4016003**

Two-semester course, grade level 11, 12
 \$20.00 Fee Per Semester
 Prerequisite: Ceramics 3-4 or Instructor Approval

This third year ceramics course is designed further develop student's skills and techniques. Students will begin the production of a portfolio demonstrating artistic skills and techniques while creating artworks that build upon personal interest and/or themes that are relevant to the student. Students will gain additional experience in advanced ceramics skills.

DESIGN & ADVERTISING AND FASHION 1-2**0500710-0500720**

Two-semester course, grade level 9, 10, 11, 12
 \$10.00 Fee Per Semester
 Prerequisite: Art 1-2 recommended

Students will learn the fundamentals of photographic image manipulation, branding, typography, advertising and marketing. Students will create soft-good products and market them via social media campaigns.

DIGITAL PHOTOGRAPHY 1-2**4005000-4006000**

Two-semester course, grade level 9, 10, 11, 12
 \$20.00 Fee Per Semester
 Prerequisite: None

This course explores the world through the camera lens and computer imaging software. Learning to synthesize, manipulate, and apply the computer software is a major component of this course. The course curriculum is designed around the elements of art and principles of design as they relate to various problems in digital photography. Students must complete semester one in order to participate in semester two, or with the approval of the Instructor.

DIGITAL PHOTOGRAPHY 3-4**4007000-4008000**

Two-semester course, grade level 10, 11, 12
 \$20.00 Fee Per Semester
 Prerequisite: Instructor Approval

Digital Imaging 3-4 builds on the foundations of Digital Imaging 1-2. This course allows more freedom to continue building on projects of personal expression for art exhibits, contests and senior portfolio shows.

DIGITAL PHOTOGRAPHY 5-6**1100190-1100200**

Two-semester course, grade level 11, 12
 \$20.00 Fee Per Semester
 Prerequisite: Digital Photography Imaging 3-4 or Instructor Approval

This third year digital photography and imaging course is designed further develop student's skills and techniques. Students will begin the production of a portfolio demonstrating artistic skills and techniques while creating artworks that build upon personal interest and/or themes that are relevant to the student. Students will gain additional experience in advanced photography and image manipulation techniques.

DRAWING / PAINTING 1-2**4031000-4032000**

Two-semester course, grade level 9, 10, 11, 12
 \$20.00 Fee Per Semester
 Prerequisite: None
 Drawing & Painting 2- Drawing & Painting 1 or instructor approval.

This course provides students experience in a wide range of drawing and painting media, as employed by professional artists. Students will also explore the arts from historical and cultural perspectives to further develop their knowledge and understanding of selected artworks. It is recommended for all students interested in developing or improving their drawing and painting skills as well as their understanding of the arts. Students must complete semester one in order to participate in semester two, or with the approval of the Instructor.

DRAWING / PAINTING 3-4**4033000-4034000**

Two-semester course, grade level 10, 11, 12
 \$20.00 Fee Per Semester
 Prerequisite: Instructor approval

This second year course will give students who have interests and talents in the arts the opportunity to further develop their skills in the use of the media, tools, and techniques, of the professional artist. Students will continue to explore the arts from historical and cultural aspects to aide in development of their own personal style. As students learn how to use the principles of design in their artwork, they will encouraged to develop self-motivated studio practices and disciplines.

DRAWING / PAINTING 5-6**0500290-0500300**

Two-semester course, grade level 11, 12
 \$20.00 Fee Per Semester
 Prerequisite: Drawing and Painting 3-4 or Instructor approval

This third year drawing and painting course is designed further develop student's skills and techniques. Students will begin the production of a portfolio demonstrating artistic sills and techniques while creating artworks that build upon personal interest and/or themes that are relevant to the student. Students will gain additional experience in advanced drawing and painting skills.

PHOTOGRAPHY 1-2**4041000-4042000**

Two-semester course, grade level 9, 10, 11, 12
 \$20.00 Fee Per Semester
 Prerequisite: None

This course is designed to provide the student with basic information and skills necessary to operate a camera and do basic processing and printing which may include digital imaging. Students will explore past and present photographic concepts and become aware of the design principles and elements involved in the art of photography. Students must complete semester one in order to participate in semester two, or with the approval of the Instructor.

PHOTOGRAPHY 3-4**4043000-4044000**

Two-semester course, grade level 10, 11, 12
 \$20.00 Fee Per Semester
 Prerequisite: Instructor approval

This second year photography course is designed to provide the student with more advanced skills and introduce him/her to specialized photographic techniques, issues in photography, portraiture, medium format camera techniques and alternatives to the black and white process which may also include digital imaging.

PHOTOGRAPHY 5-6**0500330-0500340**

Two-semester course, grade level 11, 12
 \$20.00 Fee Per Semester
 Prerequisite: Photography 3-4 or Instructor approval

This third year traditional photography course is designed further develop student's skills and techniques while creating artworks that build upon personal interest and/or themes that are relevant to the student. Students will gain additional experience in advanced photography techniques.

ART INDEPENDENT STUDY 1-2

ART IND ST: ART 1-2	6929000-6930000
ART IND ST: CERAMICS 1-2	4085001-4086001
ART IND ST: DIGITAL PHOTOGRAPHY 1-2	6258001-6259001
ART IND ST: DRAWING / PAINTING 1-2	6260001-6261001
ART IND ST: TRADITIONAL PHOTOGRAPHY 1-2	6262001-6263001

Two-semester course, grade level 9, 10, 11, 12

\$30.00 Fee Per Semester

Prerequisite: Prior approval of the Art Instructor and Department Instructional Leader

This is an elective independent research class. Students will be involved in independent research projects in areas they have a special interest and ability.

ART INDEPENDENT STUDY 3-4

ART IND ST: ART 3-4	6931000-6932000
ART IND ST: CERAMICS 3-4	4087001-4088001
ART IND ST: DIGITAL PHOTOGRAPHY 3-4	6264001-6265001
ART IND ST: DRAWING / PAINTING 3-4	6266001-6267001
ART IND ST: TRADITIONAL PHOTOGRAPHY 3-4	6268001-6269001

Two-semester course, grade level 12

\$30.00 Fee Per Semester

Prerequisite: Three years of Art and prior approval of the Art Instructor and Department Instructional Leader

This is an elective independent research class for twelfth grade students having at least 3 years of high school art. Students will be involved in independent research projects in areas they have a special interest and ability focusing on historical, exploratory, and experimental aspects of working with new materials and techniques.

SPANISH PLACEMENT AND COURSE SEQUENCE

Initial placement in Spanish courses is based on the essential question: "Can you have a conversation in Spanish?"

If a student answers yes to the essential question, the Spanish Reading Placement test is required. The Spanish Reading Placement test will be administered by the World Language Department at every campus in order to determine initial placement.

	INITIAL PLACEMENT RECOMMENDATION BASED ON ESSENTIAL QUESTION "CAN YOU HAVE A CONVERSATION IN SPANISH?"	
	No No Spanish Placement Test Required	Yes Spanish Placement Test Required
Year 1	Spanish 1-2 or 1-2 H	SSS 1-2 H
Year 2	Spanish 3-4 or 3-4 H	SSS 3-4 H
Year 3	Spanish 5-6 H	AP Spanish Language 1-2
Year 4	AP Spanish Language 1-2	AP Spanish Literature 1-2
Year 5	AP Spanish Literature 1-2	World Languages Independent Study 1-2

Abbreviation key: SSS = Spanish for Spanish Speakers AP = Advanced Placement

WORLD LANGUAGES

AMERICAN SIGN LANGUAGE 1-2 4857000-4858000

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: None

This course is designed to help the non-signer and/or beginning signer develop basic signing skills and knowledge in American Sign Language (ASL), Deaf Culture and Deaf people. Emphasis will be on skill demonstration and comprehension as well as knowledge of the deaf community and development of cultural awareness necessary for maximal communication and interaction. The student will begin with visual readiness activities and then progress through a group of target grammatical items taught within meaningful context that stress the use of questions, statements, commands, and conversational rules such as attention getting and turn taking. Basic fingerspelling will also be stressed.

AMERICAN SIGN LANGUAGE 1-2 H 4857600-4858600

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: Instructor approval

This is an accelerated honors course that is designed to help the non-signer and/or beginning signer develop basic signing skills and knowledge in American Sign Language (ASL), Deaf Culture and Deaf people. Emphasis will be on skill demonstration and comprehension as well as knowledge of the deaf community and development of cultural awareness necessary for maximal communication and interaction. The student will begin with visual readiness activities and then progress through a group of target grammatical items taught within meaningful context that stress the use of questions, statements, commands, and conversational rules such as attention getting and turn taking. Basic fingerspelling will also be stressed.

AMERICAN SIGN LANGUAGE 3-4 4859000-4860000

Two-semester course, grade level 10, 11, 12

Prerequisite: American Sign Language 1-2

This course is designed to continue the skills developed in American Sign Language (ASL) Level 1-2. It will continue to expand the emphasis on ASL grammar, syntax, spatial referencing, and vocabulary development. Dialogues, short stories, narratives, and conversations will focus on Deaf culture and descriptions of people and surroundings. A more detailed exploration into the history of deafness and the history of Deaf education will occur. Employment opportunities within deaf and hearing impaired related fields of work will be researched. Students will further explore the dynamics of the Deaf Community through interaction with the Deaf students at MTHS and the Deaf Community at large.

AMERICAN SIGN LANGUAGE 3-4 H 4859600-4860600

Two-semester course, grade level 10, 11, 12

Prerequisite: American Sign Language 1-2 H or Instructor approval

This is an accelerated honors course designed to continue the skills developed in American Sign Language (ASL) Level 1-2. It will continue to expand the emphasis on ASL grammar, syntax, spatial referencing, and vocabulary development. Dialogues, short stories, narratives, and conversations will focus on Deaf culture and descriptions of people and surroundings. A more detailed exploration into the history of deafness and the history of Deaf education will occur. Employment opportunities within deaf and hearing impaired related fields of work will be researched. Students will further explore the dynamics of the Deaf Community through interaction with the Deaf students at MTHS and the Deaf Community at large.

AMERICAN SIGN LANGUAGE 5-6 H 4869600-4870600

Two-semester course, grade level 11, 12
Prerequisite: American Sign Language 3-4

This is an accelerated honors course designed to continue the skills developed in American Sign Language (ASL) Level 3-4. It will continue to expand the emphasis on ASL grammar, syntax, spatial referencing, and vocabulary development. Dialogues, short stories, narratives, and conversations will focus on Deaf culture and descriptions of people and surroundings. A more detailed exploration into the history of deafness and the history of Deaf education will occur. Employment opportunities within deaf and hearing impaired related fields of work will be researched. Students will further explore the dynamics of the Deaf Community through interaction with the Deaf students at MTHS and the Deaf Community at large.

AMERICAN SIGN LANGUAGE 7-8 H 6746600-6747600

Two-semester course, grade level 12
Prerequisite: Successful completion of American Sign Language 5-6 H or by recommendation of the teacher.

This is an accelerated honors course designed to continue the skills developed in American Sign Language (ASL) Level 5-6 Honors. ASL grammar, syntax, spatial referencing, and vocabulary development will be emphasized at an advanced level. Dialogues, short stories, narratives, and conversations will focus on Deaf culture, real life situations and occurrences. ASL education opportunities beyond the High School level will be researched as well as employment opportunities within deaf and hearing impaired related fields of work. Students will continue to apply their ASL and explore the Deaf Community through interaction with the Deaf students at their High School and the Deaf Community at large.

CHINESE 1-2 4891000-4892000

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Chinese 1-2 is an introductory level course for students who wish to begin their study of the Chinese language. Emphasis is on the basic fundamentals of speaking, listening, reading and writing. Chinese culture and history are introduced as well.

CHINESE 3-4 0600010-0600020

Two-semester course, grade level 10, 11, 12
Prerequisite: Chinese 1-2

Chinese 3-4, the second year Chinese course, builds on proficiency developed in Chinese 1-2. Emphasis is on development of oral proficiency and knowledge of Chinese culture.

CHINESE 5-6 H 4895603-4896603

Two-semester course, grade level 11, 12
Prerequisite: Successful completion of Chinese 3-4 H or recommendation of Instructor

Chinese 5-6 H will review and enhance what has been learned, emphasizing spoken and written communication. Students will continue to increase their understanding of traditional and modern Chinese culture, arts and literature.

CHINESE 7-8 H 4897603-4898603

Two-semester course, grade level
Prerequisite: Successful completion of Chinese 5-6 H or recommendation of Instructor

Chinese 7-8 H will review and expand Chinese language skills with extra emphasis on more formal writing and advanced conversation levels. Students will receive additional exposure to modern and traditional Chinese culture, arts and literature.

DINÉ (NAVAJO) 1-2 4853000-4854000

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Diné is a two-semester course which receives world languages credit and fulfills one year of the university admissions requirement for foreign language. Communication skills (listening, speaking, reading and writing) are taught using interactive strategies with emphasis on authentic language use. There is an emphasis on Diné cultural heritage and literature.

DINÉ (NAVAJO) 1-2 H**4853600-4854600**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: Honors Placement or recommendation of Instructor

Diné 1-2 H is the first year of language within the honors program. This course is designed to give students exceptional proficiency in reading, writing, speaking and understanding the Diné language.

DINÉ (NAVAJO) 3-4**4855000-4856000**

Two-semester course, grade level 10, 11, 12
Prerequisite: Diné 1-2

Diné 3-4, the continuation of Diné 1-2 is a two-semester course for world languages credit and fulfills one year university admissions requirement for foreign language. Communication skills (listening, speaking, and reading) are taught using interactive strategies with emphasis on authentic language use. There is an emphasis on the Diné cultural heritage and literature.

DINÉ (NAVAJO) 3-4 H**4855600-4856600**

Two-semester course, grade level 10, 11, 12
Prerequisite: Successful completion of Diné 1-2 H or recommendation of Instructor

Diné 3-4 H is the second year of language within the honors program. This course is designed to build on the proficiency developed in Diné 1-2 H. Diné 3-4 H will place emphasis on developing exceptional proficiency in oral expression and knowledge of the Diné culture.

DINÉ (NAVAJO) 5-6**0600510-0600520**

Two-semester course, grade level 11, 12
Prerequisite: Diné 1-2, Diné 3-4

Diné 5-6, the continuation of Diné 3-4 is a two-semester course for world languages credit and fulfills one year university admissions requirement for foreign language. Communication skills (listening, speaking, writing and reading) are taught using interactive strategies with emphasis on authentic language use. There is an emphasis on the Diné cultural heritage and literature.

FARSI 1-2**0600390-0600400**

Two-semester course, grade level 9,10,11,12
Prerequisite: None

This course introduces students to the Farsi language. Students learn the basics of language skills in all aspects of reading, writing, listening comprehension, and speaking with emphasis placed on the functional usage of the language. In addition, cultural elements are explored to navigate a global perspective.

FARSI 3-4**0600410-0600420**

Two-semester course, grade level 9-10-11-12
Prerequisite: Farsi 1-2

Farsi 3-4, the second year Farsi course, builds on proficiency development in Farsi 1-2. Students learn the basics of language skills in all aspects of reading, writing, listening comprehension, and speaking with emphasis placed on communicative methods. In addition, cultural elements are explored to navigate a global perspective.

FRENCH 1-2**4801000-4802000**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

French 1-2 is the first level of French. Emphasis is placed on acquiring Standard French. Students will gain skills in the five standards of World Languages at the **Novice High** Performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Acquiring an additional language will prepare students to become an integral part of the global cultural community while fulfilling college requirements.

Next course of study: French 3-4

FRENCH 1-2 H**4801600-4802600**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: Honors Placement or Instructor recommendation

French 1-2 Honors is the first level of French. Emphasis is placed on acquiring Standard French. Students will gain skills in the five standards of World Languages at the Novice High Performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Acquiring an additional language will prepare students to become an integral part of the global cultural community while fulfilling college requirements.

Honors Capstone project required.

Next course of study: French 3-4 H

FRENCH 3-4**4803000-4804000**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: French 3-4 or instructor recommendation

French 3-4 is the second level of French. Emphasis is placed on acquiring Standard French. Students will gain skills in the five standards of World Languages at the **Intermediate Low** Performance level: Interpretive Listening (IL) and Reading (IR), and at the **Novice High** Performance level: Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Acquiring an additional language will prepare students to become an integral part of the global cultural community while fulfilling college requirements.

Next course of study: French 5-6 H

FRENCH 3-4 H**4803600-4804600**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: French 1-2 H or instructor recommendation

French 3-4 Honors is the second level of French. Emphasis is placed on acquiring Standard French. Students will gain skills in the five standards of World Languages at the **Intermediate Low** Performance level: Interpretive Listening (IL) and Reading (IR), and at the **Novice High** Performance level: Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Acquiring an additional language will prepare students to become an integral part of the global cultural community while fulfilling college requirements. Honors Capstone project required.

Next course of study: French 5-6 H

FRENCH 5-6 H**4805600-4806600**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: French 3-4, French 3-4 H or instructor recommendation

French 5-6 Honors is the third level of French. Emphasis is placed on acquiring Standard French. Students will gain skills in the five standards of World Languages at the **Intermediate Moderate** Performance level: Interpretive Listening (IL) and Reading (IR), and at the **Intermediate Low** Performance level: Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Acquiring an additional language will prepare students to become an integral part of the global cultural community while fulfilling college requirements.

Honors Capstone project required.

Next course of study: AP French Language and Culture

AP FRENCH LANGUAGE AND CULTURE**4879900-4880900**

Two-semester course, grade level 10, 11, 12

Prerequisite: French 5-6 H or instructor recommendation

AP French Language & Culture will prepare students for the AP exam. Following the Advanced Placement curriculum, students will refine skills in the five standards of World Languages at the **Intermediate High** Performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC).

GERMAN 1-2**0600430-0600440**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: none

German 1-2 is the first level of German. Emphasis is placed on acquiring Standard German. Students will gain skills in the five standards of World Languages at the **Novice Mid** performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Acquiring an additional language will prepare students to become an integral part of the global cultural community while fulfilling college requirements.

Next course of study: German 3-4

GERMAN 1-2 H**0660090-0660100**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: Honors placement or Instructor recommendation

German 1-2 Honors is the first level of German. Emphasis is placed on acquiring Standard German. Students will gain skills in the five standards of World Languages at the **Novice Mid** performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Acquiring an additional language will prepare students to become an integral part of the global cultural community while fulfilling college requirements.

Honors Capstone project required.

Next course of study: German 3-4 Honors

GERMAN 3-4**0600450-0600460**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: German 1-2 or instructor recommendation

German 3-4 is the second level of German. Emphasis is placed on acquiring Standard German. Students will gain skills in the five standards of World Languages at the **Novice High** performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Acquiring an additional language will prepare students to become an integral part of the global cultural community while fulfilling college requirements.

Next course of study: N/A

GERMAN 3-4 H**0660110-0660120**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: German 1-2, German 1-2 H or instructor recommendation

German 3-4 Honors is the second level of German. Emphasis is placed on acquiring Standard German. Students will gain skills in the five standards of World Languages at the **Novice High** performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Acquiring an additional language will prepare students to become an integral part of the global cultural community while fulfilling college requirements.

Honors Capstone project required.

Next course of study: N/A

JAPANESE 1-2**600270-600280**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: None

Japanese 1-2 is an introductory course of a four-year program to attain basic fluency, focusing on language acquisition and cultural norms. Students will study basic writing systems, learn introduction and basic conversational skills, and attain cultural knowledge for communicating with native speakers.

JAPANESE 1-2 H**0600270-0600280**

Two-semester course, grade level 9, 10, 11, 12

Prerequisites: None

Japanese 1-2 H is the first year of language within the honors program. This course is designed to give students exceptional proficiency to attain fluency, focusing on language acquisition and cultural norms. Students will study writing systems, learn conversational skills, and attain cultural knowledge for communicating with native speakers.

JAPANESE 3-4**600290-600300**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Japanese 3-4: In the second course of a four-year program to attain basic fluency, focusing on language acquisition and cultural norms. Students will study basic writing systems, learn introduction and basic conversational skills, and attain cultural knowledge for communicating with native speakers.

JAPANESE 3-4 H**0600290-0600300**

Two-semester course, grade level 10, 11, 12
Prerequisites: Successful completion of Japanese 1-2 H or recommendation of Instructor

Japanese 3-4 H is the second year of language within the honors program. This course is designed to build on the proficiency developed in 1-2 H. Japanese 3-4 H will place emphasis on developing exceptional proficiency in oral expression and knowledge of the Japanese culture.

JAPANESE 5-6 H**0600310-0600320**

Two-semester course, grade level 11, 12
Prerequisites: Successful completion of Japanese 3-4 H or recommendation of Instructor

Japanese 5-6 H, the third year Japanese honors course, will review and enhance learning from Japanese 1-2 H and Japanese 3-4 H, emphasizing spoken and written communication. Emphasis is on development of oral proficiency and knowledge of Japanese cultures.

JAPANESE 7-8 H**0600330-0600340**

Two-semester course, grade level 11, 12
Prerequisite: Successful completion of Japanese 5-6 H or recommendation of Instructor

Japanese 7-8 H will review and expand Japanese language skills with extra emphasis on more formal writing and advanced conversation levels. Students will receive additional exposure to modern and traditional Japanese culture, arts and literature.

AP JAPANESE & LANGUAGE CULTURE**4867903-4868903**

Two-semester course, grade level 12
Prerequisite: Japanese 5-6

This course will prepare students for the AP Japanese language and culture exam. Students will develop advanced listening, speaking, reading and writing skills following the advanced placement curriculum. Modern and traditional culture and lifestyle will be emphasized.

LATIN 1-2**4841000-4842000**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Latin 1-2 offers studies in the principles of elementary Latin and prepare students for advanced study. The study of Latin helps students develop a vocabulary which can be used in professional vocations as well as understand the derivation of words. Emphasis is placed on history and cultures of ancient Rome.

RUSSIAN 1-2**0600350-0600360****RUSSIAN 3-4****0600370-0600380**

Two-semester course, grade level 9,10,11,12
Prerequisites: none

Russian is a two-semester course which receives world languages credit and fulfills one year of the university admissions requirement for foreign language. Communication skills (listening, speaking, reading and writing) are taught using interactive strategies with emphasis on authentic language use. There is an emphasis on Russian culture where students will develop wide world awareness.

SPANISH 1-2**4821000-4822000**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Spanish 1-2 is the first level of Spanish. Emphasis is placed on acquiring Standard Spanish. Students will gain skills in the five standards of World Languages at the **Novice High** performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Acquiring an additional language will prepare students to become an integral part of the global cultural community while fulfilling college requirements.

Next course of study: Spanish 3-4

SPANISH 1-2 H**4821600-4822600**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: Honors Placement or recommendation of Instructor

Spanish 1-2 Honors is the first level of Spanish. Emphasis is placed on acquiring Standard Spanish. Students will gain skills in the five standards of World Languages at the **Novice High** performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Acquiring an additional language will prepare students to become an integral part of the global cultural community while fulfilling college requirements. Honors Capstone project required.

Next course of study: Spanish 3-4 Honors

SPANISH 3-4**4823000-4824000**

Two-semester course, grade level 10, 11, 12
Prerequisite: Spanish 1-2 or instructor recommendation

Spanish 3-4 is the second level of Spanish. Emphasis is placed on acquiring Standard Spanish. Students will gain skills in the five standards of World Languages at the **Intermediate Low** performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Acquiring an additional language will prepare students to become an integral part of the global cultural community while fulfilling college requirements.

Next course of study: Spanish 5-6 Honors

SPANISH 3-4 H**4823600-4824600**

Two-semester course, grade level 10, 11, 12
Prerequisite: Spanish 1-2, Spanish 1-2 H or instructor recommendation

Spanish 3-4 Honors is the second level of Spanish. Emphasis is placed on acquiring Standard Spanish. Students will gain skills in the five standards of World Languages at the **Intermediate Low** performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Acquiring an additional language will prepare students to become an integral part of the global cultural community while fulfilling college requirements.

Honors Capstone project required.

Next course of study: Spanish 5-6 Honors

SPANISH 5-6 H**4825600-4826600**

Two-semester course, grade level 10, 11, 12
Prerequisite: Spanish 3-4, Spanish 3-4 H or instructor recommendation

Spanish 5-6 Honors is the third level of Spanish. Emphasis is placed on acquiring Standard Spanish. Students will gain skills in the five standards of World Languages at the **Intermediate Mid** performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Acquiring an additional language will prepare students to become an integral part of the global cultural community while fulfilling college requirements.

Honors Capstone project required.

Next course of study: AP Spanish Language & Culture 1-2

AP SPANISH LANGUAGE & CULTURE 1-2 **4827900-4828900**

Two-semester course, grade level 9-10-11-12

Prerequisite: Spanish 5-6 H, Spanish for Spanish Speakers 1-2H, Spanish for Spanish Speakers 3-4 H, or instructor recommendation

AP Spanish Language & Culture will prepare students for the AP exam. Following the Advanced Placement curriculum, students will refine skills in the five standards of World Languages at the **Intermediate High** performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC).

Next course of study: AP Spanish Literature & Culture

AP SPANISH LITERATURE & CULTURE 3-4 **6256000-6257000**

Two-semester course, grade level 10, 11, 12

Prerequisite: AP Spanish Language & Culture, or by instructor recommendation

The AP Spanish Literature course will prepare students for the AP exam. Following the Advanced Placement curriculum, students will refine skills in the five standards of World Languages at the **Advanced Low** performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC).

There is no other course of study after AP Spanish Literature & Culture.

SPANISH FOR SPANISH SPEAKERS 1-2 H **4811600-4812600**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: Spanish speaker, Spanish Placement Test or instructor recommendation

Spanish for Spanish Speakers 1-2 Honors is the first year of language study for Spanish-speaking students. Emphasis is placed on acquiring Standard Spanish. Students will refine skills in the five standards of World Languages at the following performance levels: **Intermediate Mid**: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW). **Intermediate High**: Interpersonal Communication (IC). Exposure to Advanced Placement themes will prepare students to become an integral part of the global cultural community while fulfilling college requirements.

Honors Capstone project required.

Next course of study: Spanish for Spanish Speakers 3-4 Honors

SPANISH FOR SPANISH SPEAKERS 3-4 H **7801000-7802000**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: Spanish speaker, Spanish for Spanish Speakers 1-2 H, Spanish Placement Test or instructor recommendation

Spanish for Spanish Speakers 3-4 Honors is the second year of language study for Spanish-speaking students. Emphasis is placed on acquiring Standard Spanish. Students will refine skills in the five standards of World Languages at the **Advanced Low** performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Exposure to Advanced Placement themes will prepare students to become an integral part of the global cultural community while fulfilling college requirements.

Honors Capstone project required.

Next course of study: AP Spanish Language & Culture 1-2

SPANISH FOR SPANISH SPEAKERS LANGUAGE ARTS 1-2 **4837000-4838000**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: Spanish speaker, Spanish Placement Test and/or instructor recommendation

Spanish for Spanish Speakers Language Arts 1-2 is an introductory course of the Spanish for Spanish Speakers curriculum for recently immigrated Spanish-speaking students who have very limited literacy skills in any language. Students are generally concurrently enrolled in Pre-Emergent/Emergent or Basic ELD courses. The curriculum is designed to develop and improve literacy skills in order to facilitate English acquisition. Emphasis is placed on acquiring Standard Spanish. Students will refine skills in the five standards of World Languages at the following performance levels: **Intermediate Low**: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW). **Intermediate Mid**: Interpersonal Communication (IC). This course does not meet the university admission requirement for world language study and does not replace any course in the world languages sequence.

Next course of study: Spanish for Spanish Speakers 1-2 Honors

WORLD LANGUAGES INDEPENDENT STUDY 1-2 **4889001-4890001**

Two-semester course, grade level 12

Prerequisite: Prior approval of the Principal, World Languages Instructor and Instructional Leader

Independent study provides the opportunity for advanced students to investigate and study independently an area of their own choosing in world languages. The student is provided with the tools of inquiry and research methods and techniques. District procedures for independent study must be followed and the student must consult with the Counseling Department concerning registration procedures.

STUDENT OPPORTUNITIES

Student receives elective credit, but the course is not included in class ranking.

INTRODUCTION TO HIGH SCHOOL **5919000**

1/2 credit

This course is designed as a summer orientation to high school to prepare students to be successful in courses which are required for graduation. It focuses on goals and objectives to promote student achievement in the core academic areas of reading, writing and mathematics. It is open to incoming ninth graders who will receive 1/2 general elective credit for successful completion of the course.

STUDENT ASSISTANT 1-2 **5911000-5912000**

STUDENT ASSISTANT 3-4 **5913000-5914000**

Four-semester course, grade level 9, 10, 11, 12

Prerequisite: None

Opportunities are provided for a limited number of selected students to receive practical work experience on the school campus and to receive credit for this work. A maximum of two units of elective credit may be earned toward graduation; however, no more than 1/2 unit of credit may be earned during One-semester.

STUDENT TUTORING (TUTEE) 1-2 **5921000-5922000**

STUDENT TUTORING (TUTEE) 3-4 **5923000-5924000**

One or more semesters, grade level 9, 10, 11, 12

Prerequisite: Instructor approval

This course provides student-student help to develop reading, writing, mathematics and study skills.

STUDENT TUTORING (TUTOR) 1-2 **5931000-5932000**

STUDENT TUTORING (TUTOR) 3-4 **5933000-5934000**

One or more semesters, grade level 9 (2nd semester only), 10, 11, 12

Prerequisite: Teacher approval

This course is designed to train students to help themselves and others develop reading, writing, mathematics and study skills.

GENERAL ELECTIVES

FRESHMEN CONNECTION 2200610-2200620

Two-semester course, grade level 9

The freshmen year of high school is a critical year in a student's academic life. This course is designed to guide and support a successful transition to high school. It will explore educational and career opportunities; promote school connectedness to the community; prepare students for the academic rigors of high school through organizational, time management, and study skills; and teach digital citizenship.

ACADEMIC DECATHLON 1-2 H 5289600-5290600

Two-semester course, grade level 9, 10, 11, 12

This course is for students who are participating in the Academic Decathlon program.

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID)

Students participating in the AVID program learn strategies to ensure success in college-prep course work. Students work individually, as well as in tutor-led collaborative groups. Cornell note taking, outlining, writing, speaking, reading and test-taking strategies are stressed. In addition, the course includes college motivational activities. The AVID curriculum focuses on Writing, Inquiry, Collaboration and Reading (WICR) through the AVID High School Libraries in both teacher and tutor-led activities.

Prerequisite: Instructor approval

EL Prerequisite: Students must qualify as an English Learner as measured by the Arizona English Language Learner Assessment (AZELLA). Instructor approval is also needed.

AVID 1-2 5291000-5292000

Two-semester course, grade level 9

The ninth grade AVID course is an elective class for freshmen students who are college bound.

AVID 3-4 5293000-5294000

Two-semester course, grade level 10

The tenth grade AVID course is an elective class for sophomore students who are college bound.

AVID 5-6 5295000-5296000

Two-semester course, grade level 11

The eleventh grade AVID course is an elective class for junior students who are college bound. Because eleventh grade students will be exposed to at least three Advanced Placement courses/tests, the course will emphasize Study Groups, their dynamics and how effective study groups work.

AVID 7-8 5297000-5298000

Two-semester course, grade level 12

In the senior year, the AVID course is a continuation of the curriculum of the junior year; however the emphasis is on applying to colleges and universities. Students will also focus on completing and competing for the many scholarship opportunities available.

COMPUTER CODING 1-2 1000190-1000200

Two-semester course, grade level 10, 11

Prerequisite: Career and Technology Exploration 1 recommended

This exciting course is designed to prepare students for entry level and post-secondary opportunities in the dynamic field of software development. Students in this course will study the technology, science, and art involved in the creation of computer programs, mobile apps, and video games through hands-on project-based activities.

COMPUTER CODING 3-4

1000210-1000220

Two-semester course, grade level 11, 12

Students in this advanced course will continue their study of this advanced course continues to prepare students for entry level and post-secondary opportunities in the dynamic field of software development. Students in this advanced course will study the technology, science, and art involved in the creation of computer programs, mobile apps, and video games through hands-on project-based activities. Study will include a variety of programming languages, scripting languages, object-oriented programming, operating systems, file systems, networks, and simulation engines with a greater emphasis on coding projects from design and coding to implementation and testing.

AP COMPUTER SCIENCE PRINCIPLES

1000250-1000260

One-semester course

Students taking AP Computer Science Principles will study the essential ideas of computer science with a focus on how computing can impact the world. Along with the fundamentals of programming, students will learn to analyze data, information or knowledge represented for computational use. They will create technology that has a practical impact and gain a broader understanding of how computer science impacts people and society.

EXPLORING COMPUTER SCIENCE 1-2

1000250-1000260

Two-semester course

Through this course, students will explore the intersection of creativity, problem solving, and contemporary computer through a variety of topics found in community college and university level computer science programs and in the technology industry. Units include human computer interaction, problem solving, web design, computer programming and coding computing and data analysis, and robotics.

ENRICHMENT SEMINAR

5249000

One-semester course, grade level 9, 10, 11, 12

This interdisciplinary course provides reinforcement of reading, writing and mathematics skills used in content classes. Students receive guidance for improving study skills as well as tutoring in all basic skills.

GIFTED SEMINAR H

2200510-2200580

Two-semester course, grades 9, 10, 11, 12

Prerequisite: CogAT scores at the 7, 8, 9 stanine composite, CogAT scores at or above 90th percentile on any category (V, Q, N, VQ, VN, QN, VQN), previous identification as gifted by elementary or middle school, or nomination by teachers, parents, students, and/or counselors and evaluated by the Gifted Facilitator.

Gifted Seminar H is designed to provide a series of opportunities for gifted learners to understand how the gifted mind works, explore areas of interest, develop selected skills, and reflect on the learning process. These opportunities allow academic pursuit in greater depth, in different formats, and/or across interdisciplinary lines. Gifted Seminar H covers a series of experiences including, but not limited to individual or small-group projects, whole-class studies, Socratic discussion, guest speaker presentations, field trips, development of leadership skills, career and vocational exploration, and college and scholarship research. May be repeated for additional credit.

HUMANITIES 1-2

5847000-5848000

Two-semester course, grade level 11, 12

Humanities is the study of the best of all that has been written, spoken and created. The course investigates all areas of human experience: religion, philosophy and thought, tradition, morals, history and the best of creativity (painting, sculpture, architecture and music).

HUMANITIES 1-2 H

5847600-5848600

Two-semester course, grade level 11, 12

Humanities 1-2 H offers an opportunity for the honors student to do an in-depth study of the areas of human experience: religion, philosophy and thought, tradition, morals, history and the best of creativity (painting, sculpture, architecture and music).

HUMAN PSYCHOLOGY 1-2**4719000-4720000**

Two-semester course, grade level 11, 12
Prerequisite: None

Human Psychology provides opportunities for young adults to examine psychological concepts involved in human behavior. Students will study the historical, sociological and psychological theories in human development. Students will examine topics related to relationships such as Conflict Management, Understanding Human Behavior, Personality Theories, Mental Health, Communication, Decision Making, Goal Setting, Interpersonal Relationships, Human Sexuality, Multicultural Lifestyles, and Consumerism. This course gives students tools to succeed in their careers and social situations while providing an opportunity to learn more about themselves as they develop more meaningful relationships with friends and family, and prepare for adult responsibilities.

LEARNING STRATEGIES 1-2**2200330-2200340**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering.

Learning Strategies equips students with essential knowledge and skills to manage academic demands at the high school level. Learning Strategies supports strategic thinking and the development of college and career readiness competencies. This course teaches students to manage academic demands through strategy and skill development. With direct instruction and support, students learn to transfer study skills, test taking skills, and skills of executive functioning (organizing, goal setting, prioritizing, sequencing etc.) to all subject areas. Progress in the course is individualized according to assessed needs. Through Learning Strategies, students find a way to narrow learning gaps for success in classroom environments and to build effective life skills to prepare for career and college.

**LIBRARY STUDENT ASSISTANT:
RESEARCH AND TECHNOLOGY****2200010**

One-semester course, grade level 12
Prerequisite: Seniors who have pass all AIMS or state tests and qualify to be student assistants.

In addition to library aide duties such as shelving and circulation, the curriculum will focus on Information Literacy. Students will learn and demonstrate their knowledge of college-level research skills and new digital presentation skills.

NAVAJO GOVERNMENT

This course explores the foundations of the Navajo Nation Government including the role of history and culture, political processes and government to government relationships. Major topics include the Navajo Nation Code, three branches of government, tribal laws, tribal membership, the impact of Federal Indian policies, and current issues affecting the Navajo People and Government. This course meets the requirements for the Chief Manuelito Scholarship.

MATHEMATICS ENGINEERING SCIENCE***ACHIEVEMENT (MESA) 1-2****2200160-2200150**

Two-semester course, grade level 9, 10, 11, 12

The course does not count towards fulfilling the graduation requirement in mathematics or science. The course counts under elective credit.

This is an interdisciplinary course in mathematics and science designed for students who are participating in the four-year pre-college program.

PEER LEADERSHIP 1-2**5259000-5260000**

Two-semester course, grade level 10, 11, 12
Prerequisite: Permission of Instructor

The Peer Leadership Course provides opportunities for young adults to increase their leadership skills. Areas addressed in this course include leadership skills, communication skills, thinking skills, conflict management skills, coping skills, healthy relationship skills, teamwork and cooperation. The first semester focuses on skill development and the second semester provides opportunities for students to use the skills they have developed. Students may participate in leadership projects on campus or do outreach in the elementary schools or community.

AP PSYCHOLOGY 1-2**6404000-6405000**

Two-semester course, grade level 10, 11, 12
Prerequisite: None

This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within Psychology. They also learn about the ethics and methods psychologists use in their science and practice.

AP SEMINAR 1-2**0190030-0190040**

Two-semester course

This is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations.

SPEECH AND DEBATE 1-2 H**6290600-6291600**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This honors class is intended for all students who are interested in opportunities that cross interdisciplinary lines. A portfolio demonstrating honors competency and effort is required in order to receive the honors credit. This course is designed to provide a series of opportunities to allow students to achieve success in the skills associated with multiple speech and debate activities. Students will participate in the interpretation of literature, the writing of public address speeches, the creation of limited preparation writings, debates on various resolutions, and other activities associated with the forensic arts. Policy debate, Lincoln-Douglas debate, and Public Forum debate are all offered as options. All events require the development of research skills as well as multiple practices. Current and historical events provide a basis for some events. Advanced students will also have the ability to serve as mentors to less experienced participants. Technology and guided practices. This course may be repeated for additional credit.

SPEECH AND DEBATE 3-4 H**6292800-6293800**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This honors class is intended for all students who are interested in opportunities that cross interdisciplinary lines. A portfolio demonstrating honors competency and effort is required in order to receive the honors credit. This course is designed to provide a series of opportunities to allow students to achieve success in the skills associated with multiple speech and debate activities. Students will participate in the interpretation of literature, the writing of public address speeches, the creation of limited preparation writings, debates on various resolutions, and other activities associated with the forensic arts. Policy debate, Lincoln-Douglas debate, and Public Forum debate are all offered as options. All events require the development of research skills as well as multiple practices. Current and historical events provide a basis for some events. Advanced students will also have the ability to serve as mentors to less experienced participants. Technology and guided practices. This course may be repeated for additional credit.

SPEECH AND DEBATE 5-6 H**6294800-6295800**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This honors class is intended for all students who are interested in opportunities that cross interdisciplinary lines. A portfolio demonstrating honors competency and effort is required in order to receive the honors credit. This course is designed to provide a series of opportunities to allow students to achieve success in the skills associated with multiple speech and debate activities. Students will participate in the interpretation of literature, the writing of public address speeches, the creation of limited preparation writings, debates on various resolutions, and other activities associated with the forensic arts. Policy debate, Lincoln-Douglas debate, and Public Forum debate are all offered as options. All events require the development of research skills as well as multiple practices. Current and historical events provide a basis for some events. Advanced students will also have the ability to serve as mentors to less experienced participants. Technology and guided practices. This course may be repeated for additional credit.

SPEECH AND DEBATE 7-8 H**6296800-6297800**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This honors class is intended for all students who are interested in opportunities that cross interdisciplinary lines. A portfolio demonstrating honors competency and effort is required in order to receive the honors credit. This course is designed to provide a series of opportunities to allow students to achieve success in the skills associated with multiple speech and debate activities. Students will participate in the interpretation of literature, the writing of public address speeches, the creation of limited preparation writings, debates on various resolutions, and other activities associated with the forensic arts. Policy debate, Lincoln-Douglas debate, and Public Forum debate are all offered as options. All events require the development of research skills as well as multiple practices. Current and historical events provide a basis for some events. Advanced students will also have the ability to serve as mentors to less experienced participants. Technology and guided practices. This course may be repeated for additional credit.

STUDENT GOVERNMENT 1-2**2 2 0 0 1 7 0 -****2200180****STUDENT GOVERNMENT 3-4****2200210-2200220****STUDENT GOVERNMENT 5-6****2200230-2200240****STUDENT GOVERNMENT 7-8****2200250-2200260**

Four-semester course, grade level 9, 10, 11, 12
Prerequisite: Student Government member

Students on the executive committee of the student government organization meet every day with the teacher in a regular class. The class encourages students to participate in school operation by planning activities, conducting programs, coordinating and evaluating student activities. Included in the course are some of the fundamentals of group dynamics and practical parliamentary procedure.

**STUDENTS UNDERSTANDING CONCEPTS
CONNECTING EDUCATION AND SOCIAL SKILLS****(S.U.C.C.E.S.S.) SEMINAR 1-2****2200310-2200320**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering.

S.U.C.C.E.S.S. Seminar provides instruction in the areas of affective reasoning, self-regulation, self-awareness, and self-advocacy skills. Students learn to recognize appropriate and inappropriate behavior as it relates to themselves and to others. Students will (a) gain personal insights and discover how inappropriate behavior affects their lives and others, (b) gain better control over their lives and become more responsible for their actions, (c) learn to communicate more effectively, (d) become better decision makers, and (e) gain a better self-image. The course may be repeated for credit.

S.U.C.C.E.S.S. SEMINAR 3-4**12312322-3454345**

S.U.C.C.E.S.S. Seminar 3-4 provides students with additional, intentional, and intensive support in their social emotional learning. Students in S.U.C.C.E.S.S. 3-4 will continue to focus on improvement in the areas of self-regulation, self-awareness, and self-advocacy, while adding the additional components of responsible decision-making and relationship skills. Transition preparation is a key component to this course. Students will learn strategies to strengthen interpersonal, intra personal, and cognitive skills. This course may be repeated for credit.

HEARING LABORATORY 1-2**2200370-2200380**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering.

Students will receive instruction to increase self-sufficiency, independence and transition service support accessing the school and community. Depending upon the individual needs of the student, the student may be exposed to, learn, and apply skills such as assistive technology to aid the student in accessing the general curriculum; utilization of an educational interpreter; for increasing communication and competence with lip reading skills; small group communication skills and methods to advocate in large classroom situations; and compensatory skills to access the coursework and curriculum students are taking throughout the school day.

VISION LABORATORY 1-2**2200350-2200360**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering.

Students will receive instruction to increase self-sufficiency, independence and transition service support accessing the school and community. Depending upon the individual needs of the student, the student may be exposed to, learn, and apply skills such as assistive technology to aid the student in accessing the general curriculum; utilization of adaptive materials, such as, braille, large print, screen magnification software, magnification devices, etc.; access to the campus and community through orientation and mobility services; and compensatory skills to access the coursework and curriculum they are taking throughout the school day.

VOLUNTEERISM FOR ACTION:**A SERVICE LEARNING EXPERIENCE****0400190**

One-semester course

Through course experiences, a student's exposure to particular global issues at a local level may give rise to an interest in furthering their understanding of these issues through academic research. Both the extended essay and the world studies extended essay allow students to explore the issues that may have arisen during the service learning activity. Dual Enrollment course with MCCC.

GENERAL VOCATIONAL ELECTIVES**ADULT SURVIVAL SKILLS 1-2****2210330-2210340**

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering

The Adult Survival Skills 1-2 course helps students maximize their postsecondary independence. Students are taught how to engage in activities and instruction encompassing topics of self-discovery, interpersonal skills, cultural awareness, mature problem solving, leadership, and financial management. Students will begin to examine personal work ethics, realistic goal setting and collaboration with peers.

JOB PREP SKILLS**2210350-2210360**

One-semester course, grade level 9, 10, 11, 12
Prerequisite: District approval required for this offering

The Job Prep Skills course prepares students to participate in diverse work settings. Students learn the rights and responsibilities of workers, professionalism, and the communication skills necessary for interviews and speaking with the public. Mature decision-making and problem-solving skills are stressed. Students are exposed to career clusters and are supported in tasks such as managing a job search and developing a positive work ethic.

BUSINESS PREP SKILLS 1-2**1210030-1210040**

Two-semester course, grade level 11, 12
Prerequisite: District approval required for this offering.

The Business Prep program teaches students who have expressed interest in improving computer and clerical skills for a potential career in a business related field. The program is implemented in a simulated work environment with concentration in computer literacy in programs like Microsoft Word, PowerPoint, Excel, Access and Publisher. Keyboarding, email etiquette, resume building, public speaking/ interview skills and digital ethics and awareness skills are also developed throughout the year. The program has an emphasis toward preparing students to be successful in the work place.

**COMMERCIAL BUILDING MAINTENANCE
SKILLS 1-2****2210450-2210460**

Two-semester course, grade level 11, 12
Prerequisite: District approval required for this offering.

Commercial Building Maintenance provides first-hand experiences and the use of technology to develop essential work habits and occupational skills to connect to the real world. Some maintenance categories include but are not limited to: Interior/exterior cleaning; moving classroom furniture; painting; minor building repairs; use and care of hand and power tools, drywall repair and carpentry.

CTE INDEPENDENT STUDY**2200130**

One-semester course

Prerequisite: Student must complete a coherent CTE program sequence; Teacher approval

Students will have the opportunity to continue their CTE program with this specialized training course. The curriculum for this course follows the Career & Technical Education Professional Skills standards and will consist of one day per week in-class instruction and up to four days in off-campus jobs.

GENERAL TECHNOLOGY SKILLS 1-2 1710030-1710040

Two-semester course, grade level 11, 12

Prerequisite: District approval required for this offering.

General Technology provides students the opportunity to receive instruction through experiential learning in the areas of construction, electrical wiring, masonry, small engine repair, plasma repair, and welding. The program is implemented in a simulated work environment. The program has an emphasis toward preparing students to be successful in the work place, through skill building not only in the technical skills stated above but also with students learning and demonstrating skills in decision-making and interpersonal communication.

HORTICULTURE SKILLS 1-2 1810030-1810040

Two-semester course, grade level 11, 12

Prerequisite: District approval required for this offering.

Horticulture skills provides instruction to students to help them learn job responsibility and related academic skills necessary for success in the horticulture/gardening industry. This hands-on course includes academic and experiential skills needed for greenhouse, garden, nursery, interiorscape, and landscape entry-level positions, e.g. plant care and maintenance, working with related tools and equipment, planting lifting, job seeking skills and customer relations. Students work on jobs on and off campus when appropriate.

ENTERPRISE PROGRAM 1-2 2210390-2210400

Two-semester course, grade level 11, 12

Prerequisite: District approval required for this offering.

Enterprise will engage students to demonstrate skills in decision-making and interpersonal communication, which will lead to greater success in the work place and will promote lifelong learning. Enterprise is a closely supervised, hands-on small restaurant work experience program designed for students who need behavioral changes for job readiness. The program helps to modify student behaviors and attitudes through individual accountability, promoting self-regulation of behaviors, applying effective coping strategies, and learning skills of self-advocacy in the workplace. Making use of a structured four-level token economy system and group counseling, the program assists students in making the transition from school to work. Off-campus field trips also provide opportunities for growth in functional academics and employment readiness skills. May be repeated for credit.

JOBS IN INDUSTRY 1-2 (JII) 2210550-2210560

Two-semester course, grade level 9, 10 11, 12

Prerequisite: Student of employability age who wishes to obtain competitive employment in the community. Ability to travel independently to their job site and to their home school. District approval required for this offering.

Jobs-In-Industry (JII) provides individualized instruction and real-world opportunities for students who want to find and keep a job. Students develop multiple workplace skills; practice mature social and emotional behaviors in their actual work environment; learn and apply skills of self-advocacy; and begin basic financial planning. Students learn strategies for conducting a smart job hunt, completing applications correctly, and interviewing. Students are coached to seek a job that is right for their location, skills and interests; they receive light support as needed in the community and/or on-campus. JII students are encouraged to develop realistic goals for college, career, and life as part of their Transition Plan. This course may be repeated for credit.

STUDENT TRAINING ADJUSTMENT FOR REALISTIC TRANSITIONS (START)**PROGRAM PART-TIME 1-2****2210410-2210420**

Two-semester course, grade level 11, 12

Prerequisite: District approval required for this offering.

The START program offers on-campus training for students interested in future entry level employment; with the goal of transitioning students to a program for on-the-job training and job trials. Instruction will be provided to students to develop employee responsibility skills (i.e. punctuality, reliability, following directions, etc.), acceptable work behavior skills, and daily living skills necessary to obtain and maintain employment. Students will learn and demonstrate industry working knowledge and safety rules in the areas of culinary, laundry, and janitorial services while preparing, prepping, and serving food for Metro Tech Campus. The length of training time varies based upon individual student's strengths and needs. Individual student goals will be developed and monitored during their participation in the START program.

STUDENT TRAINING ADJUSTMENT FOR REALISTIC TRANSITIONS (START)**PROGRAM FULL TIME****2210430-2210440**

Two-semester course, grade level 11, 12

Prerequisite: District approval required for this offering.

Students in START Full-Time build on their industry working knowledge while continuing work on the Metro Tech Campus. In addition, students increase customer service skills that are standard for the workplace environment when working in a service industry. Individual student goals will be developed and monitored during their participation in the START program.

WORKPLACE INTERNSHIP SKILLS 1-2 2210490-2210500

Two-semester course, grade level 12+

Prerequisite: District approval required for this offering, and IEP team recommendation and application.

This course is designed to be taken with Workplace Literacy and Daily Living Skills and Workplace Advocacy Skills as part of a three-course program of study. The internship component may include on-campus work experience and off campus work opportunities to demonstrate the skills expected of the program. The unpaid internships help the student to practice and improve employability skills, and they are secured with the assistance of the teacher and/or job developer. This course may be repeated for credit.

WORKPLACE LITERACY AND DAILY LIVING SKILLS 1-2**2210510-2210520**

Two-semester course, grade level 12+

Prerequisites: District approval required for this offering, and IEP team recommendation and application.

This course is designed to be taken with Workplace Internship Skills and Workplace Advocacy Skills as part of a three-course program of study. Students receive instruction in appropriate work habits, how to seek and maintain employment, physical/manual skills, and specific job competencies. In addition, daily living skills are emphasized, including a focus on self-determination, interpersonal skills, and employment skills. Students will learn how to manage personal finances, household management, personal needs, family responsibilities, food preparation, citizenship responsibility and taking part in leisure activities. This course may be repeated for credit.

WORKPLACE ADVOCACY SKILLS 1-2 2210530-2210540

Two-semester course, grade level 12+

Prerequisites: District approval required for this offering, and IEP team recommendation and application.

This course is designed to be taken with Workplace Literacy and Daily Living Skills and Workplace Internship Skills as part of a three-course program of study. Students develop self-awareness, self-confidence, socially responsible behavior, interpersonal skills, independence, decision-making and communication skills through this course. These skills are taught together with employment skills to ensure success in their internships. This course may be repeated for credit.

Campus Course Offerings



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The following courses are offered only at the specific campuses as identified. All courses may not be offered each semester. For more detailed information on these courses or other programs available on the campus, please consult your counselor or contact the high school at one of the numbers indicated on the campus page.

LINDA ABRIL

Educational Academy

3000 North 19th Avenue
Phoenix, Arizona 85015
(602) 764-0050 • www.PXU.org/Abril



This alternative program is designed to help students complete their high school education in a small learning environment with specialized classes and schedules. Graduation ceremonies are held twice a year in December and May. Graduates are recognized at the end of every term during an awards ceremony.

LAEA is intended for juniors and seniors who have fallen behind in their credits and will benefit from the small school environment. Students are selected for admission based on transcript, discipline, and an interview process. Students are admitted at the start of each 6-week term throughout the school year.

The daily class schedule consists of two 145 minute classes. Regular classes are offered in Math, English, Social Studies, Business and Technology, Science, Health, as well as a limited selection of electives. Minimum assistance and resources are offered to our special education students. Students will also have the opportunity to earn extra credits by enrolling in a third period online credit-recovery class as part of their schedule.

LAEA is located in a new, state-of-the-art facility on 19th Avenue and Thomas Road, and accommodates up to 400 students.

Business and Technology Education (2-Credit Program Sequence)				
	Option 1	Option 2	Option 3	Recommended Practicum
9th grade (not required)	*Career & Tech Exp 1	*Career & Tech Exp 1	*Career & Tech Exp 1	
10th grade	Bus & Tech Ed 1-2		Bus & Tech Ed 1-2	
11th grade	Bus & Tech Ed 3-4	Bus & Tech Ed 1-2		
12th grade		Bus & Tech Ed 3-4	Bus & Tech Ed 3-4	Internship (optional)

*Course descriptions for Career & Technology Exploration 1 found on page C3

BUSINESS AND TECHNOLOGY EDUCATION 1-2 MODIFIED

**6980000-6981000
6980008-6981008**

Two-semester course, grade level 10, 11

Prerequisite: Career and Technology Exploration 1 recommended

This course is designed to prepare students for instruction in business communications, principles of business law, word processing, spreadsheet, database, presentation software and desktop publishing. The students will also gain skills with office equipment and procedures, public relations, filing, records management and report preparation. This course takes an integrated approach to teaching and learning to provide students enhanced technical knowledge and skills associated with functions within business occupations. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Future Business Leaders of America (FBLA), a state and national career and technical student organization.

BUSINESS AND TECHNOLOGY EDUCATION 3-4

6982000-6983000

Two-semester course, grade level 11, 12

Prerequisite: Successful completion of Business and Technology 1-2

This advanced course is designed to further develop skills using word processing, spreadsheet, database, presentation software and desktop publishing while integrating the skills attained in the Business and Technology 1-2 course. This course provides the same integrated approach to teaching and learning as the introductory course. Students will be provided advanced development of their technical knowledge and skills associated with functions within business occupations. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Future Business Leaders of America (FBLA), a state and national career and technical student organization.

BUSINESS AND TECHNOLOGY EDUCATION INTERNSHIP 1-2

6984000-6985000

One-semester course, grade level 12

Prerequisite: Successful completion of Business Technology Education 1-2 & 3-4 or concurrent enrollment in Business Technology Education 3-4. Must be at least 16 years of age.

This course is a coordinated work-based learning program which provides students authentic work experience in the business environment. This course allows the student to participate in a structured work environment off campus, and involves the application of technical skills gained in earlier Business and Technology Program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the business environment. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations. Course may be repeated for additional credit.

ALHAMBRA

High School

3839 West Camelback Road
Phoenix, Arizona 85019
(602) 764-6022 • www.PXU.org/Alhambra

ALHAMBRA



Welcome to Lion country! Alhambra is a college-going high school. Alhambra offers 72 honors and Advanced Placement classes and college credit (dual enrollment) courses. Being a part of the Medical Magnet means a chance to prepare to become a Certified Nursing Assistant (CNA), athletic trainer or therapist as well as take courses for other medical professions while in high school. Special business programs help prepare students for jobs in Sports and Entertainment Marketing, Accounting or Computer Applications. The four-year Business AVID (Advancement via Individual Determination) program gives “Lions” a way to get ready-to-use job skills as well as the extra instruction and tutoring for college.

Our counseling department provides ECAP (Education and Career Academic Planning) for every student, and through free ACT exams, students can track their college readiness. Our students are better prepared each year.

Campus activities are non-stop, including over 30 clubs, such as the state ranked chess club to our renowned student government. There are 20 interscholastic sports available as well as band, dance, choir, and drama. Our “Unit of Distinction” JROTC has drill team, color guard, adventure team and rifle competition besides its leadership training. With dances, lunch concerts, spirit days and our famous homecoming parade, the fun never ends at Alhambra.

CENTER FOR MEDICAL AND HEALTH STUDIES

PROGRAM EMPHASIS:

The Medical Arts Program at Alhambra High School is designed for students interested in preparing for careers in the medical or health related fields. Currently, there are three strands: Nursing, where students take the required coursework to sit for the Arizona State Board of Nursing Exam to become a Certified Nursing Assistant, Sports Medicine, where students gain an in depth knowledge of anatomy and physiology as well as kinesiology that can be transferred to studies in sports medicine or physical therapy after graduation, and Professional, which is a survey of different health related careers with a focus on Public Health their Senior year, for those that are unsure of the area of medicine that they are interested in pursuing after graduation, or are interested in taking courses that would prepare them for college as a science major. All of the strands are rigorous in nature and require the students to complete advanced math and science courses. The Medical Arts Community does their best to connect students to professionals within their careers of interest as well as offer them opportunities for experiences with Medical Schools and clinics in the community for them to take their knowledge outside of the classroom into different medical environments.

PHYSICAL EDUCATION

SPORTS MEDICINE 1-2 5541003-5542003

Two-semester course, grade level 10, 11, 12

Prerequisite: Introduction to Medical Arts or Biology

Sports Medicine is a course that covers the wide spectrum of athletic training, including the prevention, recognition, care and treatment of athletic injuries. The student will learn first aid techniques, cardiopulmonary resuscitation (CPR) and medical terminology, as well as management of specific sports injuries. The course is designed for those students who are interested in careers in athletic training and other allied health careers and related occupations.

SPORTS MEDICINE 3-4 5543003-5544003

Two-semester course, grade level 10, 11, 12

Prerequisite: Sports Medicine 1-2

Sports Medicine 3-4 allows the students to refine, apply and add to their skills and knowledge regarding injury prevention and management. Rehabilitation theories and techniques are introduced as students learn to set up and administer athletic injury rehabilitation programs on state of the art machines and equipment. The advanced academic challenge in the athletic training subject area will further prepare the student for internship experiences, both in school and in the private sector.

SPORTS MEDICINE LAB 1-2 5545003-5546003

Two-semester course, grade level 10, 11, 12

Prerequisite: Must be concurrently enrolled in or have completed Sports Medicine 1-2

This laboratory setting familiarizes students with the techniques and equipment used by athletic trainers. Students use hands-on techniques in taping, fundamentals of preparation for athletic endeavors and organizational skills. Experience with athletes, under the supervision of the lab instructor and/or the athletic trainer prepares the student for the Team Association Lab. Students are expected to work in the training room to fulfill the requirements of the lab.

SPORTS MEDICINE LAB 3-4 5547003-5548003

Two-semester course, grade level 11, 12

Prerequisite: Sports Medicine 1-2; concurrently enrolled in or have completed Sports Medicine 3-4

This laboratory setting gives the student advanced techniques of athletic training. The administration of first aid, as well as the practices associated with rehabilitation of injuries are some of the hands-on techniques developed in this class. Students will also devise therapeutic programs, under the supervision of the instructor and/or athletic trainer, to aid in the return of injured athletes to their chosen sport.

SCIENCE

MEDICAL ANATOMY AND PHYSIOLOGY 1-2 H

0360270-0360280

Two-semester course, grade level 10, 11

Prerequisite: Concurrently or completed Biology 1-2, Chemistry, and Intro to Medical Arts. Students must have taken Medical Anatomy 1 to be enrolled in Medical Anatomy 2

Medical Anatomy & Physiology H is a laboratory science course designed for students who have taken biology and wish to pursue a more detailed study of human anatomy and physiology in preparation for a career in the medical field. The course provides highly comprehensive information about the structure and function of the human body and is a good foundation for students interested in the medical profession. Topics include the body plan, homeostasis and major systems of the body, e.g. integumentary, skeletal, muscular, immune, circulatory respiratory, digestive, endocrine, nervous, excretory, and reproductive. In addition students will learn medical terminology associated with these body systems.

SCIENCE ELECTIVES

INTRODUCTION TO MEDICAL ARTS 1-2

5771003-5772003

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: None

This is the introductory course in the Center for Medical and Health Studies Magnet program at Alhambra High School. The course provides students with the basics of anatomy, physiology and health that are essential in preparation for a future career in a medical or health-related field. Students are exposed to a variety of medical and health careers through our partnership with Samaritan Health Systems. The course focuses on reading and on oral and written communication skills necessary for success in the future. Students who complete both semesters of this course will meet the elective requirements. If students complete a full year of IMA they can earn health credit.

VISUAL / FINE ARTS

SCALED MODEL MAKING 1-2

0500770-0500780

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: None

Scaled Model Making is broadly designed to assist students in gaining an overview and the basic skills necessary to create scaled set models, whether they be for theatrical or interior design, stop motion animation, artistic exhibition, or hobby activities. The course provides an introduction to the methods of constructing in sheet materials (card, wood, or plastic), shaping or modeling soft materials to create complex forms (modeling clay or soft foam), achieving realistic textures, and methods of painting and finishing.

CARTOONING 1-2

0500790-0500800

Two-semester course, grade level 9, 12

Prerequisite: None

Cartooning 1-2 is broadly designed to assist students in gaining an overview and the basic skills necessary to develop and create unique images capable of telling a story for static use, animation, storyboards for video production/graphic novels, artistic exhibition, or hobby activities. The course will introduce the methods of developing and refining concepts through interpretation, brainstorming, and planning; production using various art materials; shaping or modelling materials to create 3D examples of 2D ideas, practical applications for cartoons in contemporary life and industry.

WORLD LANGUAGES

SPANISH 3-4 FOR THE MEDICAL ARTS 4849003-4850003

Two-semester course, grade level 10, 11, 12

Prerequisite: Spanish speaker and Introduction to Medical Arts, or instructor recommendation

Spanish 3-4 for the Medical Arts will prepare students to use Spanish in a variety of medical fields. Emphasis is placed on acquiring medical Spanish terminology. Students will gain skills in the five standards of World Languages at the **Intermediate High** performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Acquiring medical terminology in an additional language will prepare students for a variety of healthcare professions and will prepare students to become an integral part of the global cultural community while fulfilling college requirements.

Next course of study: N/A

MAGNET GENERAL ELECTIVES

APPLIED PSYCHOLOGY 1 5267003

One-semester course, grade level 11, 12

Prerequisite: Introduction to Medical Arts 1-2

This is a course designed for the upper-class student who is interested in studying psychology and its related components: physiology, behavior, sensation, perception, memory, learning, cognition, motivation, personality, emotion, human development, stress and adjustment, abnormal behavior and types of therapies. Students who complete this course with an A, B or C and register with Phoenix College may earn concurrent college credit for PSY 101.

ABNORMAL PSYCHOLOGY 1-2 0400130-0400140

Two-semester course, grade level 11, 12

Prerequisite: Psychology

This course introduces students and presents a scientific survey of the subfield of Psychology interested in researching the nature and causes of deviant or unusual human behavior both within and across cultures.

MEDICAL ARTS SEMINAR 1 5271003

One-semester course, grade level 11, 12

Prerequisites: Introduction to Medical Arts 1-2, Biology 1-2

This course provides students with hands-on opportunities to observe medical and health professionals in their work settings. Students are assigned to various medical rotations in the Samaritan hospitals as part of their classroom experience. Guest speakers and Samaritan employees work with the individual students, helping them gain valuable insight into the world of medical and health professions.

MEDICAL RESEARCH 1 5273003

One-semester course, grade level 11, 12

Prerequisite: Introduction to Medical Arts 1-2

This is a course designed for upper-class students who are interested in medical or health careers. Students will be learning non-laboratory research techniques using various sources of information, including, but not limited to, books, articles, CD-ROM databases, on-line computer searches, journals and magazines. Students will read a survey of literature in a medical or health field and will summarize materials and will write comprehensive reports. Students will select an area of interest and will complete field observations at a medical facility, then conduct an independent research project with final presentation of the project being made to the class and to a professional panel.

SCIENCE OF NUTRITION

2200390

One-semester course, grade level 9, 10, 11, 12

Prerequisite: Biology/ Anatomy and Physiology

This is a lab centered course designed for upper-classmen students who have taken biology and anatomy that will further understand how food interacts with other parts of our body for optimal functioning. Students will use hands-on technologies to better understand how food should be used and ways that it damages the body, and will look at the types of foods and supplements that should be eaten when paired with certain exercises. Students who take this course will have a better idea of how to maintain a healthy lifestyle and understand how certain unhealthy foods affect their body.

TRENDS & ISSUES IN MEDICINE 1 5269003

One-semester course, grade level 11, 12

Prerequisite: Introduction to Medical Arts 1-2, Biology 1-2

This course is designed to help the student become aware of how current trends and issues in health affect every facet of life. Issues such as life and death, ethics, morals and current medical research will be investigated and discussed. Students will study such units as eugenics, gene-splicing, in-vitro fertilization, genetic disorders, organ transplantation, etc. and other current events as they relate to values conflict, decision-making and medical progress. The student will have the opportunity to express his personal opinion as related to these controversial areas.

GENERAL ELECTIVES

NEWSPAPER 3-8 H 1160010-1160020

1160030-1160040

1160050-1160060

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: Newspaper 1-2 or instructor approval

Newspaper 3-4, 5-6, 7-8 HONORS will build on the writing and editing skills that students honed in Newspaper 1-2. Students enrolled in the course will engage in more advanced forms of news writing, take on leadership roles that allow them to mentor students in Newspaper 1-2, and compile a portfolio of their work. This course may be repeated for additional credit.

BIOSCIENCE

High School

512 East Pierce Street
Phoenix, Arizona 85004
(602) 764-5600 • www.PXU.org/Bioscience



Bioscience High School offers a full, integrated curriculum with an emphasis on science, technology, engineering, and mathematics. Students participate in innovative learning environments that include team-teaching, use of technology, and student-centered learning. Instructors design lessons with collaborative efforts, and integration across multiple disciplines is a common theme found in every course offered. Bioscience High School develops specific upperclassmen pathway courses that are tailored to student interests, some of which include: anatomy and physiology, epidemiology, biotechnology, engineering, and forensics. In addition, strong humanities, arts, and fitness curricula are offered to promote well-rounded learning experiences for students.

BIOSCIENCE EXPERIENCE

MISSION STATEMENT

Bioscience High School provides a rigorous, collaborative, and relevant academic program emphasizing an innovative, problem-based curriculum that develops literacy in the sciences, mathematics, and the arts, thus cultivating critical thinkers, creative problem-solvers, and compassionate citizens, who are able to thrive in our increasingly complex and technological communities.

**Mission = mission + vision*

GOALS

To develop students' scientific literacy and understanding of connections among bodies of knowledge, resulting in achievement that far exceeds the state standard in science.

To prepare students for post-secondary education and for leadership in science careers.

To increase the number of traditionally under-represented groups of students who pursue higher education, particularly in math and science.

MATHEMATICS

INTEGRATED MATHEMATICS 1-2 H 0260090-0260100

Two-semester course, grade level 9, 10
Meets placement criteria on standardized test
Meets PXU and Arizona Mathematics Standards graduation requirements
Meets mathematics admission requirements of Arizona universities

This course is aligned to the AZ College and Career Ready Standards and fulfills the first mathematics credit for graduation. Integrated Mathematics 1-2 H will provide students conceptual development and opportunities for procedural fluency to integrate the STEM ACCR-M standards and Statistics standards. This course integrates mathematical modeling of real world data with focus on integration of technology, inquiry based learning, critical thinking and application in culminating unit projects. Algebraic concepts include: solving, building and interpreting linear and exponential functions, solving systems of equations; Geometric concepts include: foundations and tools for geometry, constructions, introduction to transformational geometry, using coordinates to prove simple geometric theorems; Statistical concepts include: representing and interpreting single variable statistics, regression of linear models.

INTEGRATED MATHEMATICS 3-4 H 0260110-0260120

Two-semester course, grade level 9, 10, 11
Meets PXU and Arizona Mathematics Standards graduation requirements
Meets mathematics admission requirements of Arizona universities

This course is aligned to the AZ College and Career Ready Standards and fulfills the second mathematics credit for graduation. Integrated Mathematics 3-4 H will provide students conceptual development and opportunities for procedural fluency to integrate the STEM ACCR-M standards and Statistics standards. This course integrates mathematical modeling of real world data with focus on integration of technology, inquiry based learning, critical thinking and application in culminating unit projects. Algebraic concepts include: rational and irrational exponents, quadratics with real coefficients, operations on polynomials, linear-quadratic systems; Geometric concepts include: geometric theorem proofs, trigonometric ratios in triangles, circle theorems, volume formulas; Statistical concepts include: independence and conditional probability, compound probability, uniform model, decision outcomes-counting rules.

INTEGRATED MATHEMATICS 5-6 H 0260130-0260140

Two-semester course, grade level 10, 11, 12
Meets PXU and Arizona Mathematics Standards graduation requirements
Meets mathematics admission requirements of Arizona universities

This course is aligned to the AZ College and Career Ready Standards and fulfills the third mathematics credit for graduation. Integrated Mathematics 5-6 H provides students conceptual development and opportunities for procedural fluency to integrate the STEM ACCR-M standards and Statistics standards. This course integrates mathematical modeling of real world data with focus on integration of technology, inquiry based learning, critical thinking and application in culminating unit projects. Algebraic concepts include: polynomials with real coefficients, factors of polynomials, root functions, radical and rational equations, logarithms from exponential functions, model periodic phenomena; Geometric concepts include: trigonometry in general triangles, two and three-dimensions; Statistical concepts include: random processes, inference and justification, sample surveys, decision outcomes-complex situations. Depending on individual test scores, students may earn dual college credit.

INTEGRATED MATHEMATICS 7-8 H 0260150-0260160

Two-semester course, grade level 11, 12
Meets PXU and Arizona Mathematics Standards graduation requirements
Meets mathematics admission requirements of Arizona universities

This course is aligned to the AZ College and Career Ready Standards and fulfills the fourth mathematics credit for graduation. Integrated Mathematics 7-8 H will provide students conceptual development and opportunities for procedural fluency to integrate the STEM ACCR-M standards, Calculus PXU standards and Statistics standards. This course integrates mathematical modeling of real world data with focus on integration of technology, inquiry based learning, critical thinking and application in culminating unit projects. Algebraic concepts include: complex plane, vector quantities, matrices, systems of equations; Calculus concepts include: linear functions, using slope to interpret relationships, interpreting rates of change and identifying turning points, interpreting limits, using integrals to sum small pieces; Statistical concepts include: calculate expected values to solve problems. Depending on individual test scores, students may earn dual college credit.

ADVANCED GEOMETRY WITH PRE-CALCULUS 1-2 H 5325600-5326600

Two-semester course, grade level 10, 11, 12
Prerequisite: Passing grade in Algebra 3-4 H or equivalent
Meets PXU and Arizona Mathematics Standards graduation requirements
Meets mathematics admission requirements of Arizona universities

Advanced Geometry with Pre-Calculus 1-2 H is a one-year, in-depth study of the properties of trigonometry, analytical trigonometry, vectors, complex numbers, exponential functions, analytical geometry, polar and parametric equations, series and sequences, and the underpinnings of calculus. Topics are addressed from a geometric perspective. Students utilize computer software programs, graphing calculators and personalized products to study scientific applications. This course is intended to prepare students for Calculus.

CALCULUS I 1-2 H 5375600-5376600

Two-semester course, grade level 11, 12
Prerequisite: Pre-Calculus 1-2 H
Meets PXU and Arizona Mathematics Standards graduation requirements
Meets mathematics admission requirements of Arizona universities

Calculus I 1-2 H follows the curriculum of the community college Analytic Geometry & Calculus I. Depending on the required test scores, students may earn One-semester (5 credit hours) of concurrent community college credit. Topics include limits, continuity, the fundamental principles and formulas for differential and integral calculus along with their applications to geometry, physics and economics, the mean value theorems and the fundamental theorem of calculus. Depending on individual test scores, students may earn dual or advanced placement college credit for this course.

CALCULUS II 1-2 H**5377600-5378600**

Two-semester course, grade level 11, 12

Prerequisite: Analytical Geometry & Calculus 1-2 AP or

Calculus I 1-2 H

Meets PXU and Arizona Mathematics Standards graduation requirements

Meets mathematics admission requirements of Arizona universities

Calculus II 1-2 H follows the curriculum of the community college Analytical Geometry & Calculus II. Depending on the required test scores or prerequisite course, students may earn One-semester (5 credit hours) of concurrent community college credit. As a continuation of Analytical Geometry & Calculus I, topics include work on the elementary transcendental functions, techniques of integration, vector functions, and infinite series along with applications to science and economics. Depending on individual test scores, students may earn dual or advanced placement college credit for this course.

ELEMENTS OF STATISTICS 1-2 H**5333600-5334600**

Two-semester course, grade level 10, 11, 12

Prerequisite: Passing grade in Algebra 3-4 H or equivalent

Meets PXU and Arizona Mathematics Standards graduation requirements

Meets mathematics admission requirements of Arizona universities

Elements of Statistics 1-2 H introduces students to the basic concepts of statistics, including data descriptions, estimation and hypothesis tests. Students learn to organize, display and analyze data and to explore the elements of probability. This course is an effective preparation for students interested in the fields of social sciences, health sciences, business, engineering, and mathematics. This course can be taken for dual-enrollment.

SCIENCE & ENGINEERING

BIOINFORMATICS 1-2 H**6222600-6223600**

Two-semester course, grade level 12

Prerequisite: Three years of lab science or Instructor approval

Meets PXU elective requirements. Does not meet PXU lab requirements.

The DNA sequence of the human genome is largely complete. The challenge now lies in learning how to make efficient use of genomic resources. This course will cover web-based tools and techniques for locating and using a wide variety of genomic information. This course will provide an introduction and overview to commonly used bioinformatics tools and resources along with hands-on practice. Participants will learn how to use databases containing sequence, clinical, and structural information.

BIOLOGY 3-4 H**0360210-0360220**

Two-semester course, grade level 11, 12

Prerequisite: Biology 1-2

This course would be designed as a fourth year science option for students that have completed Biomedical and/or Engineering courses and would like to continue a more advance curriculum. This course is aligned with the Arizona Science Standards and Next Generation Science and fulfills the third science credit required for graduation. Students apply their skills and understanding of scientific concepts and will be able to follow a process for identifying a local or global challenge.

CHEMISTRY 3-4 H**0360230-0360240**

Two-semester course, grade level 10

Prerequisite: Chemistry 1-2

This course is aligned to the Arizona State Standards and Next Generation Science Standards and fulfills the third science credit for graduation. Chemistry 3-4 H will provide students a more challenging and quantitative approach to chemistry in order to prepare them for a college degree program in the biological and physical sciences.

INTRODUCTION TO BIOTECHNOLOGY 1-2**5717000-5718000**

Two-semester course, grade level 11, 12

Prerequisite: Biology 1-2, Chemistry 1-2, Algebra 1-2 H and

Algebra 3-4 H

Meets PXU elective requirements. Does not meet PXU lab requirements.

This is a laboratory-based course integrating the fundamental concepts of the life and physical sciences with the technical skills needed for post-secondary education and to work in a modern laboratory. The course focuses on basic lab methods, critical thinking, and communication skills currently used in the biotechnology industry. Students will learn the foundation of the scientific method, basic lab safety and lab documentation while acquiring skills in the maintenance and calibration of basic lab equipment, calculation and preparation of lab solutions, basic bacterial and phage cell growth and sterile techniques. Principles of measurements and separation utilized in the laboratory, including but not limited to, pH measurement, spectrophotometry, centrifugation and electrophoresis will be introduced. In addition, issues related specifically to the biotechnology industry, such as understanding the product development process, ethical, legal and social concerns will be addressed.

INTRODUCTION TO ENGINEERING DESIGN 1-2 H**6226600-6227600**

Two-semester course, grade level 11, 12

Prerequisite: Three years of lab science, one of which must be Physics 1-2 H or Physical Science 1-2 H

Meets PXU elective requirements. Does not meet PXU lab requirements.

Engineering Design 1-2 H is designed for students who are interested in pursuing the engineering pathway at Bioscience High School. Students will apply their knowledge of physics, mathematics and elements of design to solve problems. This course allows students to use sophisticated 3-dimensional modeling software to improve existing products, invent new ones, and communicate the details of the products to others.

INTRODUCTION TO EPIDEMIOLOGY 1-2 H**6228600-6229600**

Two-semester course, grade level 11, 12

Prerequisite: Two years of lab science

Meets PXU elective requirements. Does not meet PXU lab requirements.

Introduction to Epidemiology 1-2 H will challenge students to gather, analyze, and interpret data to determine the prevalence, causes, and treatments of diseases. This course focuses on disease-related public health issues facing mothers and their children, adolescents, and those who are aging. Students will also explore the impacts of genetics, the environment, and pathogens on disease. Students will gain deductive reasoning and creative problem-solving skills for use in further study in the medical field and will showcase their learning through the use of projects, discussion, modeling, laboratory investigations, independent research projects, and case studies.

THE PHYSICS OF ENGINEERING 1-2 H**62160070-2160080**

Two-semester course, grade level 11, 12

Prerequisite: Three years of lab science

The Physics of Engineering 1-2 H course is offered to junior and senior students on the engineering pathway at Bioscience High School. The course will introduce the basics of quantitative physics concepts (i.e. electricity, magnetism, thermodynamics, and waves) not addressed during the introductory freshman physics course. The course will incorporate engineering fundamentals such as strands of applied engineering, design strategies, problem solving, sustainable engineering methods, and engineering ethics. This course will align with the overall mission and principles of Bioscience High School, and prepare students to take a senior, project-based engineering course.

THE PHYSICS OF ENGINEERING 3-4 H

6232600-6233600

Two-semester course, grade level 12

Prerequisite: Physics of Engineering 1-2 H or Instructor approval

This course fulfills the second year of the engineering pathway for Bioscience High School. The Physics of Engineering 3-4 H course is offered to senior students on this engineering pathway. The course will introduce the advanced quantitative physics concepts (i.e. optics, nuclear, relativity and modern physics). It will incorporate engineering fundamentals such as strands of applied engineering, design strategies, problem solving, sustainable engineering methods, and engineering ethics. This course will align with the overall mission and principles of Bioscience High School. Students will engage in a year-long project embodying physics and engineering principles.

WILDLIFE ECOLOGY 1-2 H

5775600-5776600

Two-semester course, grade level 11, 12

Prerequisite: Biology and Chemistry

Wildlife Ecology Honors will explore native plant and animal species and their habitats in Arizona and beyond. Students will examine the role of habitat in the success of an organism, determine why wildlife populations change over time and how humans impact those changes, and will use their understanding of species interactions and habitats to determine how to appropriately address local and global issues relating to Earth's ecosystems.

HUMANITIES

BIOETHICS 1-2 H

6220600-6221600

Two-semester course, grade level 11, 12

Prerequisite: Two years of lab science and two years of English or Instructor approval

Bioethics 1-2 H challenges students to think critically about contemporary ethics in the fields of science and technology. Students will explore philosophical principles of ethical theories and how they shape decision making of current and future policy. Additionally, the course examines the responsibilities placed on institutions involved in scientific exploration and innovation. Multidisciplinary projects will showcase student understanding of the themes addressed within class discussions and independent research.

INTERNSHIP

BIOSCIENCE INTERNSHIP AND RESEARCH EXPERIENCE 1-2

6224000-6225000

Two-semester course, grade level 12

Prerequisite: Three years of lab science and 3 years of English or Instructor approval

The Bioscience Internship and Research course is offered at the senior level for students who are ready to observe and participate with professionals working in the medical, engineering, and other fields related to science, technology and mathematics. This is the capstone course for the Bioscience Experience, and it is required for students to receive a Bioscience High School diploma. Students will explore an extensive list of career choices. The program of study includes: (1) Classroom instruction which emphasizes assignments and projects that include but not be limited to the following topics: leadership qualities, work ethic, collaboration, interpersonal skills, personal care, attitude, organization, prioritizing, job-related stress, working under pressure in a fast-paced, deadline-oriented environment, multi-tasking, efficiency in the workforce, and communication skills; (2) industry-based work experience in a work environment that closely matches students' interests and abilities; (3) independent research project on a topic of interest to the student.

BIOSCIENCE INTERNSHIP AND RESEARCH EXPERIENCE 1-2 H

6224600-6225600

Two-semester course, grade level 12

Prerequisite: Three years of lab science and 3 years of English or Instructor approval

The Bioscience Internship and Research course is offered at the senior level for students who are ready to observe and participate with professionals working in the medical, engineering, and other fields related to science, technology and mathematics. This is the capstone course for the Bioscience Experience, and it is required for students to receive a Bioscience High School diploma. Students will explore an extensive list of career choices. The program of study includes: (1) Classroom instruction which emphasizes assignments and projects that include but not be limited to the following topics: leadership qualities, work ethic, collaboration, interpersonal skills, personal care, attitude, organization, prioritizing, job-related stress, working under pressure in a fast-paced, deadline-oriented environment, multi-tasking, efficiency in the workforce, and communication skills; (2) industry-based work experience in a work environment that closely matches students' interests and abilities; (3) independent research project on a topic of interest to the student.

GENERAL ELECTIVES

SUSTAINABILITY 1-2 H

0460120-0460130

Two-semester course, grade level 11

This course is aligned to the Arizona College and Career Ready Standards and fulfills an elective credit for graduation. It will explore human behavior as a product of natural, social and cultural living environments. Students will examine systematic patterns and processes of human understanding, use and alteration of the earth's surface. Inquiry-based examinations of urban development, historic origins of resource use, and evolving human-environment as it affects vulnerability and resilience of individuals and communities.

BOSTROM

High School

3535 North 27th Avenue
Phoenix, Arizona 85015
(602) 764-1700 • www.PXU.org/Bostrom



Since 1976, Bostrom has provided opportunities for students to find success in a small school environment that focuses on academic achievement in reading, writing, and math as well as helping students develop appropriate social and interpersonal skills. Bostrom is structured and disciplined, with a concentrated focus on academic success. We have outstanding staff members who care, and who hold each student (and parent) accountable for his/her education. Bostrom is available to 10th, 11th and 12th graders who reside in the Phoenix Union High School District. Instruction is delivered in six-week sessions in which students concentrate on two block classes at a time. Students may take classes in Math, English, Social Studies, Science and some elective classes. Students that are eligible may take Career & Technical Education classes at Metro Tech, or attend Evening School. Students are selected for admission based on an application and interview process and parents must attend a mandatory orientation.

GENERAL INFORMATION

MISSION

Preparing Every Student for Success in College, Career, and Life.

VISION

Bostrom Alternative High School is dedicated to preparing students to be productive, informed, and responsible citizens. We provide parents with the tools to assist their student toward achieving success. High academic standards, a strict code of conduct, and a respect for diversity prepare our students for success in college, career and life. Bostrom provides a safe learning community that actively involves students, parents, staff, and community members.

STUDENTS WHO ARE SUSPENDED

Bostrom offers educational opportunities to selected students who have been suspended long-term from their home school, but not expelled. Parents may contact the school for an appointment if the student's home school has offered the option.

REGISTRATION PROCESS:

Students who are interested in attending Bostrom should call (602) 764-1708 for information on enrolling.

GENERAL ELECTIVES

PROGRAMMING WITH SCRATCH 1-2

6408000-6409000

Two-semester course, grade level 10, 11, 12

Prerequisite: Students must have math skills sufficient to understand basic algebra, basic computer applications such as keyboard, typing, browser and file-based computer applications such as digital camera, desktop publisher, or an MP3 player

This course is a two-semester web-based class designed for those students with little computer experience and for those who use a computer every day. They will learn the fundamental aspects of computer programming and media manipulation through creating interactive stories, animations and games using "Scratch." Scratch is a graphical programming environment that introduces the primary aspects of software in a visual setting. It allows students to control the actions and interactions of different media using a snap-it-together approach to programming.

Business and Technology Education (2-Credit Program Sequence)				
	Option 1	Option 2	Option 3	Recommended Practicum
9th grade (not required)	*Career & Tech Exp 1	*Career & Tech Exp 1	*Career & Tech Exp 1	
10th grade	Bus & Tech Ed 1-2		Bus & Tech Ed 1-2	
11th grade	Bus & Tech Ed 3-4	Bus & Tech Ed 1-2		
12th grade		Bus & Tech Ed 3-4	Bus & Tech Ed 3-4	Internship (optional)

*Course descriptions for Career & Technology Exploration 1 found on page C3

BUSINESS AND TECHNOLOGY EDUCATION 1-2 MODIFIED

6980000-6981000

6980008-6981008

Two-semester course, grade level 10, 11

Prerequisite: Career and Technology Exploration 1 recommended

This course is designed to prepare students for instruction in business communications, principles of business law, word processing, spreadsheet, database, presentation software and desktop publishing. The students will also gain skills with office equipment and procedures, public relations, filing, records management and report preparation. This course takes an integrated approach to teaching and learning to provide students enhanced technical knowledge and skills associated with functions within business occupations. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Future Business Leaders of America (FBLA), a state and national career and technical student organization.

BUSINESS AND TECHNOLOGY EDUCATION 3-4

6982000-6983000

Two-semester course, grade level 11, 12

Prerequisite: Successful completion of Business and Technology 1-2

This advanced course is designed to further develop skills using word processing, spreadsheet, database, presentation software and desktop publishing while integrating the skills attained in the Business and Technology 1-2 course. This course provides the same integrated approach to teaching and learning as the introductory course. Students will be provided advanced development of their technical knowledge and skills associated with functions within business occupations. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Future Business Leaders of America (FBLA), a state and national career and technical student organization.

BUSINESS AND TECHNOLOGY EDUCATION INTERNSHIP 1-2

6984000-6985000

One-semester course, grade level 12

Prerequisite: Successful completion of Business Technology Education 1-2 & 3-4 or concurrent enrollment in Business Technology Education 3-4. Must be at least 16 years of age.

This course is a coordinated work-based learning program which provides students authentic work experience in the business environment. This course allows the student to participate in a structured work environment off campus, and involves the application of technical skills gained in earlier Business and Technology Program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the business environment. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations. Course may be repeated for additional credit.

TREVOR G. BROWNE

High School

7402 West Catalina Drive
Phoenix, Arizona 85033
(602) 764-8500 • www.PXU.org/Browne



Trevor G. Browne High School's mission is to prepare all students for success in college, career and life. With a full array of Honors and AP courses, award-winning performing arts and visual arts programs, and our seven-time state champion JROTC Adventure Team, we firmly believe that every student can be the best they can be at TGB.

Each year our seniors garner millions in scholarships to colleges and universities around the nation. We believe in meeting the needs of each learner, whether through our evening school program, virtual learning, concept or credit recovery opportunities, and specialized services.

As part of the TGB mindset, we encourage strong minds, strong hearts, and a strong commitment to relationships.

#Bruinstrong

SCIENCE

FORENSICS 1-2

0300170-0300180

Two-semester course, grade level 11, 12

Prerequisite: A completed approved science course sequence or concurrent in the 3rd of 3 courses in an approved sequence

Forensic science is the application of basic biological, chemical and physical science principles and technological practices to the purposes of justice in the study of criminal and civil issues. In this class, emphasis is on understanding the underlying scientific theories of forensic science, with special emphasis on the basics of chemistry. The class will build upon the student's prior knowledge of biology and chemistry, using analytical chemistry techniques to analyze and identify trace evidence, including DNA. Students will evaluate the constituents of materials by organic, inorganic, and biochemical analysis, and use their academic and laboratory skills to develop a deeper understanding of science. This class prepares students to further their science education at the university level and introduces them to the possibilities of a science related career. Major themes of study in this course are pathology, anthropology, odontology, ballistics, trace evidence, biological fluids, DNA, fingerprints, impression evidence, questioned documents and forensic psychiatry/psychology.

GENERAL ELECTIVES

PSYCHOLOGY OF CULTURE

2200730

One-semester course, grade level 11, 12

Prerequisite: Human Psychology

Present current knowledge about human diversity in behavior and culture using examples from a variety of contexts within western and global societies. Examines theoretical and empirical approaches to understanding the individual as a member of society, including the development of attitudes, social behavior, group processes, motives, attitudes, norms, and the socialization process. In general, cross-cultural psychology is the scientific study of how people think about, influence, and relate to one another. The goal of this course is to help you see the connections between the important research work in cross-cultural psychology and research applications to the real world around us.

ABNORMAL PSYCHOLOGY

2200750

One-semester course, grade level 11, 12

Prerequisite: Human Psychology

This course introduces students and presents a scientific survey of the subfield of Psychology interested in researching the nature and causes of deviant or unusual human behavior both within and across cultures.

MATH APPLICATIONS IN AUTO TECHNOLOGY 3-4

0200170-0200180

Two-semester course, grade level 12

Prerequisite: Passing grade in Algebra 3-4 or Algebra 3-4 H or equivalent, or Instructor recommendation. Successful completion of Auto Technology 1-2.

This course provides students instruction on how mathematical analysis can be used in the final course of the Transportation / Auto Technology program. Students develop, demonstrate, and communicate mathematical concepts that relate to algebraic functions, geometry, measurement, proportional reasoning, and statistics. Students gain real world experience by working on customer vehicles. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Skills USA, a state and national career and technical student organization. This course is aligned with the Arizona Mathematics Standards and fulfills the fourth mathematics credit needed for graduation.

CAREER & TECHNICAL EDUCATION

AUTOMOTIVE TECHNOLOGIES 1-2 5035000-5036000

Two-semester course, grade level 10, 11

\$20.00 Fee Per Semester

Prerequisite: Career & Technology Exploration 1 recommended

AUTOMOTIVE TECHNOLOGIES 3-4 5037000-5038000

Two-semester course, grade level 10, 11, 12

\$20.00 Fee Per Semester

Prerequisite: Successful completion of Auto Technologies 1-2

AUTO TECHNOLOGIES 5-6 5039000-5040000

Two-semester course, grade level 11, 12

\$20.00 Fee Per Semester

Prerequisite: Successful completion of Auto Technologies 3-4

The Automotive Technologies program prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. The Automotive Technologies includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension, and steering, automatic and manual transmissions and drive trains, and heating and air condition systems. The Automotive Technologies instructional program prepares students for entry-level employment, further training, and/or post-secondary education. Automotive Technologies students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA.

AUTO TECHNOLOGY INTERNSHIP 1-2

5041000-5042000

Two-semester course, grade level 12

Prerequisite: Successful completion of Auto Technology 1-2 and 3-4 and currently enrolled in Auto Technology 5-6 or 3-4 if program blocked

Must be 16 years of age.

This course is a coordinated work-based learning program which provides students authentic work experience in Auto Technology. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Auto Technology Program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the automotive industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

CAMELBACK

High School

4612 North 28th Street
Phoenix, Arizona 85016
(602) 764-7000 • www.PXU.org/Camelback



Camelback High School is A Unified Community Dedicated to Building Graduates Worthy of the Spartan SHIELD(Stewardship, Honor, Intelligence, Ethics, Leadership, Discipline). Students are required to engage in community service, participate in a club or sport, and attend campus events to ensure campus and community connectedness. Camelback features a school-within-a-school, The Camelback Montessori College Preparatory, Arizona's first Montessori High School, as well as innovative programs, including Amped Entrepreneurship and ASU Pro M.D.

Academically, CBHS's aggressive Advanced Placement (AP) growth plan has resulted in a variety of AP offerings in different disciplines. Additionally, Camelback's intense focus college-readiness initiatives has resulted in a dramatic increase in college-going rates and scholarships. Camelback boasts extensive performing and visual arts programs that include band, guitar, drums, piano, flagline, choir, dance, drama, ceramics, drawing, AP Studio Art, and digital photography. Besides fielding every major sport, Camelback offers 50 clubs that range from archery to camp. Our innovative Advisory Period provides every student with academic intervention and enrichment, as well as an opportunity to connections with caring adults.

Camelback is dedicated to maintaining a Clean, Beautiful, Happy, Safe learning environment and committed to the personal and academic excellence of all Spartans.

CENTRAL High School

4525 North Central Avenue
Phoenix, Arizona 85012
(602) 764-7500 • www.PXU.org/Central

CENTRAL



Central High School is home of the Bobcats! At Central we provide a rigorous curriculum that has an emphasis on Dual Enrollment and Advanced Placement (AP) courses. These programs offer students the opportunity to earn college credit while enrolled at Central.

Central is also home to the Global Studies Magnet Program, which offers a diverse selection of world language and global business classes while offering opportunities for student to travel internationally .

Along with a partnership from Phoenix Suns Charities, Central offers special opportunities through SUNSCentral, where students receive additional academic support through increased tutoring and special student incentives. This program has allowed for many real-world experiences for our students to participate in field experiences (i.e. Culinary, Performing Arts, Business & Marketing and Photography).

Additionally, Central partners with ASU for the highly acclaimed iTeach program where scholar student teachers, interns and educational experts from ASU provide robust academic interventions, cutting edge instructional delivery and world-class staff development to improve academic achievement.

In partnership with United Way, Central offers the Destination Graduation program for freshman students. This unique program provides freshman students an opportunity to work with graduation coaches that help monitor their academic and behavioral progress in their first year of high school.

With world class curriculum, global business pathways, a student advisory period, extended learning opportunities, outstanding athletic programs and diverse activities, Central students find their campus a safe, friendly and rigorous environment for college, career and life preparation.

CENTER FOR GLOBAL STUDIES MAGNET

PROGRAM EMPHASIS:

Students with an interest in languages, world cultures and international travel are encouraged to enroll in the Center for Global Studies. Magnet students may have an opportunity to experience world cultures first hand by traveling to Japan, France, Costa Rica, China and Mexico during their Junior and Senior year. It is a program designed to give students opportunities through course work, guest speakers, and student exchange travel programs, to learn about and be aware of our global society and lay the foundation for future employment in an international setting.

GLOBAL PERSPECTIVES 1-2 H 0460100-0460110

Two-semester course, grade level 12
Prerequisite: None

This course is designed to draw on a variety of subjects, across a number of groups. It can be described as 'trans-disciplinary', with the need for students to look at global themes and issues from a variety of perspectives. These could include almost any disciplinary perspectives that are not disciplinary; particularly the personal. The course will appeal to students not simply because it will extend their understanding of the world, but also because it will develop their general potential to understand different perspectives and to make reasoned responses: skills which will be useful in their study of all other disciplines

GLOBAL GEOGRAPHY 6986600

One-semester course, grade level 10
Prerequisite: None

The purpose of Global Geography is to introduce students to the patterns and processes that have shaped human understanding, use, and alteration of the world. Topics will be studied from a regional and global perspective. These topics include language, culture and religion, the environment, population, immigration, and international relations.

CTE / HEALTH CAREERS

CULINARY PRACTICUM 1-2 1600190

One-semester course, grade level 12
Prerequisite: "C" or better in Culinary 1-2 and Culinary 3-4

Have you finished your two years of culinary and are looking for more? Are you wanting to get into the industry or into culinary school? Culinary Practicum: ServSafe will get you prepared to do both of those things and get you the certification you need.

SPORTS MEDICINE & REHABILITATION 1-2 1400090-1400100

Two-semester course, grade level 11, 12
Prerequisite: Career & Technology Exploration recommended

SPORTS MEDICINE & REHABILITATION SERVICES 3-4 1400110-1400120

Two-semester course, grade level 11, 12 Metro Tech: 12
Prerequisite: Sports Medicine & Rehabilitation 1-2

The Sports Medicine & Rehabilitation program introduces students to the roles of various disciplines within sports medicine and rehabilitation sciences as well as other allied health professions. Students will be introduced to the analysis of human movement based on anatomical and mechanical principles. Emphasis is placed on the anatomy and physiology of the muscular, skeletal, and nervous systems and their interaction in human movement and athletic performance. They will also learn signs and symptoms of injuries, illnesses, and disorders commonly seen in the physically active population. Students will develop skills in injury prevention, injury and illness assessment, and using appropriate terminology and medical documentation to record injury and illness. This program develops leadership, social, civic, and

career skills through participation in the Career and Technical Student Organization HOSA (Future Health Professionals). This program prepares students for entry-level employment, further training, and/or post-secondary education.

SCIENCE

INTEGRATED SCIENCES 1-2 0300090-0300100

One-semester course, grade level 9, 10

This is a first-year laboratory science designed to meet Arizona standards for the sciences, and to meet the science lab requirement for state universities. Coursework includes the study of the basic concepts of biology, earth science, chemistry and physics, as well as mathematics applications.

CESAR CHAVEZ

High School

3921 West Baseline Road
Laveen, Arizona 85339
(602) 764-4000 • www.PXU.org/Chavez



Opened in 1999, Cesar Chavez is a large, comprehensive high school in Laveen. Our highly educated and committed staff serves a diverse population of students with a wide variety of programs. Our curriculum is aligned to College and Career Readiness Standards and we constantly strive to ensure that our students have access to the knowledge and technology necessary to their success in college, career, and life. We offer outstanding academics, with one of the largest and most successful Advanced Placement programs in the district, allowing students to earn college credit in nineteen different courses. We have an excellent tutoring program and support the success of our ninth graders with our Freshman House. Students participate in our Advisory program daily, allowing them individualized access to their teachers in the courses where they need the most support. Our AVID program promotes college readiness and teaches strong organization and study skills. Our students participate in a wide range of sports, clubs, and electives, including excellent programs in the fine arts, the performing arts, and JROTC. A student who is educated at Cesar Chavez gains a solid foundation in reading, writing, and math, as well as a thorough grounding in the technology necessary to succeed in the 21st century. Chavez graduates have gone on to attend outstanding universities such as Yale, Stanford, and MIT. Parents have the opportunity to participate in the American Dream Academy and Future Sun Devil Families sponsored through ASU, to learn to help their children prepare for a successful college experience. Our graduation rate and college attendance rates are high. We are proud of our students and believe that a Cesar Chavez High School education provides endless future opportunities for success.

SOCIAL STUDIES

AP MICROECONOMICS

0490010

One-semester course, grade level 11, 12

AP Microeconomics is an introductory course that focuses on the principles that apply to individual markets in an economy and it is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with fundamental microeconomic concepts. The course prepares students for college-level work and advanced placement status by providing AP success and study skills.

AP EUROPEAN HISTORY

5875900-5876900

Two-semester course, grade level 12
Prerequisite: Instructor recommendation

This course covers European History from approximately 1450 to 2001 and introduces students to cultural, economic, political and social developments that played a fundamental role in shaping the European continent and subsequently, the rest of the world. In addition to providing a basic overview of events and movements, the goals of the class are to develop an understanding of some of the principle themes in modern European history, an ability to analyze historical evidence, and an ability to express historical understanding in writing. The "themes" of the course can include intellectual and cultural history, political and diplomatic history and social and economic history.

DESIDERATA

Program

2920 North 34th Drive
Phoenix, Arizona 85004
(602) 764-0800 • www.PXU.org/Desiderata



Desiderata serves students with needs that are more effectively addressed in a small school environment. Students are referred to Desiderata through district review and approval. The Desiderata program emphasizes academic achievements as well as the social, emotional and behavioral growth of students. All students are taught token economy aligned with PBIS. Classroom activities stress student acquisition of literacy skills. Desiderata, named after the poem by Max Ehrmann, is housed in a 30,000-square foot facility that opened in 2006. Designed to be functional and supportive, it has 12 classrooms, library, fitness center, cafetorium, group therapy room, and instructional kitchen, assistive technology and an outdoor recreational area.

BETTY H. FAIRFAX

High School

8225 South 59th Avenue
Laveen, Arizona 85339
(602) 764-9000 • www.PXU.org/Fairfax



BETTY H. FAIRFAX

Betty H. Fairfax High School is Phoenix Union's newest comprehensive high school, having opened in 2007, and graduated its first senior class in Spring 2011. Named after a Phoenix educator who inspired and motivated students over a 57-year career, the school has followed in her footsteps, building a foundation of excellence. Fairfax is committed to facilitating college-level skill development and access to college preparatory courses for all students. Fairfax is an International Baccalaureate World School. This internationally-acclaimed, rigorous program will have a positive impact on students, teachers and courses at Fairfax, and enhances its concerted effort to move students into post-secondary education. The school, which has won numerous awards for its functional, efficient and eye-catching design, is also attractive to students who are making full use of all its facilities, including its outstanding library, technology, auditorium, gymnasiums and athletic fields. Extracurricular participation is a hallmark of the school, and the number of actively involved students has given Fairfax a reputation for excellence in several areas, including JROTC, music and athletics. In only its second year of varsity sports, Fairfax won a state championship in boys basketball. Cornerstones of a successful tradition are building both strong character and relationship with the school while challenging the high academic rigor of our students at Betty H. Fairfax High School.

INTERNATIONAL BACCALAUREATE PROGRAM

PROGRAM EMPHASIS:

The International Baccalaureate Program is aimed at the academically talented and highly motivated student. Its rigorous, comprehensive and integrated academic requirements lead to the earning of highly respected IB subject-area certificates or the prestigious IB diploma accepted in more than 40 foreign countries as a substitute for a national college entrance examination. IB students earn Honors credit as well as advanced standing or course credit at the college level.

Betty H. Fairfax High School offers an IB Program wherein all enrolled students will receive IB instruction. Application for IB Candidacy is available to students who are seeking a challenging and rigorous educational experience with a unique international cross-cultural focus and exceptionally high standards of achievement. Students with high ability and high performance are logical candidates. However, capable and highly motivated students who have not previously earned a high GPA can be successful in the program. Candidates will be afforded the opportunity to take IB Exams during their two year candidacy and could earn college credits.

IBCC

IB CAREER RELATED CERTIFICATE (IBCC):

The IBCC allows students to specialize in, and focus on, a career-related pathway leading to higher education and/or further education, work or apprenticeships. The IB Career Related Certificate program is for Junior and Senior students. (This is a Fairfax only offering.)

GRAPHIC DESIGN 3-4 IBCC

1040030-1040040

Two-semester course, grade level 11

Prerequisite: Student has to be accepted into the IBCC program and have passed Graphic Design 1-2

This course will build on the fundamental concepts of digital media and design. Students will apply elements and principles of art to the use of computer software to create examples of computer graphics in commercial applications. Students will explore digital art making tools and technologies to create their designs. This course will provide an opportunity for students to explore and create digital artwork using emerging technologies. Emphasis will be given to idea generation, digital processes and development of tool skills. This course will provide students the opportunity to research and produce a variety of work that will be included in the breadth section of a college-level portfolio. As an IBCC course, Graphic Design 3-4 will engage students with a challenging program of study that genuinely interests them while gaining transferable and lifelong skills in applied knowledge, critical thinking, communication, and cross-cultural engagement; all ensuring their success in college, career and life. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a national and state career and technical student organization.

ENGLISH

The IB Language A1 (English in the U.S.) Program allows students to develop the ability to engage in close, detailed analysis of written text as well as to develop the students' power of expression, both in oral and written communication in English. Moreover, the IB English Program works to broaden the students' perspectives through the study of works from other cultures and languages. These courses will fulfill the English graduation requirement for PXU.

ENGLISH 5-6 IB

4205300-4206300

Two-semester course, grade level 11

Prerequisite: English 3-4 MYP

This is the third course in the four-level IB English track. Students will write two World Literature papers and make an oral presentation which will be assessed by the International Baccalaureate Organization.

ENGLISH 7-8 IB HL

4207300-4208300

Two-semester course, grade level 12

Prerequisite: English 5-6 IB

This is the fourth course in the four-level IB English track. Students will prepare for the IB English examination in May.

MATHEMATICS

The IB Mathematics Program will enable students to formulate mathematical arguments and communicate them clearly as well as read, interpret and solve given problems in appropriate mathematical terms. The IB Mathematics curriculum includes topics in algebra, functions and equations, circular functions and trigonometry, matrices, vectors, statistics and probability, and calculus.

IB MATHEMATICS: ANALYSIS AND APPROACHES 1-2 SL

0230050-0230060

Two-semester course, grade level 11, 12

Prerequisite: Pre-Calculus Honors

IB MATHEMATICS: ANALYSIS AND APPROACHES 3-4 SL

0230070-0230080

Two-semester course, grade level 12

Prerequisite: IB Mathematics: Analysis and Approaches 1-2 SL

Two year sequence. This IB math course sequence is designed for students with a good background in mathematics who are competent in a range of analytical and technical skills. The majority of these students will be expecting to include mathematics as a major component of their university studies, either as a subject in its own right or within courses such as physics, engineering and technology. Others may take this subject because they have a strong interest in mathematics and enjoy meeting its challenges and engaging with its problems.

IB MATHEMATICS: APPLICATION AND INTERPRETATION 1-2 SL

0230090-0230100

Two-semester course, grade level 11, 12

Prerequisite: Algebra 3-4 IB

This course is designed for students who enjoy describing the real world and solving practical problems using mathematics, those who are interested in harnessing the power of technology alongside exploring mathematical models and enjoy the more practical side of mathematics. This course will include content, including statistics. It is intended to meet the needs of students whose interest in mathematics is more practical than theoretical.

IB MATHEMATICS: APPLICATION AND INTERPRETATION 3-4 SL

0230110-0230120

Two-semester course, grade level 12

Prerequisite: IB Mathematics: Application and Interpretation 1-2 SL

Students taking the Math Studies SL course will follow the curriculum outlined by the International Baccalaureate Diploma Program. This course is for those students who do not consider themselves to be strong math students, and those who do not foresee using higher level math concepts in their future studies or employment. This course will provide students with the opportunity to practice the concepts and principles in real-world applications. Math Studies SL students are expected to analyze problems using the appropriate notation, terminology, techniques, and graphical presentations. An important focus of this course is critical thinking and logic, allowing students to demonstrate their comprehension of both the significance and the reasonableness of their results. Students gain experience formulating mathematical arguments and effectively communicating their justifications through a variety of means, including tables, graphs, and diagrams. The applications of technology are also employed as appropriate mathematical tools for problem solving, data analysis, and presentation of mathematical investigations and modeling. Internationalism will be incorporated into the math studies curriculum through the use of real-world problem solving. Students will compare events that have taken place in their neighborhoods to events that have taken place internationally. Conversion of foreign currency and other forms of measurement will be investigated.

PERFORMING ARTS

DANCE IB 1-2 SL/HL

0530090-0530100

Two-semester course, grade level 11,12

Prerequisite: Intermediate Dance 3-4

Give students the opportunity to learn several genres of dance as well as dance forms from other cultures, the history of dance, dance terminology and dance performance.

DANCE IB 3-4 SL/HL

0530110-0530120

Two-semester course, grade level 11, 12

Prerequisite: Advanced Dance 1-2 IB SL/HL and Instructor Approval

A continuation of Advanced Dance 1-2 IB to give the student an increased appreciation of and experience in dance and cultural dance as art forms.

MUSIC 1-2 IB SL/HL

0530150-0530160

Two-semester course, grade level 11, 12

Prerequisite: Instructor Approval

Rehearsal of technique material and music to teach and reinforce music fundamentals, and in the study of music history, theory, and analysis.

MUSIC 3-4 IB SL/HL

0530170-0530180

Two-semester course, grade level 11, 12

Prerequisite: Instructor Approval

Rehearsal of technique material and music to teach and reinforce music fundamentals, and in the study of music history, theory, and analysis.

THEATER ARTS 1-2 IB SL/HL

0530230-0530240

Two-semester course, grade level 11, 12

Prerequisite: Completion of Intermediate Theater Arts Coursework

This full-year course will be available to all students who meet the prerequisites and are interested in completing more rigorous course work in theatre. There are five compulsory components in the course: Performance Skills, World Theatre Studies, Practical Play Analysis, Theatre Production and Individual Project. Students will study the forms theatre takes in cultures other than their own and, through this understanding, will better understand themselves, their society and their world.

THEATER ARTS 3-4 IB SL/HL

0530250-0530260

Two-semester course, grade level 11/12

Prerequisite: Completion of Theater Arts 1-2 IB SL/HL Coursework

The purpose of this year-long course is to give the student an increased appreciation of and additional experience in theatre as an art form. It is a precursor to the junior and senior Theatre Arts IB classes, where students have the opportunity to test in higher level Theatre Arts as one of their six IB tests. The student will act, direct, or be technically involved in scenes, one-act plays, or full length productions. Students will be continuing their study of technical theatre, history, and culture. The student will read, write, direct, analyze, and evaluate plays as well as view and discuss electronic and live performances. History, culture, and technology will be examined and career opportunities will be explored. This course demands a high level of effort and commitment while encouraging enjoyment of creative expression. By creating, performing, analyzing and critiquing dramatic works, students develop a deeper understanding of themselves, their society and their world.

FILM 1-2 IB

6128300-6129300

Two-semester course, grade level 11, 12

FILM 3-4 IB

6783300-6784300

Two-semester course, grade level 11, 12

Prerequisite: Film 1-2 IB

Two year sequence. This film course combines several classes into one by developing film historical and production knowledge, analytical and technical skills. Students will develop an understanding of the art of film by learning its history (with an emphasis on international studies), genres and theories as well as applying styles and techniques learned to their own film productions.

SCIENCE

A common curriculum model applies to all IB Experimental Science courses: biology, chemistry and physics. Courses in the IB Experimental Sciences curriculum will enable students to apply and use a body of knowledge, methods and techniques that characterize science and technology. IB Science students will develop extensive experimental and investigative skills as well as an ability to analyze, evaluate, and synthesize scientific information.

BIOLOGY 1-2 IB PREP

5711350-5712350

Two-semester course, grade level 9

Prerequisite: Admittance to the IB Program

This class is a laboratory science course designed for students wishing to pursue a more challenging and quantitative approach to biology. Students of Biology 1-2 IB PREP will explore, in depth, concepts related to cellular processes, interdependence of organisms and the environmental system, genetics and the molecular basis of heredity, and the scientific principles and processes involved in biological evolution. Students will begin to prepare for IB assessments.

BIOLOGY 3-4 IB SL

5713300-5714300

Two-semester course, grade level 11, 12

Prerequisite: Biology 1-2 or Chemistry 1-2

IB Biology 3-4 SL is a course for IB students taking the standard level IB exams. The course addresses the extended laboratory hours and additional topics as outlined in the IB Biology syllabus. Topics include: statistics, the cell, biochemistry, genetics, ecology, evolution, human systems, and nutrition. Students will produce a Group 4 science project, which is internally assessed. Samples of one of the required internal assessments will be externally assessed by the IB curriculum and Assessment office and will prepare for the Standard Level IB Biology summative assessments.

BIOLOGY 5-6 IB HL

5719300-5720300

Two-semester course, grade level 12
Prerequisite: Biology 3-4 IB

This is the required course for students wishing to take the Higher Level IB Biology exams. The course addresses the extended laboratory hours and additional higher level topics as outlined in the IB Biology This is the required course for students wishing to take the Higher Level IB Biology exams. The course addresses the extended laboratory hours and additional higher level topics as outlined in the IB Biology Subject Guide. Students will produce a Group 4 science project, which is internally assessed. Samples of one of the required internal assessments will be externally assessed by the IB Curriculum and Assessment office. Students will prepare for the Higher Level IB Biology summative assessments.

CHEMISTRY 1-2 IB

5721350-5722350

Two-semester course, grade level 10, 11, 12
Prerequisite: Geometry 1-2 IB, Biology 1-2 IB

Chemistry 1-2 IB is a laboratory science course designed for students who wish to pursue a more challenging and quantitative approach to chemistry. The student will learn about matter, energy, and the composition of the universe. The major instructional areas are: identifying consistencies in experimental data, structure of matter as a key to chemical and physical properties, mole concept, and energy changes in matter, conservation of energy, equilibrium systems, and stoichiometric relationships. Laboratory work and the scientific method are emphasized. Research papers and individual laboratory research may be required. This course is the first in the IB Chemistry program.

CHEMISTRY 3-4 IB

5723300-5724300

Two-semester course, grade level 11, 12
Prerequisite: Chemistry 1-2 IB or Chemistry 1-2 H, Algebra 3-4 IB Prep or Algebra 3-4 H

Laboratory work and the scientific method are greatly emphasized in this advanced chemistry course. Research papers and individual laboratory research are required. Students will produce a Group 4 science project which will be externally assessed by the IB Curriculum and Assessment office. This is the final class in the IB Chemistry course sequence and prepares students for the summative IB assessments.

CHEMISTRY 5-6 IB HL

0330130-0330140

Two-semester course, grade level 12
Prerequisite: Algebra 3-4, Mathematical Application and Interpretation

Chemistry 5-6 is a laboratory science course that prepares students for the IB Chemistry HL exam. This course closely follows the IB Chemistry syllabus and explores additional higher-level topics in transition elements, chemical bonding, thermochemistry, kinetics, equilibrium, acids & bases, redox reactions, and organic chemistry. Students will complete a Group 4 project and an individual laboratory.

PHYSICS 1-2 IB

5751350-5752350

Two-semester course, grade level 10, 11, 12
Prerequisite: Geometry 1-2 MYP or Accelerated Algebra/Geometry 1-2 MYP, Biology 1-2 MYP
Meets PXU and Arizona Science Standards graduation requirement
Meets laboratory science admission requirement of Arizona universities

Physics 1-2 IB Prep is a laboratory science course designed for students who wish to pursue a more challenging approach to physics. Topics include: motion, forces, energy, waves, light, electricity, magnetism, radioactivity, mechanical energy, nuclear physics, and alternative energy sources. Major concepts are introduced through laboratory experiences. This course is the first in the IB Physics program.

PHYSICS 3-4 IB

5753300-5754300

Two-semester course, grade level 11, 12
Prerequisite: Physics 1-2 IB, Algebra 3-4 IB Prep

This course requires more in-depth focus on the fundamentals of physics. Research papers and individual laboratory research are required. Topics include: light, electricity, magnetism, radioactivity, nuclear physics, and alternative energy sources. Students will produce a Group 4 science project which will be externally assessed by the IB Curriculum and Assessment office. This is the final class in the IB Physics course sequence and prepares students for the summative IB assessments.

PHYSICS 5-6 IB

5789300-5790300

Two-semester course, grade level 12
Prerequisite: Physics 3-4 IB

The core of Physics IB consists of a study of the following topics: physics and physical measurement, mechanics, thermal physics, waves, electricity and magnetism, atomic and nuclear physics, measurement and uncertainties, thermal physics and wave phenomena, electromagnetism, quantum physics and nuclear physics.

SOCIAL STUDIES

Social Studies courses are categorized as Individuals and Societies by the International Baccalaureate Organization. Courses in the IB Individuals and Society will encourage the systemic and critical study of human experience and behavior; physical, economic, and social environments; and the history and development of social and cultural institutions. Students in IB Individuals and Society courses will develop the capacity to identify, to analyze critically, and to evaluate theories, concepts and arguments about the nature and activities of the individual and society.

HISTORY 1-2 IB SL

5821300-5822300

Two-semester course, grade level 11
Prerequisite: Government and Economics

This is the third of four courses in the IB "Individuals and Society" track which prepares students for IB examinations. Students successfully completing this course will be classified as having passed the state essential competencies covered in US / Arizona History 1-2 and US / Arizona History 1-2 H.

HISTORY 3-4 IB HL

5813300-5814300

Two-semester course, grade level 12
Prerequisite: History 1-2 IB SL

This is the fourth course in the four course IB "Individuals and Society" track which prepares students for IB examinations in History.

SOCIAL & CULTURAL ANTHROPOLOGY 1-2 IB SL

0430010-0430020

Two-semester course, grade level 11, 12
Prerequisite: Concurrent enrollment in or successful completion of History 1-2 IB SL.

Social and Cultural Anthropology 1-2 IB SL will provide students with opportunities to become acquainted with global and local perspectives of such contemporary issues as war and conflict, the environment, poverty, problems of injustice, inequality and human rights. Students will complete a field research project incorporating two different data collection techniques as well as write a research report of 2000 words. This course will prepare students for the Social Cultural Anthropology IB examination.

PSYCHOLOGY 1-2 IB SL

6414300-6415300

Two-semester course, grade level 11, 12

PSYCHOLOGY 3-4 IB HL

6416300-6417300

Two-semester course, grade level 11, 12
Prerequisite: Psychology 1-2 IB SL

This is a two-year sequence. Psychology is the systematic study of behavior and mental processes. Psychology has its roots in both the natural and social sciences, leading to a variety of research designs and applications, and providing a unique approach to understanding modern society. IB Psychology examines the interaction of biological, cognitive, and sociocultural influences on human behavior, thereby adopting an integrative approach. Understanding how psychological knowledge is generated, developed and applied enables students to achieve a greater understanding of themselves and appreciate the diversity of human behavior. The ethical concerns raised by the methodology and application of psychological research are key considerations in psychology.

VISUAL ART

The IB Visual Arts Program enables students to engage in both practical exploration and artistic production. Courses are designed to enable students to study visual arts in higher education and also to welcome students who seek life enrichment through visual arts. IB Visual Arts students prepare for a final juried art show where they are to demonstrate technical competence and artistic qualities that challenge and extend personal boundaries.

ADVANCED ART 1-2 IB SL 0530190-0530200

Two-semester course, grade level 11, 12

\$30.00 Fee Per Semester

Prerequisite: None – non-IB students need Instructor approval.

This course is designed to provide the IB art student skills, techniques and experiences necessary to meet the requirements of the IB Art Examination.

ADVANCED ART 3-4 IB SL/HL 0530210-0530220

Higher level research/investigation

Two-semester course, grade level 12

\$30.00 Fee Per Semester

Prerequisite: Advanced Art 1-2 IB

This course prepares students for the final juried assessment of all IB art research and completed art projects. Students will prepare for a final art show that will be assessed according to the current IB guidelines.

WORLD LANGUAGES

FRENCH 5-6 IB 4805300-4806300

Two-semester course, grade level 11

Prerequisite: French 3-4

This is a third year course in French which has been designed to prepare students for IB French examinations.

FRENCH 7-8 IB SL 4807300-4808300

Two-semester course, grade level 12

Prerequisite: French 5-6 IB

This is a fourth year course in French which has been designed to prepare students for IB French examinations.

FRENCH 9-10 IB HL 4809300-4810300

Two-semester course, grade level 12

Prerequisite: French 7-8 IB

This is a fifth year course in French which has been designed to prepare students for IB French examinations.

JAPANESE 5-6 IB 0630050-0630060

Two-semester course, grade level 11, 12

Prerequisite: Japanese 3-4

This is a third-year course in Japanese which has been designed to prepare students for IB examinations.

JAPANESE IB SL 7-8 0630070-0630080

Two-semester course, grade level 12

Prerequisite: Japanese 5-6

This is a fourth-year course in Japanese which has been designed to prepare students for IB examinations.

SPANISH 5-6 IB 4825300-4826300

Two-semester course, grade level 11

Prerequisite: Spanish 3-4

This is a third year course in Spanish which has been designed to prepare students for IB examinations.

SPANISH 7-8 IB SL

4827300-4828300

Two-semester course, grade level 12

Prerequisite: Spanish 5-6 IB

This is a fourth year course in Spanish which has been designed to prepare students for IB examinations.

SPANISH 9-10 IB HL

4829300-4830300

Two-semester course, grade level 9

Prerequisite: Spanish 7-8 IB SL

This is a fifth year course in Spanish which has been designed to prepare students for IB examinations.

OTHER IB COURSES

IB CORE 1-2 (TOK, EE, AND CAS) 4805300-4806300

Two-semester course, grade level 11

Prerequisite: Admission to IB program

This course will include study of IB Theory of Knowledge (TOK) core, Extend Essay (EE), and Creativity, Action and Service (CAS) requirements.

- TOK will focus on challenging students and their teachers to reflect critically on diverse ways of knowing and areas of knowledge. Students complete a TOK essay. In addition, students must prepare an individual or group presentation that must focus on a contemporary issue where students apply TOK principles or concepts.
- Extend Essay portion will focus on The Extended Essay, a requirement of the IB Program that is externally assessed by the IB curriculum office. To earn an IB Diploma, students must write a formal 4,000 word essay in one of the IB content areas. The Extended Essay assignment is intended to promote high-level research and writing skills, intellectual discovery, and creativity. Successful completion of this IB capstone project will be optimal preparation for college writing assignments and thereby prepare students for success in college, career, and life.
- CAS will focus on the activities students' do to complete their CAS project as an IB program requirement. This course will include a series of experiences including, but not limited to, participation in group discussion, guest speaker presentations, internships, field trips, and development of leadership skills, career and vocational exploration. These opportunities will allow pursuits across interdisciplinary lines and/or greater depth in existing disciplines.

IB CORE 3-4 (TOK, EE, AND CAS) 0430050-0430060

Two-semester course, grade level 12

Prerequisite: Admission to IB program

A continuation of the IB Core 1-2 course. This course will include study of IB Theory of Knowledge (TOK) core, Extend Essay (EE), and Creativity, Action and Service (CAS) requirements.

- TOK will focus on challenging students and their teachers to reflect critically on diverse ways of knowing and areas of knowledge. Students complete a TOK essay. In addition, students must prepare an individual or group presentation that must focus on a contemporary issue where students apply TOK principles or concepts.
- Extend Essay portion will focus on The Extended Essay, a requirement of the IB Program that is externally assessed by the IB curriculum office. To earn an IB Diploma, students must write a formal 4,000 word essay in one of the IB content areas. The Extended Essay assignment is intended to promote high-level research and writing skills, intellectual discovery, and creativity. Successful completion of this IB capstone project will be optimal preparation for college writing assignments and thereby prepare students for success in college, career, and life.
- CAS will focus on the activities students' do to complete their CAS project as an IB program requirement. This course will include a series of experiences including, but not limited to, participation in group discussion, guest speaker presentations, internships, field trips, and development of leadership skills, career and vocational exploration. These opportunities will allow pursuits across interdisciplinary lines and/or greater depth in existing disciplines.

FRANKLIN

Police & Fire High School

1645 West McDowell Road
Phoenix, Arizona 85007
(602) 764-0200 • www.PXU.org/Franklin



MISSION

“Preparing Every Student for Success in College, Career, and Life”

Franklin Police & Fire High School provides a rigorous and disciplined physical and academic college prep high school education. Students attending Franklin come to prepare for careers in Law Enforcement and/or Firefighting. Additionally, all of our students are expected to go to college and become leaders.

CAREER & TECHNICAL EDUCATION

FIREFIGHTING & EMS 1-2

6089000-6080000

Offered every 9 weeks, grade level 11, 12

FIREFIGHTING & EMS 3-4

6091000-6092000

Offered every 9 weeks, grade level 12

Prerequisite: Successful completion of Fire Fighting 1-2

The Firefighting and EMS program focuses on the principles, theory, and practices associated with the management of fire operations, firefighting services, community fire issues, and emergency medical services. The Fire Service program includes instruction in fire protection history and theory, incident command leadership, administration of public fire organizations, labor relations, emergency medical services management, fire emergency response strategies and mitigation, legal and regulatory responsibilities, budgeting, public relations, and organizational leadership. Fire Service students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA.

FIREFIGHTING & EMS INTERNSHIP 1-2

1500010-1500020

Two-semester course, grade level 12

Prerequisite: Successful completion of Firefighting & EMS 1-2 and 3-4 or concurrent enrollment in Firefighting & EMS 3-4

Must be at least 16 years of age.

This course is a coordinated work-based learning program which provides students authentic work experience in Firefighting related fields. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Firefighting classes. This paid or unpaid internship helps the student to practice and improve employability skills in the marketing industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations. Course may be repeated for additional credit.

LAW & PUBLIC SAFETY 1-2**6117000-6118000**

Offered every 9 weeks, grade level 11, 12

Prerequisite: Career Connections in Public Safety 1-2 recommended

LAW & PUBLIC SAFETY 3-4**6119000-6111000**

Offered every 9 weeks, grade level 12

Prerequisite: Successful Completion of Law & Public Safety 1-2

The Law and Public Safety program prepares individuals to apply theories and practices of organization management and criminal justice to the administration of public law enforcement agencies and operations. The Law and Public Safety program includes instruction in law enforcement history and theory, operational command leadership, administration of public police organizations, labor relations, incident response strategies, legal and regulatory responsibilities, budgeting, public relations, and organizational leadership. Law and Public Safety students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA.

**LAW & PUBLIC SAFETY
INTERNSHIP 1-2****1500030-1500040**

Two-semester course, grade level 12

Prerequisite: Successful completion of Law Enforcement 1-2 and 3-4 or concurrent enrollment in Law Enforcement 3-4

Must be at least 16 years of age.

This course is a coordinated work-based learning program which provides students authentic work experience in Law Enforcement related fields. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Law Enforcement classes. This paid or unpaid internship helps the student to practice and improve employability skills in the marketing industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations. Course may be repeated for additional credit.

**EXPLORING CAREERS
IN PUBLIC SAFETY****6969000-6970000**

One-semester course, grade level 9 only

Prerequisite: None

Students will explore the wide variety of occupational pathways to assist them in making informed career decisions. Students will utilize technology-based research tools to locate and collect information and various other tools to determine which occupational areas are a good match for their skills, interests, and personality, which will assist them in development of career and education plans. In addition, students will practice and develop computer literacy skills through the use of word processing, spreadsheet, and database software; enhance their employability skills by using a variety of technology tools; and utilize the Internet for information gathering and communication using e-mail. All students must provide parental approval for Internet use.

ENRICHMENT SEMINAR 1-2**6971000-6972000**

Two-semester course, grade level 10 only

Prerequisite: Successful completion of Exploring Careers in Public Safety 1 recommended.

This course is designed to give sophomores an opportunity for in-depth career exploration and develop skills specific to the Fire Fighting and Law Enforcement career areas. In addition to shadowing opportunities, students will participate in a variety of hands-on lab activities, and practice skills directly related to the junior and senior level Fire Fighting and Law Enforcement programs. The student will have the ability to make a more informed choice when selecting their career program of study for their junior and senior years. All students must provide parental approval for Internet use. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a national and state career and technical student organization.

MATHEMATICS ELECTIVES**APPLIED STATISTICS
FOR PUBLIC SAFETY****6787000-7009000**

Two-semester course, grade level 11, 12

Prerequisite: Passing grade in Algebra 3-4

Meets PXU and Arizona Mathematics Standards graduation requirements

Applied Statistics for Public Safety will prepare students to utilize statistics and statistical tools specific to public safety. The course includes descriptive statistics, inferential statistics, measures of association and correlation, analysis of variance techniques, and alternative multivariate techniques, using those statistics and statistical tools most frequently employed to conduct public safety analyses.

WORLD LANGUAGE ELECTIVES**SPANISH 1 FOR PUBLIC SAFETY****6500000**

One-semester course, grade level 12

Prerequisite: Enrollment in a Law or Fire program

Spanish 1 for Public Safety is a one-semester course designed specifically for students enrolled in the Law and Fire programs. Emphasis is placed on acquiring Standard Spanish while developing the critical phrases and cultural awareness skills required of public safety professions. Students will gain skills in the five standards of World Languages at the **Intermediate Low** performance level: Interpretive Listening (IL) and Reading (IR), Presentational Speaking (PS) and Writing (PW), and Interpersonal Communication (IC). Acquiring an additional language will prepare students to become an integral part of the global cultural community while meeting professional requirements. This course does not meet the university admission requirement for world language study and does not replace any course in the world languages sequence.

Next course of study: N/A

SCIENCE

FORENSIC SCIENCE 1-2 H**0360010-0360020**

Two-semester course, grade level 11, 12

Prerequisite: Biology 1-2

Meets lab science requirements.

Forensics offers a unique framework for a combination of principles from biology, chemistry, and physics, as well as an understanding of how scientific principles are handled within the legal system. The course will develop an understanding of various types of forensic evidence and their analysis within a laboratory setting, combined with real-life case studies and an emphasis on team collaboration, similar to how Crime Scene Investigation Teams analyze case evidence to draw a conclusion. The course is designed for students with an interest in Forensics, Law Enforcement, Chemistry, and those wishing to pursue a legal career. This course also prepares students to further their science education at the university level, and introduces them to the possibilities of a science related career.

FORENSIC SCIENCE 3-4**1500090-1500100**

Two-semester course, grade level 11, 12

Prerequisite: Biology, Forensic Science 1-2

Meets lab science requirements.

Forensics offers a unique framework for a combination of principles from biology, chemistry, and physics, as well as an understanding of how scientific principles are handled within the legal system. The course will develop an understanding of various types of forensic evidence and their analysis within a laboratory setting, combined with real-life case studies and an emphasis on team collaboration, similar to how Crime Scene Investigation Teams analyze case evidence to draw a conclusion. The course is designed for students with an interest in Forensics, Law Enforcement, Chemistry, and those wishing to pursue a legal career. This course also prepares students to further their science education at the university level, and introduces them to the possibilities of a science related career.

CARL HAYDEN

Community High School

3333 West Roosevelt Street
Phoenix, Arizona 85009
(602) 764-3000 • www.PXU.org/Hayden



CARL HAYDEN

Established in 1957, Carl Hayden Community High School is a pillar in the community. Carl Hayden offers a wide range of educational core classes and experiences that will prepare students for success in college, career and life. Carl Hayden offers Magnet programs in Computer Studies and Marine Science as well as opportunities for students to be involved in honors classes and dual enrollment courses (where students can earn community college credit), AP classes, AVID, and an internationally renowned Robotics program. Our programs are designed to meet the needs of all students so they can be successful in global society. No matter how diverse the students' needs, our programs are designed with student learning as the focus. To further address the students' needs, we also include a host of extracurricular clubs and athletics to fully develop a complete student. In short, Carl Hayden Community High School provides a quality and appropriate education for all students.

CENTER FOR COMPUTER STUDIES

PROGRAM EMPHASIS:

Students enrolled in the Center for Computer Studies will be given exceptional opportunities to utilize the latest computer hardware and software packages. A student's strong interest in computers will be met with a curriculum that emphasizes problem solving skills, teamwork and creativity through the creation of original projects. This Magnet provides its graduates the skills needed for success in college, particularly in a technical or computer field, or employment after high school.

COMPUTER FUNDAMENTALS 1-2 4905003-4906003

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Computer Fundamentals is a survey course for students to learn to use the computer in a variety of applications. Students learn word processing, hardware, software, using the Internet, computer graphics, spreadsheets and desktop publishing. Students are also given an introduction to computer programming. Computer ethics and responsibility are emphasized.

COMPUTER SCIENCE 1-2 H 4907603-4908603

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Computer Science 1-2 H is an accelerated course of study for students who have previous experience using computers. Students develop computer skills in areas such as word processing, desktop publishing, spreadsheets and future computer uses, computer ethics, hardware and software, and computer history. Projects are included that allow students to work individually and in groups. This course provides an introduction to structured computer programming and software engineering. Computer ethics and responsibility are emphasized. This course is available for dual enrollment community college credit.

COMPUTER SCIENCE 3-4 H 4909603-4910603

Two-semester course, grade level 10, 11, 12
Prerequisites: Computer Science 1-2 H

Students enrolled in Computer Science 3-4 H continue to develop structured programming and problem solving skills. Students in this course program solutions to a variety of problems using a contemporary language such as Visual Basic or Java. This course provides an in-depth study of the following programming topics: branching, looping, arrays, procedures, functions and parameter passing. Other computer science and software engineering topics are explored, including game design. The course is available for dual enrollment community college credit.

AP COMPUTER SCIENCE A 5-6 1090010-1090020

Two-semester course, grade level 11, 12
Prerequisite: Computer Science 3-4 H

In AP Computer Science A students apply their programming skills to larger and more complex problems and situations. Students develop an understanding of how programming works as a large scale process by using case studies and working on programming teams. Understanding and using complex data structures such as arrays, records and classes is the primary focus of this course. Additional computer science topics such as numbering systems, Boolean algebra and graph theory are also studied. Students completing this course are prepared to take the Advanced Placement Exam in Computer Science.

COMPUTER SCIENCE SENIOR SEMINAR 1-2 H

4995603-4996603

Two-semester course, grade level 12

Prerequisite: Completion of three full-year courses from the Computer Studies magnet program

Senior Seminar is a course designed for students who wish to do independent study in areas of computer science that interests them. Through this course students will complete individual and/or group projects and may prepare for computer competitions. Possible topics include advanced programming, video game design, multimedia, digital video and web design. Any appropriate topic can be pursued.

COMPUTER GRAPHIC DESIGN 1-2 4913003-4914003

Two-semester course, grade level 10, 11 and 12

Prerequisite: Computer Fundamentals 1-2 or Computer Science 1-2 H

Students create real publishing projects using a variety of computing technologies. Solutions for communications problems are reached using page layout, web page design, graphics, digital imaging and type applications. Principles of typography and color are emphasized. Graphic design principles are used to create publications such as posters, brochures, newsletters, logos and web pages.

ADVANCED MEDIA IMAGING 1-2 H 4911603-4912603

Two-semester course, grade Level 10, 11, 12

Prerequisite: Computer Fundamentals 1-2 or Computer Science 1-2 H

This course focuses on creating and managing digital images for print, video and the web. Students learn design principles, basic drawing skills and how to enhance and repair photographs. First semester topics include drawing with a computer, principles of design and color, text as graphics, photo collage, photo repair and rebuilds. Second semester topics include animation, independent projects and web design principles. This course is available for dual enrollment community college credit. This course qualifies for fine arts credit.

INNOVATIVE TECHNOLOGIES 1-2 4903003-4904003

Two-semester course, grade level 10, 11 and 12

Prerequisite: Computer Fundamentals 1-2 or Computer Science 1-2 H

Innovative Technologies introduces students to exciting topics in the world of computers and technology. The course content is dynamic and changes from year to year, allowing students to work with leading edge software and hardware. Typical modules include digital video and school broadcast components, robotics, the Internet, and podcasts.

INTEGRATED SOFTWARE

4917003

One-semester course, grade level 9, 10, 11, 12

Prerequisite: None

Students enrolled in Integrated Software produce professional documents using current popular software. Word processing, digital images, presentation software and movie creation software are incorporated. This course includes a culminating final project.

MULTIMEDIA PRESENTATIONS 1-2 H 4921603-4922603

Two-semester course, grade level 11, 12

Prerequisite: Completion of two full-year courses from the Computer Studies magnet program

Students create multimedia presentations using the computer, digital imaging, video, or sound and animation as message-delivery tools. Emphasis is on projects where students use multimedia tools for interactive presentations for school and business. The course stresses the connectivity processes for creating visual communications. The course is available for dual enrollment community college credit.

MULTIMEDIA**PRESENTATIONS 3-4 H****4923603-4924603**

Two-semester course, grade level 12

Pre/Co-requisite: Multimedia Presentations 1-2 H

Students use various video authoring tools to create projects using sophisticated computer systems. Projects include full-screen digital video, special effects and CD quality audio for multimedia development and business communication. Advanced connectivity solutions using CD-ROM, video and various computer platforms are incorporated into student projects. The course is available for dual enrollment community college credit.

NETWORKING & OPERATING**SYSTEMS 1-2 H****4925603-4926603**

Two-semester course, grade level 11, 12

Prerequisite: Completion of two full-year courses from the Computer Studies magnet program or teacher approval

Students in Networking & Operating Systems 1-2 H study current network software and hardware. Popular operating systems such as Windows, Mac OS, and Linux are introduced and compared.

CENTER FOR MARINE / ENVIRONMENTAL SCIENCE

PROGRAM EMPHASIS:

Through hands-on activities, field trips and original research projects, the Center for Marine/Environmental Science will equip students with the information, skills and personal experiences necessary to deal with the complex issues facing people today. This educational package will enable the students to make intelligent decisions about the environment and discover possible solutions for its wise use, restoration and conservation.

SCIENCE

INTRO TO MARINE SCIENCE 1-2**5239003-5240003**

Two-semester course, grade level 9

Prerequisite: None

Meets the PXU and AZ Science Standards graduation requirement

Meets laboratory science admissions requirements of AZ universities

This course is structured on basic oceanography concepts including: the dynamic processes of water, the sea floor, and abundant life forms. This class takes a broad approach, relying on basic concepts to explain the ocean's mysteries. This course utilizes labs to familiarize students with scientific principles and concepts related to marine science. The scientific method will be integrated throughout the course. This course involves the integration of technology and allows students to work with many instruments, devices, and computers to accomplish their work.

MARINE BIOLOGY 1-2**5241003-5242003**

Two-semester course, grade level 10

Prerequisite: Introduction to Marine Science, or Instructor approval

Meets the PXU and AZ Science Standards graduation requirement

Meets laboratory science admissions requirements of AZ universities

This course is a laboratory science course and is designed to extend the knowledge base learned in Biology 1-2. The course will continue to teach problem solving and critical thinking related to issues associated with water, marine organisms, and ecosystems. The primary emphasis will be on the organization of marine life and the in-depth study of marine plants and invertebrates. Course work enables students to participate in experiences where they apply concepts and skills they have learned to a "real world" situation. This course involves the integration of technology by enabling students to work with many instruments, devices, and computers to accomplish their work.

MARINE BIOLOGY 1-2 H**0360130-0360140**

Two-semester course, grade level 9, 12

Prerequisite: Intro to Marine Science 1-2

Meets the PXU and AZ Science Standards graduation requirement.

Meets laboratory science admissions requirements of AZ universities.

This is a college level course designed for students interested in pursuing careers and post-secondary education in marine and science related fields. In this course, students will extend the basic concepts of biology, apply critical thinking skills, and use various technologies such as marine instruments, computers and the internet to learn about marine organisms and ecosystems. This course offers the opportunity for students to earn both high school and college credit as part of the Dual Enrollment program with South Mountain Community College.

APPLIED MARINE SCIENCE 1-2**5231003-5232003**

Two-semester course, grade level 11

Prerequisite: Marine Biology 1-2, or Instructor approval

This course does not meet the PXU and AZ science standards graduation requirement.

Applied Marine Science extends the concepts learned in Marine Biology 1-2 and promotes problem solving and critical thinking related to issues associated with water, marine organisms, and ecosystems. The primary emphasis will be on the evolution of marine life and in-depth study of marine vertebrates and ecology. Course work may enable students to participate in a field experience that allows them to apply concepts and skills they have learned to a "real world" situation. The field experience for this 3rd year course may include scuba diving instruction, working with different marine life, and technology. This course involves integration of technology by enabling students to work with many instruments, devices, and computers to accomplish their work.

MARINE SCIENCE RESEARCH 1-2**5243003-5244003**

Two-semester course, grade level 12

Prerequisites: Applied Marine Science 1-2 & Marine Biology 1-2

This course does not meet the PXU and AZ science standards graduation requirement.

Students will conduct original research projects centered on marine issues. Advanced research techniques will be taught and followed, data analyzed and a final report written on each research project.

ENGLISH ELECTIVES

**CONTEMPORARY WOMEN'S
LITERATURE 1-2****4257000-4258000**

Two-semester course, grade level 12

Prerequisite: Simultaneous or previous enrollment in English 7-8

This course does not fulfill the four-year English requirement

This course introduces students to contemporary women writers. Emphasis is placed upon reading comprehension and critical writing, reflecting the social, literary and conceptual ideas presented in the works of the authors.

SOUTH / CENTRAL AMERICAN LITERATURE 4245003

One-semester course, grade level 12

Prerequisite: None

This course does not fulfill the four-year English requirement.

The students and teacher will discuss, in a seminar, various aspects of this literary genre. The students will write a formal 5-10 page essay. Students will also write critiques in addition to writing creative efforts based upon various styles. An overall view of South American literature will be sequenced into the discussions. Grades will be based upon the quality of the discussion and writing from each student. Students will be required to spend a great amount of time outside of class reading material.

MARYVALE

High School

3415 North 59th Avenue
Phoenix, Arizona 85031
(602) 764-2000 • www.PXU.org/Maryvale



WELCOME TO MARYVALE HIGH SCHOOL – HOME OF THE PANTHERS

We offer a rigorous curriculum that consists of over sixty AP and Honors sections in all academic and elective classes. Students also have the opportunity to be dual enrolled with Phoenix College earning college credit alongside their high school credit. Our seniors consistently receive scholarships totaling over two million dollars. Maryvale has a highly qualified staff including six National Board Certified Teachers.

Maryvale is known for having an outstanding Performing Arts program which includes Touring Guitar Ensemble, Choir, Jazz Choir, Marching and Concert Honors Band, Jazz Band, Honors Orchestra, Piano, Dance and Drama courses. Our Touring Guitar Ensemble has performed for audiences on the East and West Coasts and in Europe.

Competitive athletic programs such as football, soccer, basketball, track and field, cross country, spirit line, tennis, golf, baseball, softball, wrestling, and volleyball are offered to all students. Maryvale is proud to have the youngest Olympic Gold Medalist in wrestling among its alumni, Henry Cejudo. Also among alumni are Frank Garcia, Darren Woodson and Phillippi Sparks who played in the National Football League. Maryvale offers membership in over sixty student clubs and organizations for all students.

PERFORMING ARTS

INTRODUCTION TO MUSIC THEORY

0500270

One-semester course

This is a course designed for those students who desire more musical enrichment, to improve their participation in school ensembles and classes, for students planning on taking AP Music Theory, as well as for students planning on a career in music. Students will learn the basic rules that govern scales and chords, as well as develop proficiency in sight singing and dictation.

METRO TECH

High School

1900 West Thomas Road
Phoenix, Arizona 85015
(602) 764-8000 • www.PXU.org/MetroTech

METRO TECH



Metro Tech High School is the only comprehensive College and Career Magnet High School in the Phoenix Union High School District. Our students complete an academic curriculum containing Honors, Advanced Placement, and Dual Enrollment Classes as well as four years of Career Technical Education (CTE) classes. Metro Tech is a member of the Arizona Interscholastic Association and has competitive team sports and clubs available to all students. In addition, Metro Tech requires community service/awareness for all students. Graduates from Metro Tech High School are prepared for college, career, and life.

METRO TECH

PROGRAM EMPHASIS:

Metro Tech High School combines all the necessary academic courses for graduation and post-secondary education with 19 Career & Technical Education programs. Critical thinking, communication, information processing, collaboration and work habits are emphasized and assessed in every course at Metro Tech. All regular, ELP and honors courses are offered with several of the course offerings integrated and even jointly instructed. Metro Tech graduates have the skills needed to be successful in post-secondary studies and the world of work.

Students may enroll full time at Metro Tech. Offerings include a complete, grades 9-12, magnet school combined with academic preparation and technology and career preparation. Also, high school students from any comprehensive or alternative campus in the Phoenix Union High School District may elect to attend Metro Tech part time their 11th grade and 12th grade years as a dual student. Dual students attend academic classes at their home school and attend Metro Tech for high-quality career training programs.

Metro Tech (CTE Program Sequence)	
9th grade	Career & Technology Exploration 1
10th grade	Metro Career Connections 1-2
11th grade	CTE Junior-Level Program 1-2
12th grade	CTE Senior-Level Program 3-4

CTE JUNIOR & SENIOR LEVEL PROGRAMS

AUTOMOTIVE COLLISION AND REPAIR 1-2 6017000

Two-semester course, grade level 11

\$25.00 Annual Fee

Prerequisite: Career & Technology Exploration 1 recommended

AUTOMOTIVE COLLISION REPAIR 3-4 6019000

Two-semester course, grade level 12

\$25.00 Annual Fee

Prerequisite: Successful completion of Automotive Collision Repair 1-2

The Automotive Collision Repair program prepares individuals to apply technical knowledge and skills to repair, reconstruct, and finish automobile bodies, fenders, and external features. The Automotive Collision Repair program delivers instruction in structure analysis, damage repair, non-structural analysis, mechanical and electrical components, plastics and adhesives, painting and refinishing techniques, damage analysis and estimating. Automotive Collision Repair students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA.

AUTOMOTIVE COLLISION REPAIR INTERNSHIP 1-2 2000250-2000260

Two-semester course, grade level 12

Prerequisite: Successful completion of Automotive Collision Repair 1-2 and 3-4 or concurrent enrollment in Automotive Collision Repair 3-4.

Must be at least 16 year of age.

This course is a coordinated work-based learning program which provides students authentic work experience in Automotive Collision and Repair. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Automotive Collision Repair program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the construction industry. Appropriate internship placement is secure with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

AUTOMOTIVE TECHNOLOGIES 1-2:

BRAKES, SUSPENSION AND STEERING 1-2 6183000

ELECTRICAL/ELECTRONIC SYSTEMS 1-2 6185000

ENGINE PERFORMANCE 1-2 6181000

Two-semester course, Grade level 11

\$20.00 Annual Fee

Prerequisite: Successful completion of Algebra 1-2; Career and Technology Exploration 1 recommended; Student enters and maintains a minimum 2.0 grade point average; and program instructor approval.

This course involves three 12-week rotations. This program meets the strict industry standards required for Automotive Service Excellence (ASE) certification by the National Automotive Technicians Education Foundation (NATEF), and Automotive Youth Educational Systems (AYES). The Automotive Technologies instructional program prepares students for entry-level employment, further training, and/or post-secondary education. Dual credit with Gateway Community College is available once during a student's Automotive 1-2 or Automotive 3-4 coursework. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a state and national career and technical student organization.

AUTOMOTIVE TECHNOLOGIES 3-4:
BRAKES, SUSPENSION AND STEERING 3-4 6205000
ELECTRICAL/ELECTRONIC SYSTEMS 3-4 6207000
ENGINE PERFORMANCE 3-4 6209000

Two-semester course, Grade level 12
 \$20.00 Annual Fee

Prerequisite: Successful completion of Automotive Technologies 1-2.
 Students must maintain a minimum 2.0 GPA and receive program instructor approval.

Students will continue their program of study in Automotive Technologies. Students will build upon and expand the skills attained in the 1-2 program, and experience new skills related to Automotive Technologies fields. The Automotive Technologies instructional program prepares students for entry-level employment, further training, and/or post-secondary education. Upon successful completion of Automotive Technologies 3-4, students will be prepared to take the Automotive Service Excellence (ASE) student certification exams. Community college dual enrollment credit will be offered. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a state and national career and technical student organization.

**MATHEMATICAL APPLICATIONS IN
 AUTOMOTIVE TECHNOLOGIES 3-4** 0200110-0200120

Two-semester course, grade level 11, 12

Prerequisite: Passing grade in Algebra 3-4 or Algebra 3-4 H or equivalent or Instructor recommendation.

Successful completion of Transportation / Auto Tech 1-2. Meets PXU and Arizona Mathematics Standards graduation requirements

This course provides students instruction on how mathematical analysis can be used in the final course of the Transportation / Auto Technology program. Students develop, demonstrate, and communicate mathematical concepts that relate to algebraic functions, geometry, measurement, proportional reasoning, and statistics. Students gain real world experience by working on customer vehicles. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a state and national career and technical student organization. This course is aligned with the Arizona Mathematics Standards and fulfills the fourth mathematics credit needed for graduation.

**AUTOMOTIVE TECHNOLOGIES
 INTERNSHIP 1-2** 2000230-2000240

Two-semester course, grade level 12

Prerequisite: Successful completion of Automotive Technologies 1-2 and 3-4 or concurrent enrollment in Automotive Technologies 3-4. Must be 16 years of age.

This course is a coordinated work-based learning program, which provides students authentic work experience in the Business environment. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Business Program classes. This paid or unpaid internship helps the students to practice and improve employability skills in the Business environment. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

FINANCIAL SERVICES 1-2 1200290-1200300

One-semester course, grade level 10, 11, 12

Prerequisite: Career and Technology Exploration 1 recommended

FINANCIAL SERVICES 3-4 1200310-1200320

One-semester course, grade level 11, 12

Prerequisite: Financial Services 1-2

This course prepares students to plan, manage, and analyze the financial and monetary aspects and performance of business enterprises, banking institutions, or other organizations. Students who successfully complete the Financial Services program's coherent sequence of instruction will develop an in-depth understanding of business and financial management principles and practices as well as the fundamentals of personal finance. The Financial Services program includes instruction in principles of accounting, banking, financial instruments, capital planning, funds acquisition, asset and debt management, insurance, budgeting, financial analysis, investments and portfolio management, and customer service for financial service organizations. Students learn and practice valuable real-world skills using industry standard spreadsheets and/or accounting software to manage financial information. Students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organization, FBLA (Future Business Leaders of America). This program prepares students for entry-level employment, further training, and/or post-secondary education.

**FINANCIAL SERVICES
 INTERNSHIP 1-2** 1200330-1200340

Two-semester course, grade level 12

Prerequisite: Successful completion of Banking and Financial Services 1-2 and 3-4 or concurrently enrolled in Banking Financial Services 3-4. Must be at least 16 years of age.

This course is a coordinated work-based learning program which provides students authentic work experience in Banking and Financial Services. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Banking and Financial Services program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the Banking and Financial Services industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

**BUSINESS MANAGEMENT AND
 ADMINISTRATIVE SERVICES 1-2** 6130000

One-semester course, offered every 18 weeks, grade level 11, 12

Prerequisite: Career and Technology Exploration 1 recommended

This course is designed to prepare students for a career in any business or office environment. Students will acquire necessary skills for today's business world. Students will learn, in a hands-on environment, about various aspects of how businesses operate. This hands-on training will utilize several different computer software programs such as Microsoft Office, including Word, Excel, Access, PowerPoint, Publisher, and Internet Explorer. Written and oral communication will also be emphasized. Business management and business administration content areas will include, but are not limited to, job skills, ethics, office management, marketing, human resources, economics, teamwork, and leadership. Community college dual enrollment credit will be offered. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Future Business Leaders of America (FBLA), a state and national career and technical student organization.

BUSINESS MANAGEMENT AND ADMINISTRATIVE SERVICES 3-4

6132000

One-semester course, grade level 11, 12

Prerequisite: Successful completion of Business Management and Administrative Services 1-2.

This advanced course is designed to further develop employment skills in business management and administrative services and will assist students in choosing a career. Students will receive real-world job experience through class projects or an on-the-job training (OJT) program. This class will also offer an opportunity to gain advanced computer and technology skills. Additionally, job-related skills, teamwork, interpersonal skills, leadership, finances, and communication skills will be covered in-depth. Community college dual enrollment credit will be offered. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Future Business Leaders of America (FBLA), a state and national career and technical student organization.

BUSINESS MANAGEMENT AND ADMINISTRATIVE SERVICES INTERNSHIP 1-2

1200050-1200060

Two-semester course, grade level 12

Prerequisite: Successful completion of Business Management and Administrative Services 1-2 and 3-4 or concurrently enrolled in Business Management and Administrative Services 3-4. Must be at least 16 years of age.

This course is a coordinated work based learning program which provides students authentic work experience in Business Management and Administrative Services. This course allows the student to participate in a structured work environment off campus, and involves the application of technical skills gained in earlier Business Management and Administrative Services program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the Business Management and Administrative Services industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

COMPUTER MAINTENANCE & CYBER SECURITY 1-2

1000590-1000600

One-semester course, offered every 18 weeks, grade level 11, 12

\$25.00 2 Year Program One Time Fee

Prerequisite: Career and Technology Exploration 1 recommended

COMPUTER & NETWORK TECHNOLOGY 3-4 H

6051000

One-semester course, grade level 11, 12

\$25.00 2 Year Program One Time Fee

Prerequisite: Successful completion of Computer Maintenance & Cyber Security 1-2

Recommended Tools: USB memory stick, blank CD-R/RWs.

The Computer Maintenance instructional program prepares students to design, development, installation, implementation, use, and management of computers and various computer devices. Students who successfully complete the Computer Maintenance program's coherent sequence of instruction will develop effective methods to troubleshooting problems using effective communication skills by asking key questions, listening for technical problems and, in turn, explaining problems in an understandable way. This instructional program prepares students for entry-level employment, further training, and/or post-secondary education. Computer Maintenance students develop leadership, social, civic, and career skills through participation in the state recognized Career and Technical Student Organizations, SkillsUSA or FBLA (Future Business Leaders of America).

COMPUTER MAINTENANCE & CYBER SECURITY INTERNSHIP 1-2

1000010-1000020

Two-semester course, grade level 12

Prerequisite: Successful completion of Computer Maintenance 1-2 and 3-4 or concurrently enrolled in Computer Maintenance 3-4.

Must be at least 16 years of age.

This course is a coordinated work-based learning program which provides students authentic work experience in Computer & Network Technology. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Computer & Network Technology program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the Computer & Network Technology industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

NETWORK TECHNOLOGIES 1-2

1000150-1000160

NETWORK TECHNOLOGIES 3-4

1000170-1000180

One-semester course, grade level 11, 12

\$25.00 2 Year Program One Time Fee

Prerequisite: Career and Technical Exploration 1 recommended

This program is designed to prepare students for entry level employment and postsecondary education related to design, installation, configuration, and troubleshooting of computer networks. Topics include network hardware, operating systems, protocols, routing, cabling, infrastructure support, telecomm, cloud/virtualization, and much more. Students will gain knowledge and skills through hands-on collaborative and independent projects. Students will also explore current trends and innovations in this field. Successful completion may lead to professional industry certifications. Other topics covered include the security, ethical and legal issues, safety, and the history of the internet and the computer networking field. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in FBLA, a state and national career and technical student organization.

CONSTRUCTION TECHNOLOGIES 1-2

5003000-5004000

Two-semester course, grade level 10, 11

\$20.00 Fee Per Semester

Prerequisite: Career & Technology Exploration 1 recommended

CONSTRUCTION TECHNOLOGIES 3-4

5005000-5006000

Two-semester course, grade level 10, 11

\$20.00 Fee Per Semester

Prerequisite: Career & Technology Exploration 1 recommended

The Construction Technologies program prepares individuals to apply technical knowledge and skills to residential and commercial building construction and remodeling. This program includes instruction in construction equipment and safety; site preparation and layout; construction estimating; blueprint reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing. Through this program students learn professional skills such as critical thinking, communication, collaboration, etc. Construction Technologies students also develop leadership, social, civic, and career skills through their participation in the state-recognized Career and Technical Student Organization SkillsUSA.

CONSTRUCTION TECHNOLOGIES INTERNSHIP 1-2

5019000-5020000

Two-semester course, grade level 12

Prerequisite: Successful completion of Construction/Technologies 1-2 and 3-4 or concurrent enrollment in Construction Technologies 3-4.

Must be at least 16 years of age.

This course is a coordinated work-based learning program which provides students authentic work experience in Construction / Woods Technology. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Construction Technologies program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the construction industry. Appropriate internship placement is secure with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

COSMETOLOGY 1-2**6057000**

Offered only at the beginning of the first and second 18-week semesters each year, grade level 11
 \$405.00 2 Year Program One Time Fee
 Prerequisite: Students must have a minimum of 10 high school credits; two (2) must be in English. Career and Technology Exploration 1 recommended, Metro Tech Cosmetology Orientation Required.
 Materials: Basic kit required to meet State Board of Cosmetology Licensure requirement

COSMETOLOGY 3-4**6059000**

Offered only at the beginning of the first and second 18-week semesters each year, grade level 11, 12
 Prerequisite Cosmetology 1-2 or Instructor approval
 Materials: Basic kit required – student will utilize kit purchased for 1-2.

The Cosmetology program prepares individuals to cut, trim, and style scalp, facial, and body hair; apply cosmetic preparations; perform manicures and pedicures; massage the head and extremities; and prepare for practice as licensed cosmetologists in specialized or full-service salons. This program includes instruction in hair cutting and styling, manicuring, pedicuring, facial treatments, shampooing, chemical applications, esthetics, shop management, sanitation and safety, customer service, and applicable professional and labor laws and regulations. This instructional program prepares students for entry level employment, further training, and/or post-secondary education. Students develop leadership, social, civic, and career skills through participation in the Career and Technical Student Organization, SkillsUSA

CULINARY ARTS 1-2**6061000**

Two-semester course, grade level 11
 \$75.00 2 Year Program One Time Fee
 Students will be required to obtain a current Maricopa Food Service Worker/Food Handler's card. Students will be required to comply with industry-specific personal presentation and dress code.
 Prerequisite: Career and Technical Exploration 1 recommended

CULINARY ARTS 3-4**6063000**

Two-semester course, grade level 12
 \$75.00 2 Year Program One Time Fee
 Students will be expected to earn their CPR/ First Aid certification. Students will be required to obtain a current Maricopa Food Service Worker/ Food Handler's card. Students are required to pass a TB test. Students will be required to comply with industry-specific personal presentation and dress code.
 Prerequisite: Successful completion of Culinary Arts 1-2

The Culinary Arts program prepares students to apply technical knowledge and skills required for food production and service occupations in commercial foodservice establishments. Students completing this program will possess the technical knowledge and skills required for planning, selecting, storing, purchasing, preparing and serving quality food products. Nutritive values, safety and sanitation procedures, use of commercial equipment, serving techniques and management of food establishments will also be studied. The instructional program prepares students for entry-level employment, further training, and/or post-secondary education. The instructional program utilizes a delivery system made up of four integral parts: formal/technical instruction, experiential learning, supervised occupational experience, and leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organization, Family, Career and Community Leaders of America (FCCLA).

ELECTRICAL WIRING 1-2**1700010-1700020**

Two-semester course, grade level 11
 Prerequisite: Career and Technology Exploration 1 recommended

ELECTRICAL WIRING 3-4**1700030-1700040**

Two-semester course, grade level 12
 Prerequisite: Successful completion of Electrical Wiring 1-2

The Electrical Wiring program prepares individuals to apply technical knowledge and skills to install indoor and outdoor residential, commercial, and industrial electrical systems, and associated power transmission lines. The program includes instruction in electricity, safety procedures, wiring, insulation and grounding, schematic blueprint interpretation, equipment operation and maintenance, and applicable codes and standards. The Electrical Wiring program prepares students for entry-level employment, further training, and/or post-secondary education for these and other occupations. Electrical Wiring students also develop leadership, social, civic, and career skills through their participation in the state-recognized Career and Technical Student Organization SkillsUSA.

ELECTRICAL WIRING INTERSHIP 1-2

Two-semester course, grade level 12
 Prerequisite: Electrical Wiring 1-2, 3-4, or concurrently enrolled in Electrical Wiring 3-4.
 Must be 16 years of age.

This course is a coordinated work-based learning program which provides students authentic work experience Electrical Wiring. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Electrical Wiring program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the Electrical industry. Appropriate internship placement is secure with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

ARCHITECTURAL DRAFTING 1-2**6065000****ARCHITECTURAL DRAFTING 3-4****6067000**

One-semester course, Offered every 18 weeks, grade level 11, 12
 \$10.00 Fee Per Semester
 Prerequisite: Algebra 1-2 and Geometry 1-2 recommended; Career and Technical Exploration 1 recommended

This course offers basic board drafting and Computer-Aided Drafting (CAD) skills to meet the industry's entry level job requirements. The students will learn the drafting language and tool/equipment handling techniques. Community college dual enrollment credit will be offered. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a state and national career and technical student organization.

EARLY CHILDHOOD EDUCATION 1-2**6073000**

One-semester course, grade level 11, 12
 \$10.00 2 Year Program One Time Fee
 Prerequisite: Career and Technical Exploration 1 recommended

This program is for students who are interested in careers in early childhood education and/or employment in the child care industry. Students develop the academic and job skills necessary for employment by participating in classroom and child care learning center activities. Responsibility and essential teaching skills are emphasized. This course provides the foundation for the attainment of the nationally recognized CDA industry credential. Students will be expected to earn their CPR/ First Aid certification, attain a current Maricopa Food Service Worker/ Food Handler's card and are required to pass a TB test. Students will be required to comply with industry-specific personal presentation and dress code. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Future Educators of America (FEA), a state and national career and technical student organization.

EARLY CHILDHOOD EDUCATION 3-4

6075000

One-semester course, grade level 11, 12
\$10.00 2 Year Program One Time Fee
Prerequisite: Successful completion with a C or better of Early Childhood Education 1-2

This advanced program includes job skills, related academic skills and responsibility skills needed to be successful in the early childhood education environment and the child care industry. The work experience in the child care learning center laboratory will provide a variety of real learning experiences that are required for employment. This course prepares students to obtain the nationally recognized CDA industry credential. Students will be expected to earn their CPR/First Aid certification, attain a current Maricopa Food Service Worker/Food Handler's card and are required to pass a TB test. Students will be required to comply with industry-specific personal presentation and dress code. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Future Educators of America (FEA), a state and national career and technical student organization.

EARLY CHILDHOOD EDUCATION CDA PRACTICUM

1900010

One-semester course, grade level 12
Prerequisite: ECE 1,2,3 & 4, current TB test, Maricopa County Food Handler Certification, First Aid and CPR Certification

Students will have the opportunity to continue their Early Childhood Education CTE program for a second year with the practicum course. The curriculum for this block course follows the national Child Development Associate Credentialing and is a national credential for which students can qualify and receive prior to graduation. Students will study concepts and develop resource file components, then apply the concepts in a childcare center. Students will develop and practice technical communication, professionalism, self-direction and initiative, and ethical practices. Requirements for registration include: exceptional attendance record; teacher recommendations; and complete application.

EDUCATION PROFESSIONS 1-2

6055000-6056000

One-semester course, grade level 10, 11, 12
Prerequisite: 12 credits at end of sophomore year; Algebra 1-2; Geometry 1-2; two years of Science; one year of World Languages recommended; Career and Technical Exploration 1 recommended

This course provides students interested in becoming a teacher a program of study in education career choices. Students will analyze the stages of child development related to teaching and learning. They will experience hands-on activities in the preparation of lesson planning and classroom management. Students will delve into education theory and methodology; learning styles; history of U. S. education and structure; roles and characteristics of teachers. Introductory classroom observation and interactive field experiences will be included. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Future Educators of America (FEA), a state and national career and technical student organization.

EDUCATION PROFESSIONS 3-4

6109000

One semester course, grade 11, 12
Prerequisite: Successful completion of Education Professions 1-2

This course continues a program of study in the "teaching" career and preparation for entry in to a post-secondary school. Advanced studies and instruction will be delivered in educational theory and methodology, learning styles, and related technology use. Issues related to exceptional learners; diversity and its impact on teaching and learning and leadership styles will be examined. Students will also study the roles and organization of school districts and governing boards. Advanced opportunities will be offered in observation and interactive field experiences. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Future Educators of America (FEA), a state and national career and technical student organization.

ENGINEERING SCIENCES 1-2

2100310-2100320

Two-semester course, grade level 11
Prerequisite: Students must maintain a 3.0 GPA; students must take Pre-Calculus Honors and Physics Honors concurrently during either their junior or senior year

In the first year of Engineering course, students will become familiar with engineering design development and technology systems. Students will use problem-solving skills and teamwork to create products in a project centered environment. Students will learn cutting edge techniques in mechanical design, robotics and automated systems. By the completion of this course, students will have produced many mechanical parts, assemblies and drawings, and also have programmed and built robotic and automated systems. Students will gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a state and national career and technical student organization.

ENGINEERING SCIENCES 3-4

2100350-2100360

Two-semester course, grade level 12
Prerequisite: Successful completion of Engineering 1-2; Algebra 1-2; Geometry 1-2 or concurrent enrollment in Geometry 1-2; Chemistry 1-2 recommended

In the second year Engineering course, students will build upon the skills learned in the first year Engineering course. Students will have the opportunity to attain advanced knowledge, techniques, and skills in mechanical design, automated systems, robotics and technical programming. Students will use problem-solving skills and teamwork to complete a capstone project and demonstrate learning by taking the mandated Arizona State Technical Skills Assessment. Students will gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Skills USA, a state and national career and technical student organization.

FASHION 1-2

6085000

Two-semester course, grade level 11, 12
Prerequisite: Career and Technical Exploration 1 recommended

Students become familiar with fashion and interior career options and prepare for related employment as they study color, design, textiles, apparel, furnishings and retailing. Studies include computer design fabric selection, home furnishings, clothing construction, floor plan design, wardrobe and merchandising. The course includes a field trip to the Los Angeles garment district. Community college dual enrollment credit will be offered. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in FCCLA, a state and national career and technical student organization.

FASHION 3-4

6087000

Two-semester course, grade level 12
Prerequisite: Successful completion of Fashion & Interior Technology 1-2

In this advanced course students develop entrepreneurial skills related to fashion careers and interior design. Design and production skills are used in the production of a fashion show and displays for a show case. Emphasis is placed on Fashion & Interior design projects. Community college dual enrollment credit will be offered. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in FCCLA, a state and national career and technical student organization.

DIGITAL FILM MAKING 1-2**6211000**

Two-semester course, grade level 11, 12

Prerequisite: Career and Technology Exploration 1 recommended

DIGITAL FILM MAKING 3-4**6213000**

Two-semester course, grade level 12

Prerequisite: Successful completion of Digital Film Making 1-2

The Digital Film Making instructional program prepares students to produce digital films and videos (including news broadcasts, commercials and public service announcements, feature films and documentaries, episodic series, music videos, educational videos, and others) and to work in a variety of on- and off-camera positions within traditional and emerging video production industries. Students also develop leadership, social, civic, and career skills through their participation in the state-recognized Career and Technical Student Organization Skills USA or FBLA (Future Business Leaders of America). The Digital Film Making instructional program prepares students for entry-level employment, further training, and/or post-secondary education.

**DIGITAL FILM MAKING
INTERNSHIP 1-2****1000410-1000420**

Two-semester course, grade level 12

Prerequisite: Successful completion of Digital Film Making 1-2 and 3-4, or concurrent enrollment in Digital Film Making 3-4. Must be 16 years of age.

This course is a coordinated work-based learning program which provides students authentic work experience in the Digital Film Making environment. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Digital Film making program classes. This paid or unpaid internship helps the students practice and improve employability skills in the Digital Film Making environment. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

**FLORAL DESIGN & BUSINESS
OPERATIONS 1-2****6810000-6811000**

One-semester course, grade level 11, 12

Prerequisite: Career and Technical Exploration 1 recommended

**FLORAL DESIGN & BUSINESS
OPERATIONS 3-4****6873000-6874000**

One-semester course, grade level 11, 12

Prerequisite: Successful completion of Floral Design and Business Operations 1-2

In the Floral Design Program students combine creativity and business operations with specific job skills as they prepare for employment in this rapidly expanding industry. Students master skills in the areas of floral display materials, arrangements, plants and flowers, sales, and customer relations as they progress through this course. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Future Business Leaders of America (FBLA), a state and national career and technical student organization. This program prepares students for entry-level employment, further training, and/or post-secondary education.

**FLORAL DESIGN & BUSINESS
OPERATIONS INTERNSHIP 1-2****1200090-1200100**

Two-semester course, grade level 12

Prerequisite: Successful completion of Floral Design and Business Operations 1-2 and 3-4 or concurrently enrolled in Floral Design and Business Operations 3-4. Must be at least 16 years of age.

This course is a coordinated work-based learning program which provides students authentic work experience in Floral Design and Business Operations. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Floral Design and Business Operations program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the Floral Design and Business Operations industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

NURSING ASSISTANT 1-2**6161000**

Two-semester course, grade level 11

\$50.00 2 Year Program One Time Fee

Prerequisite: Passed English 1, 2, 3; Biology 1; Algebra 1; and a 2.75 GPA or higher; and instructor approval; Pre-screening required; Career and Technical Exploration 1 recommended

This course is for students who want to prepare for employment in the health care industry, specifically Nursing Services, while gaining valuable information to be successful in any health career field. Students are introduced to nursing assistant health care core competencies covering the following areas: anatomy, physiology and associated pathology, medical terminology, oral and written communication, health care delivery systems, employability, legal and ethical responsibilities, safety and teamwork. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Health Occupations Students of America (HOSA), a state and national career and technical student organization.

****Students may receive a waiver for meeting the Health course requirement for graduation after passing the entire year (36 weeks) of 1-2. Refer to the Marks and Grading Manual for additional information.*

**HEALTH CAREERS 3-4: NURSING
ASSISTANT 3-4****6819000**

Two-semester course, grade level 12

\$50.00 2 Year Program One Time Fee

Prerequisite: Passed Health Careers 1-2: Nursing Assistant; and instructor approval

This course prepares students for employment in the health care industry as Nursing Assistants. Students will master nursing assistant health care core competencies covering the following areas: medical terminology, oral and written communication, nursing assistant skills, employability, legal and ethical responsibilities, safety and teamwork. The program is approved by the Arizona State Board of Nursing and students completing the program may obtain a state certificate. Community college dual enrollment credit will be offered. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Health Occupations Students of America (HOSA), a state and national career and technical student organization.

PHARMACY SUPPORT SERVICES 1-2**6157000**

Two-semester course, grade level 11

\$50.00 2 Year Program One Time Fee

Prerequisite: Career and Technology Exploration 1, English 1, 2, 3; Biology 1; Algebra 1

This course is for students who want to prepare for employment in allied health areas of the medical field, specifically Pharmacy Support Service, while gaining valuable information to be successful in any health career field. Students master applied health core competencies covering the following areas: health and wellness issues, principles of human biology, physiology and associated pathology, medical terminology, health care organizational structures, communication skills, legal responsibilities and ethical issues, patient rights and confidentiality, employability, safety and teamwork, etc. Students are introduced to a variety of health related careers. Activities include job shadowing in clinical settings. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Health Occupations Students of America (HOSA), a state and national career and technical student organization.

PHARMACY SUPPORT SERVICES 3-4**6159000**

Two-semester course, grade level 12

\$50.00 2 Year Program One Time Fee

Prerequisite: Passed English 1, 2, 3; Biology 1, Algebra 1; and a 2.75 GPA or higher, Career and Technical Exploration 1 recommended

This course prepares students for employment in the health care industry as Pharmacy Technicians. Curriculum includes training in the preparation of medication, processing of drug orders, and the proper distribution of prescriptions. Medical terminology will be used throughout the course to interpret, transcribe, and effectively communicate information. Students will learn about various careers in pharmacy. Instruction consists of both classroom and clinical experience. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Health Occupations Students of America (HOSA), a state and national career and technical student organization.

PHARMACY SUPPORT SERVICES INTERNSHIP 1-2

1400070-1400080

Two-semester course, grade level 12

Prerequisite: Successful completion of Pharmacy Support Service 1-2 and 3-4, or concurrent enrollment in Pharmacy Support Service 3-4. Must be 16 years of age.

This course is a coordinated work-based learning program, which provides students authentic work experience in the Pharmacy Support Services environment. This course allows the student to participate in a structured work environment off campus, and involves the application of technical skills gained in earlier Pharmacy Support Services Program classes. This paid or unpaid internship helps the students to practice and improve employability skills in the Pharmacy Support Services environment. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

SOFTWARE DEVELOPMENT 1-2 1000510-1000520

Two-semester course, grade level 10, 11

Prerequisite: Career and Technology Exploration 1 recommended

Students in this course will study the technology, science and art involved in the creation of computer games. Study will include a variety of software technologies relevant to games including programming languages, scripting languages, operating systems, file systems, networks, simulation engines, and multi-media design systems. Students will study some of the underlying scientific concepts from computer science and related fields including: simulation and modeling, graphics, artificial intelligence, real-time processing, and game theory. Additional study will include the art and design principles for developing usable and engaging games including: software engineering, human computer interaction, thematic structure, graphic design, choreography, music and sound effects, and game aesthetics. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a state and national career and technical student organization.

SOFTWARE DEVELOPMENT 3-4 1000530-1000540

Two-semester course, grade level 11, 12

Prerequisite: Successful completion of Computer Game Design 1-2

Students in this advanced course will continue their study of the technology, science and art involved in the creation of computer games. Study will include more complex concepts in software technologies relevant to games including programming languages, scripting languages, operating systems, file systems, networks, simulation engines, and multi-media design systems. The student will continue to work towards proficiency in the art and design principles for developing usable and engaging games including: software engineering, human computer interaction, thematic structure, graphic design, choreography, music and sound effects, and game aesthetics. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a state and national career and technical student organization.

SPORTS & ENTERTAINMENT MARKETING 1-2*

6750000-6751000

One-semester course, grade level 10, 11

Prerequisite: Career and Technology Exploration 1 recommended

This course provides students with an understanding of the social and economic responsibilities of those engaged in a competitive economic system as it pertains to the Sports and Entertainment Marketing business. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in DECA, a state and national career and technical student organization.

SPORTS & ENTERTAINMENT MARKETING 3-4*

6752000-6753000

One-semester course, grade level 11, 12

Prerequisite: Successful completion of Sports & Entertainment Marketing 1-2

This course provides students an advanced understanding of the social and economic responsibilities of those engaged in a competitive economic system as it pertains to the Sports and Entertainment Marketing business. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in DECA, a state and national career and technical student organization.

WELDING 1-2 1300010-1300020

Two-semester course, grade level 11

Prerequisite: Career and Technology Exploration 1 recommended

Welding Technologies prepares individuals to apply technical knowledge and skills to join or cut metal surfaces. Includes instruction in arc welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and nonferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards. Instruction includes career planning, preparing for employment, work-based learning, oral and written communication skills, understanding the role of small businesses and financial management, workplace leadership styles and leadership development in the welding industry. Students learn leadership skills and develop their leadership abilities through participation in the state-recognized career and technical student organizations are SkillsUSA.

WELDING 3-4 1300030-1300040

Two-semester block course, grade level 12

Prerequisite: Successful completion of Welding 1-2

This course prepares individuals to apply basic technical knowledge and skills to join or cut metal surfaces. Includes instruction in blueprint reading, arc welding, brazing soldering, cutting, safety, and applicable codes and standards. Students learn leadership skills and develop their leadership abilities through participation in the state-recognized career and technical student organizations are SkillsUSA.

NORTH High School

1101 East Thomas Road
Phoenix, Arizona 85014
(602) 764-6500 • www.PXU.com/North



Opened in 1939, North High School has a rich history of academic success within the Phoenix Union High School District. North is a comprehensive high school where all students are able to achieve an education which meets their specific needs. For academically gifted and motivated students, North High School offers the prestigious International Baccalaureate Magnet Program and has been an IB World School since 1985. For honors students, North offers a full complement of honors, AP, and dual enrollment courses. Other students benefit from diverse coursework including classes in the English for Language Learners Program, the Exceptional Student Program and over 125 electives. To date, North High boasts 88 National Merit Finalists and 97 National Merit Commendees, more than any other district school. North High has been recognized as one of the top high schools in the United States by *Newsweek* magazine and annually graduates students who exceed state and national standards.

INTERNATIONAL BACCALAUREATE PROGRAM

PROGRAM EMPHASIS:

The International Baccalaureate Program is aimed at the academically talented and highly motivated student. Its rigorous, comprehensive and integrated academic requirements lead to the earning of highly respected IB subject-area certificates or the prestigious IB diploma accepted in more than 100 countries as a substitute for a national college entrance examination. IB students earn Honors credit as well as advanced standing or course credit at the college level.

Students interested in participating in the North High IB program must submit the following: comprehensive test scores indicating placement in the 88th percentile or higher; grades of A's or B's in the seventh and eighth grades; letters of recommendation from current math, language arts, and social studies or science teachers. Successful candidates demonstrate a positive attitude towards education and are focused on receiving the best preparation possible for college.

ENGLISH

The IB Language A1 (English in the U.S.) Program allows students to develop the ability to engage in close, detailed analysis of written text as well as to develop the students' power of expression, both in oral and written communication in English. Moreover, the IB English Program works to broaden the students' perspectives through the study of works from other cultures and languages. These courses will fulfill the English graduation requirement for PXU.

ENGLISH 1-2 IB PREP 4201350-4202350

Two-semester course, grade level 9
Prerequisite: Admittance to the IB Program

This is the first course in the four-level IB English track.

ENGLISH 3-4 IB PREP 4203350-4204350

Two-semester course, grade level 10
Prerequisite: English 1-2 IB Prep

This is the second course in the four-level IB English track.

ENGLISH 5-6 IB 4205300-4206300

Two-semester course, grade level 11
Prerequisite: English 3-4 IB Prep

This is the third course in the four-level IB English track. Students will write World Literature papers and make an oral presentation which will be assessed by the International Baccalaureate Organization.

ENGLISH 7-8 IB HL 4207300-4208300

Two-semester course, grade level 12
Prerequisite: English 5-6 IB

This is the fourth course in the four-level IB English track. Students will prepare for the IB English examination in May.

ENGLISH ELECTIVES

PATHWAY TO SUCCESS 1-2 2200070-2200080

PATHWAY TO SUCCESS 3-4 2200090-2200100

One-semester elective, can be repeated for credit

Students participating in the Pathway to Success Program learn strategies to ensure success in high school course work. This interdisciplinary course provides reinforcement of literacy, organizational and test-taking strategies for success in content area classes and testing. Students work individually as well as in collaborative groups, improving study skills and receiving support in all basic skills.

MATHEMATICS

The IB Mathematics Program will enable students to formulate mathematical arguments and communicate them clearly as well as read, interpret and solve given problems in appropriate mathematical terms. The IB Mathematics curriculum includes topics in algebra, functions and equations, circular functions and trigonometry, matrices, vectors, statistics and probability, and calculus.

ALGEBRA 1-2 IB PREP 5321350-5322350

Two-semester course, grade level 9
Prerequisite: Admittance to the IB Program
Meets PXU and Arizona Mathematics Standards graduation requirements
Meets mathematics admission requirements of Arizona universities
Equivalent PXU Course: Algebra 1-2 H

This is the first course in the five-level IB mathematics track.

GEOMETRY 1-2 IB PREP 5331350-5332350

Two-semester course, grade level 9, 10
Prerequisite: Algebra 1-2 IB Prep
Meets PXU and Arizona Mathematics Standards graduation requirements
Meets mathematics admission requirements of Arizona universities
Equivalent PXU Course: Geometry 1-2 H

This is the second course in the five-level IB mathematics sequence.

ALGEBRA 3-4 IB PREP 5341350-5342350

Two-semester course, grade level 10, 11
Prerequisite: Geometry 1-2 IB Prep
Meets PXU and Arizona Mathematics Standards graduation requirements
Meets mathematics admission requirements of Arizona universities
Equivalent PXU Course: Algebra 3-4 H

This is the third course in the five-level IB mathematics sequence.

PRE-CALCULUS 1-2 IB 5353300-5354300

Two-semester course, grade level 11, 12
Prerequisite: Algebra 3-4 IB Prep
Meets PXU and Arizona Mathematics Standards graduation requirements
Meets mathematics admission requirements of Arizona universities
This is the fourth course in the five-level IB mathematics sequence.

IB MATHEMATICS: APPLICATION AND INTERPRETATION 1-2 SL 0230030-0230040

Two-semester course, grade level 11, 12
Prerequisite: Algebra 3-4 IB

This course is designed for students who enjoy describing the real world and solving practical problems using mathematics, those who are interested in harnessing the power of technology alongside exploring mathematical models and enjoy the more practical side of mathematics. This course will include content, including statistics. It is intended to meet the needs of students whose interest in mathematics is more practical than theoretical.

IB MATHEMATICS: APPLICATION AND INTERPRETATION 3-4 SL/HL 6831300-6832300

Two-semester course, grade level 12
Prerequisite: Pre-Calculus 1-2 IB
Meets PXU and Arizona Mathematics Standards graduation requirements
Meets mathematics admission requirements of Arizona universities

Two-year sequence. This course caters to students who have demonstrated a strong aptitude for learning and applying mathematical concepts. The intention of the course is to introduce students to a variety of Calculus and post-Calculus topics (Statistics and Probability) with a focus on mathematical rigor. In this course students will be expected to draw on their prior mathematical foundation as they will experience fully integrated mathematics combining their knowledge from past and present courses to solve more complex mathematical problems. The internally assessed component, the portfolio, offers students the opportunity to demonstrate independence in their ability to investigate and model mathematics. The portfolio also allows students to work without the time constraints of a written examination and to develop skills they need for communicating rigorous mathematical ideas. At the end of the second year, students sit for the IB Math Studies Exam, which covers the entire two-year course. To earn the IB Diploma, the IB Math Studies Exam counts as 80% of their IB Math Studies grade, while the students' personal research paper counts as 20%.

PERFORMING ARTS**INTRO TO THEATER ARTS 1-2 IB PREP 5417350-5418350**

Two-semester course, grade level 9, 10
Prerequisite: Admission to the IB Program

INTERMEDIATE THEATER ARTS 1-2 IB PREP 7038350-7039350

Two-semester course, grade level 10, 11
Prerequisite: Completion of the Introduction to Theatre Arts IB Prep 1-2 Course.

The purpose of these courses is to give students an increased appreciation of and additional experience in theatre as an art form. It is a precursor to the junior and senior Theatre Arts IB classes, where students have the opportunity to test in Higher Level Theatre Arts as one of their six IB tests. Students will act in pantomimes, plays, and play cuttings. Students will be introduced to technical theatre, history, and culture. Students will read, write, direct, analyze, and evaluate plays as well as view and discuss electronic and live performances. This course demands a high level of effort and commitment while encouraging enjoyment of creative expression. By creating, performing, analyzing and critiquing dramatic works, students develop a deeper understanding of themselves, their society and their world.

THEATER ARTS 1-2 IB HL 5481300-5482300

Two-semester course, grade level 11, 12
Prerequisite: Intermediate Theater Arts 1-2 IB Prep

THEATER ARTS 3-4 IB HL 7036300-7037300

Two-semester course, grade level 12
Prerequisite: Theater Arts 1-2 IB HL

These courses will be available to all students who meet the prerequisites and are interested in completing more rigorous course work in theatre. There are five compulsory components in the course: Performance Skills, World Theatre Studies, Practical Play Analysis, Theatre Production and Individual Project. Students will study the forms theatre takes in cultures other than their own and through this understanding, will better understand themselves, their society and their world. Students will complete the IB Theater Arts assessments.

SCIENCE

A common curriculum model applies to all IB Experimental Science courses: biology, chemistry and physics. Courses in the IB Experimental Sciences curriculum will enable students to apply and use a body of knowledge, methods and techniques that characterize science and technology. IB Science students will develop extensive experimental and investigative skills as well as an ability to analyze, evaluate and synthesize scientific information.

IB ENVIRONMENTAL SYSTEMS AND SOCIETIES (ES&S) 1-2 SL 0330110-0330120

Two-semester course, grade 11, 12
Prerequisite: IB Biology 1-2

Environmental Systems and Societies (ES&S) is a complex course, requiring a diverse set of skills from its students. It is firmly grounded in both a scientific exploration of environmental systems in their structure and function and in the exploration of cultural, economic, ethical, political, and social interactions of societies with the environment. As a result of studying this course, students will become equipped with the ability to recognize and evaluate the impact of our complex system of societies on the natural world.

FOUNDATIONS OF SCIENTIFIC INQUIRY 1-2 IB PREP 6502300-6503300

Two-semester course, grade level 9
Prerequisite: Admittance to the IB Program

This course is the first course in the IB Science track. This course is designed to develop a "tool kit" of concepts and skills that will be used and built upon in subsequent higher-level IB science courses, and ultimately taken into students' lives well beyond graduation. It is a freshman-level course (primarily for, but not limited to, those in the International Baccalaureate Program) that incorporates basic ideas and modes of thought common to all scientific disciplines in an enriched cross-disciplinary classroom environment. Core course objectives include: observation and measurement, development of research questions, experimental design, data collection and analysis, problem-solving (including reading for specific information), and written and oral communication in a scientific context. In addition, it is a survey course highlighting the most influential concepts of the past 400 years of scientific endeavor. Examples from fundamental concepts of biology, chemistry, and physics will be used as a substrate for the development of these ideas.

BIOLOGY 1-2 IB PREP 5711350-5712350

Two-semester course, grade level 9
Prerequisite: Admittance to the IB Program

This class is a laboratory science course designed for students wishing to pursue a more challenging and quantitative approach to biology. Students of Biology 1-2 IB will explore, in depth, concepts related to cellular processes, interdependence of organisms and the environmental system, genetics and the molecular basis of heredity, and the scientific principles and processes involved in biological evolution. Students will begin to prepare for IB assessments.

BIOLOGY 3-4 IB SL

5713300-5714300

Two-semester course, grade level 11, 12
Prerequisite: Biology 1-2 IB Prep

Biology 3-4 IB SL is a course for IB students taking the standard level IB exams. The course addresses the extended laboratory hours and additional topics as outlined in the IB Biology syllabus. Topics include: statistics, the cell, biochemistry, genetics, ecology, evolution, human systems, and nutrition. Students will produce a Group 4 science project which is internally assessed. Samples of one of the required internal assessments will be externally assessed by the IB Curriculum and Assessment office and will prepare for the Standard Level IB Biology summative assessments.

BIOLOGY 5-6 IB HL

5719300-5720300

Two-semester course, grade level 12
Prerequisite: Biology 3-4 IB SL

This is the required course for students wishing to take the Higher Level IB Biology exams. The course addresses the extended laboratory hours and additional higher level topics outlined in the IB Biology Subject Guide. Students will produce a Group 4 science project which is internally assessed. Samples of one of the required internal assessments will be externally assessed by the IB Curriculum and Assessment office. Students will prepare for the Higher Level IB Biology summative assessments.

CHEMISTRY 1-2 IB

5721350-5722350

Two-semester course, grade level 10, 11, 12
Prerequisite: Geometry 1-2 IB Prep, Biology 1-2 IB Prep

Chemistry 1-2 IB is a laboratory science course designed for students who wish to pursue a more challenging and quantitative approach to chemistry. The student will learn about matter, energy, and the composition of the universe. The major instructional areas are: identifying consistencies in experimental data, structure of matter as a key to chemical and physical properties, mole concept, and energy changes in matter, conservation of energy, equilibrium systems, and stoichiometric relationships. This is the first class in the IB Chemistry sequence and prepares students for IB assessments.

CHEMISTRY 3-4 IB SL/HL

5723300-5724300

Two-semester course, grade level 11, 12
Prerequisite: Chemistry 1-2 IB or Chemistry 1-2 H, Algebra 3-4 IB Prep or Algebra 3-4 H

Laboratory work and the scientific method are greatly emphasized in this advanced chemistry course. Research papers and individual laboratory research are required. Students will produce a Group 4 science project which will be externally assessed by the IB Curriculum and Assessment office. This is the final class in the IB Chemistry course sequence and prepares students for the summative IB assessments.

PHYSICS 1-2 IB

5751350-5752350

Two-semester course, grade level 10, 11, 12
Prerequisite: Geometry 1-2 IB Prep or Accelerated Algebra/Geometry 1-2 IB Prep, Biology 1-2 IB Prep
Meets PXU and Arizona Science Standards graduation requirement
Meets laboratory science admission requirement of Arizona universities

Physics 1-2 IB is a laboratory science course designed for students who wish to pursue a more challenging approach to physics. Topics include: motion, forces, energy, waves, light, electricity, magnetism, radioactivity, mechanical energy, nuclear physics, and alternative energy sources. Major concepts are introduced through laboratory experiences. This course is the first in the IB Physics program.

PHYSICS 3-4 IB SL/HL

5753300-5754300

Two-semester course, grade level 11, 12
Prerequisite: Physics 1-2 IB, Algebra 3-4 IB Prep

This course requires more in-depth focus on the fundamentals of physics. Research papers and individual laboratory research are required. Topics include: light, electricity, magnetism, radioactivity, nuclear physics, and alternative energy sources. Students will produce a Group 4 science project which will be externally assessed by the IB Curriculum and Assessment office. This is the final class in the IB Physics course sequence and prepares students for the summative IB assessments.

SOCIAL STUDIES

Social Studies courses are categorized as Individuals and Societies by the International Baccalaureate Organization. Courses in the IB Individuals and Society will encourage the systemic and critical study of human experience and behavior; physical, economic, and social environments; and the history and development of social and cultural institutions. Students in IB Individuals and Society courses will develop the capacity to identify, to analyze critically, and to evaluate theories, concepts and arguments about the nature and activities of the individual and society.

IB WORLD RELIGIONS 1-2

0430070-0430080

Two-semester course, grade level 11, 12, IB Junior and Seniors; general education and honors students would be able to co-seat if interested.

The Diploma Programme world religions course is a systematic, analytical yet empathetic study of the variety of beliefs and practices encountered in nine main religions of the world. The course seeks to promote an awareness of religious issues in the contemporary world by requiring the study of a diverse range of religions.

The religions should be studied in such a way that students acquire a sense of what it is like to belong to a particular religion and how that influences the way in which the followers of that religion understand the world, act in it, and relate and respond to others.

The course consists of an introductory unit, exploring five of the nine living world religions that form the basis of the syllabus. This is complemented by an in-depth study of two religions chosen from six world religions. This part of the syllabus is guided by themes, key concepts, and key questions. The final component is the investigative study, which provides opportunities for individual research of an aspect of the religious experience, practice or belief of a group and/or individual adherents.

WORLD GOVERNMENT AND

ECONOMIC SYSTEMS 1-2 IB PREP

7024300-7025300

Two-semester course, grade level 10
Prerequisite: World History / Geography 1-2 IB Prep

This is the second course in the IB "Individuals and Society" track which prepares students for IB examinations. Students successfully completing this course will have satisfied the district's Government and Economics graduation requirement. Students successfully completing this course will be classified as having passed the state essential competencies covered in these two courses.

HISTORY 1-2 IB SL

5719300-5720300

Two-semester course, grade level 11
Prerequisite: World Government & Economic Systems 1-2 IB Prep

This is the third of four courses in the IB "Individuals and Society" track which prepares students for IB examinations. Students successfully completing this course will be classified as having passed the state essential competencies covered in US / Arizona History 1-2 and US / Arizona History 1-2 H.

HISTORY 3-4 IB HL

5813300-5814300

Two-semester course, grade level 12
Prerequisite: History 1-2 IB SL

This is the fourth course in the four course IB "Individuals and Society" track which prepares students for IB examinations in History.

SOCIAL & CULTURAL

ANTHROPOLOGY 1-2 IB SL

0430010-0430020

Two-semester course, grade level 11, 12
Prerequisite: Concurrent enrollment in or successful completion of History 1-2 IB SL.

Social and Cultural Anthropology 1-2 IB SL will provide students with opportunities to become acquainted with global and local perspectives of such contemporary issues as war and conflict, the environment, poverty, problems of injustice, inequality and human rights. Students will complete a field research project incorporating two different data collection techniques as well as write a research report of 2000 words. This course will prepare students for the Social Cultural Anthropology IB examination.

PSYCHOLOGY 1-2 IB SL

6414300-6415300

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

The Diploma Programme Psychology course is designed to allow for in-depth analysis, evaluation and consolidation of learning. The overall aim of the course is to give students a deeper understanding of the nature and scope of psychology. Teachers are encouraged to find ways of delivering the course that are most relevant to their students' interests and to the school's resources. This course should be taught in an integrated way, as the different parts of the syllabus complement each other. This will allow students to make comparisons and evaluate different psychological theories and arguments.

VISUAL ART

The IB Visual Arts Program enables students to engage in both practical exploration and artistic production. Courses are designed to enable students to study visual arts in higher education and also to welcome students who seek life enrichment through visual arts. IB Visual Arts students prepare for a final juried art show where they are to demonstrate technical competence and artistic qualities that challenge and extend personal boundaries.

INTRO TO VISUAL ARTS 1-2 IB PREP 0530310-0530320

Two-semester course, grade level 9, 12
Prerequisite: Admittance to the IB Program

This course is designed to give students an appreciation of and experience in the visual arts. Students will explore various media, tools, and techniques within both two-dimensional and 3-dimensional art forms. Students will be introduced to a variety of artworks across time and from different cultures while learning to describe, analyze, interpret, and judge the artworks with a critical eye.

INTERMEDIATE VISUAL ARTS 1-2 IB PREP 0530030-0530040

Two-semester course, grade level 10, 11
Prerequisite: Intro to Visual Arts 1-2 IB Prep

This course is designed to give students an initial exploration in the visual arts. Students will experience various media, tools, and techniques within two-dimensional, 3-dimensional, and photographic-based art forms as they produce artworks of personal relevance. Students will explore artworks across time and from different cultures while learning to analyze and interpret the artworks with a critical eye. Students will spend One-semester in the Art Room and One-semester in the Traditional Photo Lab.

ADVANCED VISUAL ARTS 1-2 IB HL 0530350-0530360

Two-semester course, grade level 10, 12
\$30.00 Fee Per Semester
Prerequisite: Intermediate Visual Arts 1-2 IB Prep

This course is designed to provide the IB art student skills, techniques and experiences necessary to meet the requirements of the IB Art Examination.

ADVANCED VISUAL ARTS 3-4 IB HL 0530370-0530380

Two-semester course, grade level 10, 12
\$30.00 Fee Per Semester
Prerequisite: Advanced Visual Arts 1-2 IB HL

This course is year two of the two-year Visual Arts program and is designed to prepare students for the final assessments in the Diploma Program. Students will continue to work in the selected focus area as they continue creating artworks influenced by personal and cultural contexts. The Visual Arts Journal will continue to be used to record artist and media research, idea development, process, and reflection of completed artworks. Students will prepare for a final art show that will be assessed according to the current IB guidelines.

WORLD LANGUAGES

The IB Language B (World Languages) Program is a foreign language learning program with a focus on language acquisition and development. The study of literary and other texts will play an important part in this process. The IB World Language Program will offer insights into the culture of the country where the language is spoken.

FRENCH 1-2 IB PREP 4801350-4802350

Two-semester course, grade level 9
Prerequisite: Admittance to the IB Program

This is a first year course in French which has been designed to prepare students for IB French examinations.

FRENCH 3-4 IB PREP 4803350-4804350

Two-semester course, grade level 10
Prerequisite: French 1-2 IB Prep

This is a second year course in French which has been designed to prepare students for IB French examinations.

FRENCH 5-6 IB 4805300-4806300

Two-semester course, grade level 11
Prerequisite: French 3-4 IB Prep

This is a third year course in French which has been designed to prepare students for IB French examinations.

FRENCH 7-8 IB SL 4807300-4808300

Two-semester course, grade level 12
Prerequisite: French 5-6 IB

This is a fourth year course in French which has been designed to prepare students for IB French examinations.

FRENCH 9-10 IB HL 4809300-4810300

Two-semester course, grade level 12
Prerequisite: French 7-8 IB SL

This is a fifth year course in French which has been designed to prepare students for IB French examinations.

SPANISH 1-2 IB PREP 4821350-4822350

Two-semester course, grade level 9
Prerequisite: Admittance to the IB Program

This is a first year course in Spanish which has been designed to prepare students for IB examinations.

SPANISH 3-4 IB PREP 4823350-4824350

Two-semester course, grade level 10
Prerequisite: Spanish 1-2 IB Prep

This is a second year course in Spanish which has been designed to prepare students for IB examinations.

SPANISH 5-6 IB 4825300-4826300

Two-semester course, grade level 11
Prerequisite: Spanish 3-4 IB Prep

This is a third year course in Spanish which has been designed to prepare students for IB examinations.

SPANISH 7-8 IB SL 4827300-4828300

Two-semester course, grade level 12
Prerequisite: Spanish 5-6 IB

This is a fourth year course in Spanish which has been designed to prepare students for IB examinations.

SPANISH 9-10 IB HL 4829300-4830300

Two-semester course, grade level 9
Prerequisite: Spanish 7-8 IB SL

This is a fifth year course in Spanish which has been designed to prepare students for IB examinations.

OTHER IB COURSES

STRATEGIES FOR IB SUCCESS 1 IB PREP**6418350**

One-semester course, grade level 9
Prerequisite: Admittance to the IB Program

This course is designed to insure that students have the skills and information necessary to succeed in the rigorous IB Diploma Programme. This course will support the development of communication skills necessary to encourage inquiry, understanding, and successful academic behaviors. Strategies for IB Success will support the aims and values of the IB Program and the IB Learner profile that states "IB learners strive to be inquirers, thinkers, communicators, risk-takers, knowledgeable, principled, open-minded, caring, balanced and reflective."

IB CORE 1-2 (TOK, EE, AND CAS) 4805300-4806300

Two-semester course, grade level 11
Prerequisite: Admittance to the IB program

This course will include study of IB Theory of Knowledge (TOK) core, Extend Essay (EE), and Creativity, Action and Service (CAS) requirements.

- a. TOK will focus on challenging students and their teachers to reflect critically on diverse ways of knowing and areas of knowledge. Students complete a TOK essay. In addition, students must prepare an individual or group presentation that must focus on a contemporary issue where students apply TOK principles or concepts.
- b. Extend Essay portion will focus on The Extended Essay, a requirement of the IB Program and is externally assessed by the IB curriculum office. To earn an IB Diploma, students must write a formal 4,000 word essay in one of the IB content areas. The Extended Essay assignment is intended to promote high-level research and writing skills, intellectual discovery, and creativity. Successful completion of this IB capstone project will be optimal preparation for college writing assignments and thereby prepare students for success in college, career, and life.
- c. CAS will focus on the activities students' do to complete their CAS project as an IB program requirement. This course will include a series of experiences including, but not limited to, participation in group discussion, guest speaker presentations, internships, field trips, and development of leadership skills, career and vocational exploration. These opportunities will allow pursuits across interdisciplinary lines and/or greater depth in existing disciplines.

IB CORE 3-4 (TOK, EE, AND CAS) 0430050-0430060

Two-semester course, grade level 12
Prerequisite: Admission to the IB program

A continuation of the IB Core 1-2 course. This course will include study of IB Theory of Knowledge (TOK) core, Extend Essay (EE), and Creativity, Action and Service (CAS) requirements.

- a. TOK will focus on challenging students and their teachers to reflect critically on diverse ways of knowing and areas of knowledge. Students complete a TOK essay. In addition, students must prepare an individual or group presentation that must focus on a contemporary issue where students apply TOK principles or concepts.
- b. Extend Essay portion will focus on The Extended Essay, a requirement of the IB Program that is externally assessed by the IB curriculum office. To earn an IB Diploma, students must write a formal 4,000 word essay in one of the IB content areas. The Extended Essay assignment is intended to promote high-level research and writing skills, intellectual discovery, and creativity. Successful completion of this IB capstone project will be optimal preparation for college writing assignments and thereby prepare students for success in college, career, and life.
- c. CAS will focus on the activities students' do to complete their CAS project as an IB program requirement. This course will include a series of experiences including, but not limited to, participation in group discussion, guest speaker presentations, internships, field trips, and development of leadership skills, career and vocational exploration. These opportunities will allow pursuits across interdisciplinary lines and/or greater depth in existing disciplines.

OTHER NORTH ELECTIVES

BIG HISTORY OF SCIENCE H**0300070**

One-semester course, grade level 10
Prerequisite: None

Big History of Science is a modern, science-based origin story that uses multiple disciplines and the connections between them, to help students understand a 13.7 billion-year historical narrative and gain insight on human civilizations past, present and future.

PHOENIX CODING ACADEMY

4445 North Central Avenue
Phoenix, Arizona 85012
(602) 764-5700 • www.PXU.org/Coding



Phoenix Coding Academy focuses on computer coding and technology in an inquiry-based environment that values student curiosity, collaboration, critical thinking, engagement and relevance. Students learn software development, including game design, web and app development, networking, information security, engineering, automation and other skills in an innovative and creative setting. Technology is integrated into a full high school curricula, and students will select career pathways. Partnerships with the local tech industry afford opportunities for guest instructors, internships and industry exploration, while preparing a more diverse future workforce for the high-demand jobs within the technology sector.

With a state-of-the-art building, tech-savvy teachers and staff, an engaged tech community and the limitless creativity and imagination of youngsters who love technology, the Phoenix Coding Academy is Programmed for Success.

SCIENCE

FOUNDATIONS OF SCIENTIFIC INQUIRY 1-2 H

0330090-0330100

Two-semester course, grade level 9, 12

Prerequisite: None

Meets PXU and Arizona Science Standards graduation requirement

Meets laboratory science admission requirement of Arizona universities as an integrated science

This course is designed to develop a “tool kit” of concepts and skills that will be used and built upon in subsequent higher-level science courses, and ultimately taken into students’ lives well beyond graduation. It is a freshman-level course that incorporates basic ideas and modes of thought common to all scientific disciplines in an enriched cross-disciplinary classroom.

MATHEMATICS

INTEGRATED MATHEMATICS 1-2 H 0260090-0260100

Two-semester course, grade level 9, 10

Meets placement criteria on standardized test

Meets PXU and Arizona Mathematics Standards graduation requirements

Meets mathematics admission requirements of Arizona universities

This course is aligned to the AZ College and Career Ready Standards and fulfills the first mathematics credit for graduation. Integrated Mathematics 1-2 H will provide students conceptual development and opportunities for procedural fluency to integrate the STEM ACCR-M standards and Statistics standards. This course integrates mathematical modeling of real world data with focus on integration of technology, inquiry based learning, critical thinking and application in culminating unit projects. Algebraic concepts include: solving, building and interpreting linear and exponential functions, solving systems of equations; Geometric concepts include: foundations and tools for geometry, constructions, introduction to transformational geometry, using coordinates to prove simple geometric theorems; Statistical concepts include: representing and interpreting single variable statistics, regression of linear models.

INTEGRATED MATHEMATICS 3-4 H 0260110-0260120

Two-semester course, grade level 9, 10, 11

Meets PXU and Arizona Mathematics Standards graduation requirements

Meets mathematics admission requirements of Arizona universities

This course is aligned to the AZ College and Career Ready Standards and fulfills the second mathematics credit for graduation. Integrated Mathematics 3-4 H will provide students conceptual development and opportunities for procedural fluency to integrate the STEM ACCR-M standards and Statistics standards. This course integrates mathematical modeling of real world data with focus on integration of technology, inquiry based learning, critical thinking and application in culminating unit projects. Algebraic concepts include: rational and irrational exponents, quadratics with real coefficients, operations on polynomials, linear-quadratic systems; Geometric concepts include: geometric theorem proofs, trigonometric ratios in triangles, circle theorems, volume formulas; Statistical concepts include: independence and conditional probability, compound probability, uniform model, decision outcomes-counting rules.

INTEGRATED MATHEMATICS 5-6 H 0260130-0260140

Two-semester course, grade level 10, 11, 12

Meets PXU and Arizona Mathematics Standards graduation requirements

Meets mathematics admission requirements of Arizona universities

This course is aligned to the AZ College and Career Ready Standards and fulfills the third mathematics credit for graduation. Integrated Mathematics 5-6 H provides students conceptual development and opportunities for procedural fluency to integrate the STEM ACCR-M standards and Statistics standards. This course integrates mathematical modeling of real world data with focus on integration of technology, inquiry based learning, critical thinking and application in culminating unit projects. Algebraic concepts include: polynomials with real coefficients, factors of polynomials, root functions, radical and rational equations, logarithms from exponential functions, model periodic phenomena; Geometric concepts include: trigonometry in general triangles, two and three-dimensions; Statistical concepts include: random processes, inference and justification, sample surveys, decision outcomes-complex situations. Depending on individual test scores, students may earn dual college credit.

GENERAL ELECTIVES

DEVELOPING THE TECH MINDSET

2200430

One-semester course, grade level 11, 12

Prerequisite: Successful completion of the first year of a two-year CTE program

This course will challenge students and their teachers to reflect critically on their learning, thinking, and solution development applied to contemporary and futuristic issues, considering legal and ethical implications. The course will include a series of learning experiences including, but not limited to group discussion, case study analysis, guest speakers, field trips, and development of creative and thinking skills related to informed decision-making. The interdisciplinary connections, learning experiences, and practical application will help students develop skills crucial to success in this field including metacognitive skills, positive communication, acting with integrity, and much more. Thoughtful and informed decision-making with integrity leads to creative troubleshooting and innovative problem solving, which in turn, prepares our students for internships, college, career, and life.

EXPLORING COMPUTER SCIENCE 1-2

1000250-1000260

Two-semester course, grade level 9, 12

Prerequisite: None

This course is for Elective credit and does not meet lab requirements.

Students in this course will explore the intersection of creativity, problem solving, and contemporary computer through a variety of topics found in community college and university level computer science programs and in the technology industry. Units include human computer interaction, problem solving, web design, computer programming and coding, computing and data analysis, and robotics. Students will gain knowledge and skills through hands-on collaborative and independent projects. Students learn concepts through engaging curriculum and relevant real-world applications. Completion of the course may allow students to determine a more focused area of interest for subsequent high school level coursework, college and university options, and potential careers in the technology field.

PXU DIGITAL ACADEMY

3701 West Thomas Road, Phoenix, Arizona 85019
(602) 764-1713 • www.PXU.org/PXUDigitalAcademy



PXU Digital Academy (PXU DA) is an online high school that offers self-paced, virtual-only learning. Students in Grades 9 through 12 may enroll full-time or concurrently (simultaneously at PXU DA and their home school) at any point during the calendar year and begin coursework immediately. PXU Digital Academy provides all students with choices for academic pathways to success as well as serves at-risk students who need flexibility within the school day. All courses are delivered via Edgenuity and facilitated by highly-qualified teachers who offer students re-teaching and one-on-one tutoring, both online and in-person. Students at PXU DA have the opportunity to take Honors, Dual Enrollment, and Advanced Placement courses and have access to extracurricular clubs and sports. In this way, PXU DA students can enjoy the full high school experience while pursuing learning at the highest level on their own time and at their own pace.

The Academies at SOUTH MOUNTAIN

5401 South 7th Street
Phoenix, Arizona 85040
(602) 764-5000 • www.PXU.org/TheAcademies



The Academies at South Mountain (Formerly South Mountain High School) is the first and oldest high school in the South Mountain community, educating students since 1954. It is also home to five magnet programs – Aviation and Aerospace Education; Law-Related Studies; Performing Arts (dance, music and theatre); Visual Arts and Multimedia Communications. The school has its own art gallery, court room, radio station and simulated Air Traffic Control tower, as well as one of the largest and well-equipped auditoriums in the state. A full academic curriculum, including Advanced Placement, Honors and AVID (Advancement Via Individual Determination) is offered, as well as evening school. The well-rounded learning is evident in the success the South Mountain Academic Decathlon has achieved, qualifying for the State Championships in 20 of the past 21 years. The experienced teaching staff includes four National Board Certified teachers, and other award-winning instructors, and annually, excelling students earn over one million dollars in college scholarships. Because of the magnet programs, the arts flourish at South, from acting and dancing to sculpture and computer art. South Mountain also has a rich athletics tradition, winning 33 State Championships and sending many student-athletes to the college and professional ranks. A brand-new PE building, with exceptional training equipment is one example of South Mountain's commitment to educating the "whole" student. The South Mountain mission is to create a community of learners who are productive citizens in an ever-changing society.

CENTER FOR AVIATION / AEROSPACE EDUCATION

PROGRAM EMPHASIS:

Students enrolling in Aviation/Aerospace will gain exposure to a variety of careers in the aviation field. They will learn about the repair and maintenance of aircraft in Aircraft Maintenance Technology. In Air Traffic Control students will learn how to control air traffic. In Ground and Flight School they will work toward earning their FAA private pilot certificate in a single engine aircraft. The South Mountain High School Center for Aviation/Aerospace Education must adhere to all FAA, TSA and other state and federal regulations that govern flight, air traffic control, and aircraft maintenance training.

GENERAL ELECTIVES

AEROSPACE SAFETY-HUMAN FACTORS 2000030

One-semester course, grade level 9, 12

This course is designed to provide the student with a detailed understanding of the influences of human factors in error causation and accident prevention and control. The student will understand the specific human factor areas of error, physiology, psychology and be enabled to analyze and provide corrective/preventative inputs to organizational and operational environments in aerospace/aviation.

AEROSPACE SCIENCE 1-2 4931003-4932003

Two-semester course, grade level 9, 10

Aerospace Education provides the student with the basic concepts underlying the cultural and technological impact of aerospace.

AIRCRAFT MAINTENANCE TECHNOLOGY 1-2 4943003-4944003

Two-semester course, grade level 10, 11

This course will focus on the FAA General Section of the Airframe & Power Plant Exam. Students will prepare to take the test upon completion of the FAA requirements. Students will also take field trips to the Arizona Air National Guard facility at Sky Harbor International Airport. Students will be able to log the training time required for licensing toward an Airframe & Power Plant license.

AIRCRAFT MAINTENANCE TECHNOLOGY 3-4 4945003-4946003

Two-semester course, grade level 11, 12

Prerequisite: Aircraft Maintenance Technology 1-2

This course will focus on the FAA Practical Section of the Airframe or Power Plant Exam. Students will prepare to take the test upon completion of the FAA requirements. This class will be taught at the Arizona Air National Guard facility at Sky Harbor International Airport to gain the practical training required by the FAA. Students will be able to log the training time required for licensing toward an Airframe or Power Plant license.

AIRCRAFT MAINTENANCE TECHNOLOGY 5-6 4929003-4930003

Two-semester course, grade level 11

This course will train students in aerospace manufacturing areas where they will produce parts for aviation equipment thereby enhancing their knowledge of structural design and developing their interest in different manufacturing areas. During this two-hour lab, students will use applied mathematics and test scientific principles in relationship to aerospace engineering.

AIRPORT OPERATIONS AND MANAGEMENT 2000010

One-semester course, grade level 9, 12

The focus of this course will be an examination of the management and operations of airports, airlines, and fixed based operations (FBO). Emphasis is on the facilities that compose an airport system, airline operations and aviation support services.

AIR TRAFFIC CONTROL 1-2 4947003-4948003

Two-semester course, grade level 10, 11, 12

Prerequisite: Aerospace Science 1-2

This course is designed to provide students an introduction to the Air traffic Control profession. It offers an overview of the air traffic component of the National Airspace System (NAS). It develops an information base upon which a student can visualize the relationship between air traffic control, the other components of the NAS and the transportation industry. This course provides the student with hands-on experience regarding radio communications between the pilot and controller and interphone communications between ATC facilities. Proper terminology, phraseology and usage will be emphasized.

AIR TRAFFIC CONTROL 3-4 4949003-4950003

Two-semester course, grade level 11, 12

Prerequisite: Air Traffic Control 1-2

This course will examine the terminal and en route portions of the air traffic control systems and control of traffic using both radar and non-radar procedures. Emphasis will be on application of clearances and instruction to keep aircraft separated. The students will take the Control Tower Operator examination which will consist of airport traffic control procedures, flight assistance service, aviation weather, air navigation and en route control procedures.

AIR TRAFFIC CONTROL 5-6 6506003-6507003

Two-semester course, grade level 12

Prerequisite: Air Traffic Control 3-4

This course will build on the skills obtained in Air Traffic Control 1-2 and 3-4. It will provide the student with studies into air traffic management and future developments into the air traffic control system. Students will obtain information and assistance to get hired in the air traffic control field or related aviation occupation.

DRONE OPERATIONS – UNMANNED AERIAL SYSTEMS (UAS) / AERIAL VEHICLES (UAV) 2000040

One-semester course, grade level 9, 12

The focus of this course will be the introduction and operating applications of Unmanned Aerial Vehicles (Drones). Specific components will address history, regulations, and operational capabilities. This course will allow the student to prepare for Airman Certification of Operations of UAV/ Drones.

FLIGHT SCHOOL 1-2 4953003-4954003

Two-semester course, grade level 12

Prerequisite: Passing grade on the FAA private pilot written knowledge test, a current FAA Class III medical certificate, and all TSA documentation
Two-hour lab

This course is designed to lead students to the successful completion of the FAA private pilot certificate (Airplane Single Engine Land). The syllabus is designed to first prepare the student in a flight simulator. After a few weeks the transition will be made to the single-engine aircraft at the airport.

GROUND SCHOOL 1-2 4955003-4956003

Two-semester course, grade level 11, 12

Prerequisite: None

This course provides the student with the aerospace knowledge required to successfully complete the FAA private pilot written knowledge test. The content includes airplane systems, aerodynamics, aircraft performance, weight and balance, navigation, communication, aviation physiology, weather and weather services. This course satisfies the prerequisite for Flight School 1-2.

CENTER FOR MULTIMEDIA COMMUNICATIONS

Courses in the Multimedia Communications Magnet are cumulative. This means that each semester must be successfully completed before a student may enroll in the next semester. If One-semester is failed, the student must repeat and successfully complete that semester before he/she can advance to the next level.

GENERAL ELECTIVES

MULTIMEDIA COMMUNICATIONS SURVEY 1-2

1000130-1000140

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

Survey of Multimedia Communication with primary focus on Journalism through a variety of media which includes: Radio, Television, Social Media, Print and Electronic.

MULTIMEDIA COMMUNICATION 1-2: PRINT JOURNALISM

6792000-6793000

Two-semester course, grade level 10, 11, 12
Prerequisite: Career and Technology Exploration 1 recommended

In Multimedia Communications 1-2 Print Journalism, students will learn to locate and utilize appropriate information sources, practice and perfect interviewing skills, review current news industry trends, import and edit text, and create both print and web-based pages using the four basic elements of a story. Students will contribute news, entertainment and sports stories for both print and web versions of the *Southwinds* student newspaper. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a national and state career and technical student organization.

MULTIMEDIA COMMUNICATION 3-4:

INTERMEDIATE PRINT JOURNALISM

6794000-6795000

Two-semester course, grade level 11, 12
Prerequisite: Successful completion of Multimedia Communication 1-2 Print Journalism

In Multimedia Communications 3-4 Intermediate Print Journalism students will differentiate between reporting and opinion. They will learn good design elements and the processes behind generating story topics. They will create feature style writing and profiles, as well as personal reporter's web pages on which to publish their work. They will contribute news, sports, and entertainment articles for both the print and web versions of the *Southwinds* student newspaper. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a national and state career and technical student organization.

MULTIMEDIA COMMUNICATION INTERNSHIP:

ADVANCED PRINT JOURNALISM

6790000-6791000

Two-semester course, grade level 12
Prerequisite: Successful completion of Multimedia Communication 3-4 Intermediate Print Journalism

In Multimedia Communications 5-6 Advanced Print Journalism students will practice investigative and entertainment reporting skills. They will determine the importance of understanding libel and copyright laws and the use of censorship. Students will contribute news, entertainment and sports stories for both print and web versions of the *Southwinds* student newspaper. Students will actively collaborate with industry professional and investigate and pursue multimedia careers. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in SkillsUSA, a national and state career and technical student organization.

MULTIMEDIA COMMUNICATION:

MUSIC AND AUDIO PRODUCTION 1-2

1100310-1100320

Two-semester course, grade level 9, 10
Prerequisite: Career and Technology Exploration 1 recommended

MULTIMEDIA COMMUNICATION:

MUSIC AND AUDIO PRODUCTION 3-4

1100330-1100340

Two-semester course, grade level 10, 11, 12
Prerequisite: Successful completion of Music and Audio Production 1-2

The Music and Audio Production instructional program prepares students to apply technical knowledge and skills to the production of sound recordings as either finished products or as components of traditional or emerging music productions, film and video productions, live sound productions, broadcasts, video game productions, or mixed media productions. Music and Audio Production students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organization, SkillsUSA. The Music and Audio Production instructional program prepares students for entry-level employment, further training, and/or post-secondary education.

MULTIMEDIA COMMUNICATION:

VIDEO BROADCAST JOURNALISM 1-2

6802000-6803000

Two-semester course, grade level 10, 11, 12
Prerequisite: Career and Technology Exploration 1 recommended

MULTIMEDIA COMMUNICATION:

INTERMEDIATE VIDEO

BROADCAST JOURNALISM 3-4

6804000-6805000

Two-semester course, grade level 11, 12
Prerequisite: Successful completion of Video Broadcast Journalism 1-2

The Video Broadcasting instructional program prepares students to produce digital films and videos (including news broadcasts, commercials and public service announcements, feature films and documentaries, episodic serials, music videos, educational videos, and others) and to work in a variety of on- and off-camera positions within traditional and emerging video production industries. Students also develop leadership, social, civic, and career skills through their participation in the state-recognized Career and Technical Student Organization Skills USA or FBLA (Future Business Leaders of America). The Video Broadcasting instructional program prepares students for entry-level employment, further training, and/or post-secondary education.

**MULTIMEDIA COMMUNICATIONS
INTERNSHIP 1-2****1100290-1100300**

Two-semester course, grade level 12

Prerequisite: Successful completion of Music and Audio Production 1-2 and 3-4 or concurrent enrollment in Music and Audio Production 3-4.

Must be at least 16 year of age.

This course is a coordinated work-based learning program, which provides students authentic work experience in the Multimedia Communications environment. This course allows the student to participate in a structured work environment off-campus and involves the application of technical skills gained in earlier Multimedia Communications Program classes. This paid or unpaid internship helps the students to practice and improve employability skills in the Multimedia Communications environment. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

**TECHNOLOGY AND PERSONAL
DEVELOPMENT 1-2****220410-2200420**

Two-semester course, grade level 10

Prerequisite: None

Science, Technology, Engineering and Math (STEM) expertise is in high demand today because the jobs offer financial security, and the ideas produced in STEM industries hold promise for solving today's problems. At the same time, there is a distinct need for project-based and problem-oriented learning that incorporates innovative hands-on, participatory, and interdisciplinary approaches to more effectively engage students from different socioeconomic backgrounds, learning styles, and professional aspirations. Additionally, with today's global society, the need for students to graduate with global perspectives, marketable STEM skills, and an appreciation for diversity is all the more pressing.

**CENTER FOR
LAW-RELATED STUDIES****PROGRAM EMPHASIS:**

Students enrolling in the Center for Law-Related Studies will develop an understanding and appreciation of the role of law in society and the role of the citizen as an active participant in the democratic process. The curriculum emphasizes the development of basic skills, the exploration of professional career opportunities and academic preparation for higher education.

GENERAL ELECTIVES**AMERICAN LEGAL SYSTEM 1-2 H****0460150-0460160**

Two-semester course, grade level 9, 12

Prerequisite: None

This course is designed for students enrolled in the Law-Related Studies Program at South Mountain High School. American Legal System provides practical information about our legal system and an overview of several areas of United States law. Students have many opportunities to discuss legal issues and problem solve questions. The curriculum includes case studies, review of statutes and constitutional law, role plays, small group exercises, and opinion polls. Optimal use will be made of community resources from a variety of law-related agencies. Students enrolled in this course will obtain Honors credit upon completion with passing a grade.

BUSINESS AND THE LAW 1-2 H**0460250-0460260**

Two-semester course, grade level 9, 12

Prerequisite: Instructor Approval or American Legal Systems

This course is designed for the students who want to have a better understanding of the legal system and what effect laws have on our society. An individual's rights and responsibilities under the law are emphasized as well as an understanding and respect of the law as it applies to the individual, to business and to society. Students enrolled in this course will obtain Honors credit upon completion with passing a grade.

**CIVIL RIGHTS AND
CIVIL LIBERTIES 1-2****0400290-0400300****CIVIL RIGHTS AND
CIVIL LIBERTIES 3-4****0400310-0400320**

Two-semester course, grade level 9, 12

This class will focus on Civil Rights and Liberties are affected and protected in the United States. Students will learn how the law protects and limits their civil rights and liberties as guaranteed under the United State Constitution. Students in the class will participate in We The People competitions. This course will develop written, comprehension and oral advocacy skills.

CRIMINALISTICS 1-2**5247003-5248003**

Two-semester course, grade level 11, 12

Prerequisite: American Legal System 1-2, Biology 1-2, Chemistry 1-2 or taking concurrently

Criminalistics is designed for students who are enrolled in the Center for Law-Related Studies at South Mountain High School. This lab-intensive course pursues a more in-depth study of human anatomy and physiology emphasizing forensic science and police science as concerned with the legal system and will be interdisciplinary within the Law Magnet.

CRIMINALISTICS 1-2 H**1500070-1500080**

Two-semester course, grade level 10, 11, 12

Prerequisite: American Legal System 1-2, Biology 1-2, Chemistry 1-2 or taking concurrently

Criminalistics is designed for Law Related Studies at South Mountain High School. The lab intensive course will develop an understanding of various types of crime scene investigations using a more in-depth study of human anatomy and physiology emphasizing forensic science and police science as concerned with the legal system and will be interdisciplinary with the Law Magnet.

ECONOMICS AND THE LAW**0400030**

One-semester course, grade level 12

Prerequisite: None

This course is an introduction to the foundations and methods of economics. Economics is the study of how people choose to use their limited resources to produce, exchange, and consume goods and services and how these scarce resources are allocated among competing ends. The course will examine the characteristics of different economic systems, the essential component of private property in a free-market environment, the role of government in the economy of the United States and the effects of international trade and development on our lives. In addition, the Law Magnet course will focus on the impact that law has on economic systems and decisions. The course is based on the national and Arizona State Social Studies Standards for Economics. This course fulfills the Economics requirement for Graduation.

ECONOMICS AND THE LAW H**0460010**

One-semester course, grade level 12

Prerequisite: Instructor Approval

Encompassing the objectives of the regular Economics course, Economics Honors is designed for Honors students and will provide the students with an in-depth analysis of economics systems and will provide students with a fundamental understanding of economic concepts, micro-economics, and macroeconomics. In addition, this Law Magnet course will focus on the impact that law has on economic systems and decisions. The course is based on the national and Arizona State Social Studies Standards for Economics. This course fulfills the Economics requirement for Graduation.

**GOVERNMENT AND THE LAW
GOVERNMENT AND THE LAW H****0400010
0460090**One-semester course, grade level 12
Prerequisite: None

This course deals with national and state governments and describes how groups in our country give power to political institutions to make binding decisions for the good of society. The course analyzes civic life, politics and the basic forms of government; what the basic foundations of the American political system constitute; how government established by a constitution embodies the purposes, values and principles of American democracy. America's role in the world with other nations and the matters of world affairs are discussed. The concepts explored in this course will continue to prepare and empower students to make choices as responsible participants in society. This course will offer students the opportunity to examine and implement moot court arguments before a panel of judges. Students will build upon legal foundations that were covered in prior Law Magnet coursework. The course is based on the Arizona State Social Studies Standards for Civics/Government. This course fulfills the Government requirement for Graduation.

LAW & PUBLIC SERVICE PRACTICUM 1 4981003One-semester course, grade level 12
Prerequisite: American Legal System 1-2
Preferred: Mediation/Legal Ethics and Behavior 1

The Law Practicum is a one-semester course that combines on-site work/training experience with classroom instruction to better prepare our law-related students to work in a legal environment and meet the demands of the workplace. Students will be placed in the public or private sector for a minimum number of five hours per week.

LEGAL ETHICS AND BEHAVIOR 4733003One-semester course, grade level 9, 12
Prerequisite: None

This course is designed for, but not limited to, students enrolled in the Center for Law-Related Studies. Its major emphasis will be the study of, and need for, ethical litigation, judicial ethics and others. In addition, students will be instructed in the proper etiquette in a variety of business and social settings. Students enrolled in this course will obtain Honors credit upon completion with passing a grade.

LITERATURE AND THE LAW 1-2 H 0460290-0460300Two-semester course, grade level 9, 12
Prerequisite: Instructor Approval or American Legal Systems

Students will be assigned one law novel per quarter. As students progress through each novel, they will be assigned the role of characters within the novel. Students will research historical norms and precedence, law knowledge, and critical thinking to create a mock trial case in the classroom. Students will then complete the novel to discover if they reached the same conclusion as found in the story's case. Students enrolled in this course will obtain Honors credit upon completion with passing a grade.

MEDIATION 4983003One-semester course, grade level 9, 12
Prerequisite: None

This social studies elective credit course is designed to meet the escalation needs of a diverse society. The course will develop in students Alternative Dispute Resolution methods, personal problem solving skills and conflict management techniques. A major goal of the course is to develop highly skilled peer mediators. Students will be trained as peer mediators and mediate disputes at South Mountain High School as part of this course. Students enrolled in this course will obtain Honors credit upon completion with passing a grade.

**SOCIAL JUSTICE AND CIVIC
RESPONSIBILITY 1-2****0400250-0400260****SOCIAL JUSTICE AND CIVIC
RESPONSIBILITY 3-4****0400270-0400280**

Two-semester course, grade level 9, 12

This class will focus on social justice issues and civic responsibility development. Students will learn about domestic and international issues. The class will include the development of civic responsibility for students. Students will have the opportunity to complete in Model United Nations competitions. This course will develop written, comprehension and oral advocacy skills.

**TEEN COURT AND
PEER MEDIATIONS 1-2****0400330-0400340****TEEN COURT AND
PEER MEDIATIONS 3-4****0440350-0440360**

Two-semester course, grade level 9, 12

This class will focus on restorative justice programs within the school including Peer Mediation and Teen Court. Students will serve as peer mediators with South Mountain High Schools peer mediation program. Students will also run Teen Court/ Teen Jury both with South Mountain and local school districts discipline program, in addition to mentoring local teen courts and serving as a Maricopa County Juvenile Teen Court. This course will develop written, comprehension and oral advocacy skills.

**THE SUPREME COURT 1-2
THE SUPREME COURT 3-4****0400210-0400220
0400230-0400240**

Two-semester course, grade level 9, 12

Students will focus on how the Supreme Court makes decisions and the process of oral argument that attorneys use in appellate courts to argue Constitutional issues before the Court. Class will focus on the rights guaranteed in the first 10 amendments to the United State Constitution. Students in the class will participate in Moot Court Competitions. This course will develop written, comprehension and oral advocacy skills.

TRIAL PROCEDURES 1-2 H**0460170-0460180**Two-semester course, grade level 9, 12
Prerequisite: None

Trial Procedures is a two-semester course designed for 10th grade students enrolled in the Center for Law-Related Studies who are interested in learning trial procedures. All components of civil and criminal trial procedures will be studied. The course will make extensive uses of legal community resource persons. Students enrolled in this course will obtain Honors credit upon completion with a passing grade.

TRIAL PROCEDURES 3-4 H**0460190-0460200**Two-semester course, grade level 9, 12
Prerequisite: Trial Procedures 1-2

This is an advanced mock trial class designed for students who intend to compete in mock trial competition. This class is the second portion of the Trial Procedures class. In this class, students will continue to develop advocacy skills in a real courtroom setting. Through mock trial cases, both civil and criminal, students will further develop their skills in all aspects of preparing for and conducting trials. Courtroom demeanor, including the importance of using dramatic techniques to persuade and influence the triers of fact, will also be discussed and demonstrated. Students enrolled in this course will obtain Honors credit upon completion with passing a grade.

TRIAL PROCEDURES 5-6 H**0460210-0460220**

Two-semester course, grade level 9, 12
Prerequisite: Trial Procedures 3-4

Advanced Trial Procedures 5-6 is a third year study of trial technique and procedures class designed for students who intend to compete in mock trial competition. In this class, students will continue to develop advocacy skills by implementing opening statements, closing statements, direct examinations and Arizona Rules of Evidence in a real courtroom setting. All students in Advanced Trial Procedures 5-6 are required to compete in the regional mock trial competition. This class will further develop theory and theme in preparing and conducting trials. Students will practice and implement dramatic techniques to persuade and influence the triers of fact. Students enrolled in this course will obtain Honors credit upon completion with passing a grade.

TRIAL PROCEDURES 7-8 H**0460230-0460240**

Two-semester course, grade level 9, 12

This course is intended for students who have already completed Trial Procedures 3-4 and 5-6 and intent to compete in the mock trial competition. In this class, students will continue to develop advocacy skills by implementing opening statements, closing arguments, direct examinations, cross examinations and the Arizona Rules of Evidence in a real courtroom setting. This class will further develop theory and theme in preparing and conducting trials.

SOCIAL STUDIES ELECTIVES

**US / ARIZONA HISTORY
& THE LAW 1-2****5863003-5864003**

Two-semester course, grade level 11
Prerequisite: None

This course fulfills the US/AZ History graduation requirement

This course is a study of the American people from the Colonial period to the present through an examination of their law and its development. The use of mock trials, oral arguments, congressional debates, written briefs and case studies will aid students in appreciation of our American heritage and the laws which have formed it.

**US / ARIZONA HISTORY
& THE LAW 1-2 H****5863600-5864600**

Two-semester block course, grade level 11

Prerequisite: Instructor approval

This course fulfills the US/AZ Govt graduation requirement

This course provides the honors student with an opportunity for an in-depth investigation of the factors and forces which have shaped America. This course is a study of the American people from the Colonial period to the present through an examination of their laws and development. Research is expected of students enrolled in this course. Literature resources are used to promote higher level learning experiences by requiring the students to utilize courtroom procedures in order to place the literature theories, characters, and motives on trial. The use of mock trials, research, oral arguments, congressional debates, written briefs and case studies will aid students in requiring higher level thinking skills and appreciation of US/AZ History and laws. This course is designed to provide students the opportunity to read extensively and to analyze historical laws and literature that support historical developments.

WORLD HISTORY & THE LAW 1-2**5861003-5862003**

Two-semester block course, grade level 10

Prerequisite: None

This course fulfills the US/AZ Govt graduation requirement

This course is designed to provide students with the skills and knowledge to understand major concepts, characteristics, legal aspects, research, events and people of history. The course will include an overview of Western civilizations and early law developments from 1700 B.C.-399 B.C., world law developments of 1500-present, trade and business laws in civilizations and major war overviews from 1914-present. Laws based upon economic and political developments, geographic concepts, law belief systems and cultural contributions to law are integrated into the curriculum. The outline provided is based on the Arizona State Social Studies Standards.

WORLD HISTORY & THE LAW 1-2 H**5861600-5862600**

Two-semester block course, grade level 11

Prerequisite: Instructor approval

This course fulfills the US/AZ Govt graduation requirement

This course is designed to provide students with the skills and knowledge to understand major concepts, characteristics, legal aspects, research, events and people of history. The World History and The Law 1-2 Honors course provides the student with an opportunity to do an in-depth study of the economic, social, political and diplomatic aspects of world civilizations from the 1500's to the present. Literature resources are used to promote higher level learning experiences by requiring the students to utilize courtroom procedures in order to place the literature theories, characters and motives on trial. The use of mock trials, research, oral arguments, debates, written briefs and case studies will aid students in requiring higher level thinking skills and appreciation of World History and laws. This course is designed to provide students the opportunity to read extensively and to analyze historical laws and literature that support historical developments.

CENTER FOR PERFORMING ARTS

PROGRAM EMPHASIS:

Students enrolled in the Center for the Performing Arts bring with them commitment, desire and determination: key ingredients needed whether they choose to pursue Dance or Theater or Music. Unparalleled learning situations are provided through use of state of the art equipment, nationally and internationally recognized artists as guest teachers, field trips and community performances.

PERFORMING ARTS

ACTING: AUDITIONS 1-2**7131000-7132000**

Two-semester course, two-hour magnet, grade level 10, 11, 12

Prerequisite: Foundations in Theatre or Instructor Approval

Students will prepare for college and real world auditions by practicing skills in cold reads, monologue preparation, musical auditions, and on-camera interviews. Students will develop and maintain a theatrical resume and personal statement for college and scholarship applications. Students will have the opportunity to have a professional headshot taken and maintain a portfolio of their work.

ACTING: CLASSICAL 1-2

7133000-7134000

Two-semester course, two-hour magnet, grade level 11, 12
Prerequisite: Intermediate Acting: Realism and Intermediate Acting: Contemporary or Instructor approval

Students will study the playwrights and acting techniques of the early periods in theatre history: Greek, Elizabethan, Restoration, and works from non-western cultures. This advanced acting class will focus on scene study and portrayals of a wide variety of characters from Classical Dramatic literature.

ADVANCED ACTING: REALISM 1-2

7141000-7142000

Two-semester course, two-hour magnet, grade level 11, 12
Prerequisite: Intermediate Acting: Realism

Students will study the playwrights and acting techniques of the modern age of Realism, from Stanislavsky and Chekov in the late 1800s, to current playwrights being produced on Broadway today. This class will focus on scene study and realistic portrayals of a wide variety of characters from Modern Dramatic literature.

DRAMA III – PERFORMANCE AND CAREER EXPLORATION

0500510-0500520

Two-semester course, two-hour magnet, grade level 11, 12
Prerequisite: Intermediate Acting: Contemporary or Instructor approval

Students will study the playwrights and acting techniques of the Contemporary era, including works of Absurdism, presentationalism, Brechtian theatre, movement theatre, and other current acting styles. This class will focus on scene study and imaginative portrayals of a wide variety of characters from Contemporary Dramatic literature.

CONSERVATORY DANCE BEGINNING

0500010-0500020

Two-semester course, two-hour magnet course, grade level 9, 10, 11, 12
Prerequisite: None

This is a beginning level course for students interested in an intensive dance workout, with an interest in a dance career. Studies emphasize ballet and modern dance technique, jazz and tap dance technique, improvisation and composition, and include terminology, career opportunities, dance history, production, performance, anatomy, fitness and nutrition. Guest artists, field trips and performance experiences are included in the curriculum.

CONSERVATORY DANCE INTERMEDIATE

0500030-0500040

Two-semester, two-hour magnet course; grade level 9, 10, 11, 12
Prerequisite: Dance Level I and Audition and/or Instructor approval

This course provides for the continuing progress of students who have had previous dance training and have an interest in college dance programs or a dance career. Studies will include ballet and modern dance technique and terminology, improvisation and choreography, jazz and tap dance technique and terminology, career opportunities, dance history, production, performance, anatomy, fitness and nutrition. Guest artists, field trips and performance experiences are included in the curriculum.

CONSERVATORY DANCE ADVANCED 1-2

0500050-0500060

Two-semester course, two-hour magnet, grade level 10, 11, 12
Prerequisite: Dance Level II and Audition and/or Instructor approval

This course is designed to meet the needs of students who have achieved an intermediate level of skill and have an interest in dance and college careers. Technique studies will include Modern, Ballet, Tap, Jazz and optional technique units. Lab studies will include Choreography, Improvisation, Dance Production, Dance History, Anatomy and optional lab units. A portion of this class will be experiences with various guest artists as well as field trips. Performance opportunities will be made available.

CONSERVATORY DANCE COMPANY 1-2 H

0560010-0560020

Two-semester course, two-hour magnet, grade level 10, 11, 12
Prerequisite: Dance Level III and Audition and/or Instructor approval

This course is designed to meet the needs of students who have achieved an advanced level of skill and have an interest in dance and college careers. Technique studies will include Modern, Ballet, Tap, Jazz and optional technique units. A portion of this class will be experiences with various guest artists as well as field trips and travel. The students in this course become members of the South Mountain Center for the Arts Dance Company. Lab consists of Choreography, Repertory, Touring, Dance History and Portfolio Production.

DRAMA I –

FOUNDATIONS IN THEATRE 1-2

0500470-0500480

Two-semester course, two-hour magnet, grade level 9, 10, 11, 12
Prerequisite: None

The purpose of this year-long course is to give the student an appreciation of and experience in theatre as an art form. The student will act in pantomimes, plays and play cuttings. Students will be introduced to technical theatre, theatre history and culture. The student will read, write and evaluate plays as well as view and discuss electronic and live performances.

DRAMA LEVEL II: PERFORMANCE TECHNIQUES & PLAY STUDY 1-2

5425003-5426003

Two-semester course, two-hour magnet, grade level 10, 11, 12
Prerequisite: Drama Level I or Instructor approval

The purpose of this year-long, repeatable course is to give the student an increased appreciation of and additional experience in theatre as an art form. The student will act, direct, or be technically involved in scenes, one-act plays and full length productions. They will read, write and evaluate plays as well as view and critique electronic and live performances. History, culture and technology will be examined and career opportunities will be explored. Through creating theatre, students will grow in their ability to comprehend the world and to communicate with others.

DRAMA LEVEL III:

ACTING STYLES & TECHNIQUES 1-2

5427003-5428003

Two-semester course, two-hour magnet, grade level 10, 11, 12
Prerequisite: Drama Level II or Instructor approval

This year-long course will focus on developing a variety of acting styles, in various theatrical genres, while exploring the techniques and philosophies of master acting teachers such as Stanislavsky, Meisner, Grotowsky, etc. Students will be involved in every aspect of theatrical production for several performances during the year. Curriculum will emphasize collaboration in performance, self-evaluation and integration of interdisciplinary art forms.

DRAMA IV H:

REPERTORY THEATRE 1-2

0560330-0560340

Two-semester course, two-hour magnet, grade level 11, 12
Prerequisite: Drama Level III and audition/interview

Students will have the opportunity to study their craft among peers and the professional guest artists who share their same disciplines. The major goal of the class will be to gain experience in all aspects of theatre while producing quality theatrical performances for the school and community.

DRAMA LEVEL IV:

REPERTORY THEATRE 3-4 H

5429603-5430603

Two-semester course, two-hour magnet, grade level 11, 12
Prerequisite: Drama Level III and audition/interview

Students will have the opportunity to study their craft among peers and the professional guest artists who share their same disciplines. The major goal of the class will be to gain experience in all aspects of theatre while producing quality theatrical performances for the school and community.

**CONTEMPORARY
MUSIC LEVEL I 1-2****5491003-5492003**

Two-semester course, two-hour magnet, grade level 9, 10, 11
Prerequisite: None

This course is required for all entering Magnet Music students. It is designed to provide a strong foundation in basic music skills, with an emphasis on learning to read music. Students will receive instruction in theory, piano, guitar and string ensembles. Concurrent enrollment in either Band or Choir is strongly recommended. One public performance per semester will be required.

**CONTEMPORARY
MUSIC LEVEL II 1-2****5493003-5494003**

Two-semester course, two-hour magnet, grade level 10, 11, 12
Prerequisite: Music Level I or instructor approval

This course is designed to meet the needs of the intermediate level music students, building on concepts learned in Level I. All students will participate in the jazz ensemble and at least one other class ensemble (auditions required). This course includes several public performances. Concurrent enrollment in either Band or Choir is strongly recommended. Participation in the Solo & Ensemble Festival/Regional Audition is encouraged.

**CONTEMPORARY
MUSIC LEVEL III 1-2****5495003-5496003**

Two-semester course, two-hour magnet, grade level 11, 12
Prerequisite: Music Level II

This course is designed to meet the needs of the college bound music student. Advanced music theory and the basics of composition will be taught. "Hands on" experience in our state-of-the-art recording studio will be available. Private instruction on each student's instrument of choice will be provided. All students will participate in a jazz ensemble and at least one other class ensemble (auditions required). This course includes several public performances and concurrent enrollment in either Band or Choir is strongly recommended. Participation in Solo & Ensemble Festival/Regional Audition is expected.

**CONTEMPORARY
MUSIC LEVEL IV-H 1-2****5497603-5498603**

Two-semester course, two-hour magnet, grade level 12
Prerequisite: Music Level III

This course is designed to meet the needs of students preparing for a career in the music industry. Advanced composition and arranging will be taught. Students will learn to record, mix and edit in our state-of-the-art recording studio. Private instruction on each student's instrument of choice will be provided. All students will participate in a jazz ensemble and at least one other class ensemble (auditions required). This course includes several public performances including festival competitions. Concurrent enrollment in either Band or Choir is expected. Participation in Solo & Ensemble Festival/Regional Audition is required.

DRAMA II – ACTING STYLES 1-2**0500490-0500500**

Two-semester course, two-hour magnet, grade level 10, 11
Prerequisite: Foundations in Theatre or Instructor approval

Students will study the playwrights and acting techniques of the Contemporary era, including works of Absurdism, presentationalism, Brechtian theatre, movement theatre, and other current acting styles. This class will focus on scene study and imaginative portrayals of a wide variety of characters from Contemporary Dramatic literature.

**INTERMEDIATE
ACTING REALISM 1-2****7139000-7140000**

Two-semester course, two-hour magnet, grade level 11, 12
Prerequisite: Drama Magnet students, 10, 11

Students will study the playwrights and acting techniques of the modern age of Realism, from Stanislavsky and Chekov in the late 1800s, to current playwrights being produced on Broadway today. This class will focus on scene study and realistic portrayals of a wide variety of characters from Modern Dramatic literature.

MUSICAL THEATRE 1-2**5489003-5490003**

Two-semester course, two-hour magnet, grade level 9, 10, 11, 12
Prerequisite: None

This interdisciplinary course will combine elements of dance, music and theatre to give the student experience performing in the Musical Theatre genre. Students will read, watch and perform a variety of musicals from the 20th and 21st centuries. They will learn basic dance and acting skills as they are used by musical theatre performers. There is an emphasis on reading music and singing with correct diction, posture, breathing and tone, in large groups, small ensembles, duets and solos. Every student will participate in public performances each semester. This course may be repeated for credit.

MUSICAL THEATRE 3-4**6400000-6401000**

Two-semester course, two-hour magnet, grade level 10, 11, 12
Prerequisite: Musical Theatre 1-2 or Instructor approval

This course is a continuation of the skills learned in introductory Performing Arts classes. Students will work to improve their singing voice, acting abilities and dance skills while performing the Musical Theatre genre.

MUSICAL THEATRE 5-6**6402000-6403000**

Two-semester course, two-hour magnet, grade level 11, 12
Prerequisite: Musical Theatre 3-4 or Instructor approval

This course is a continuation of the skills learned in the 3-4 class. Students will work to improve their singing voice, acting abilities and dance skills while performing the Musical Theatre genre.

STAGE CRAFT 1-2**0500410-0500420**

Two-semester course, two-hour magnet, grade level 11, 12
Prerequisite: Drama Level III and audition/interview

Students will gain hands-on experience in every aspect of technical theatre and backstage support for all types of performances and productions, including set building, props, costumes, lighting, make-up, and sound. Students will explore job opportunities in the theatrical field including stage management, design, running crew, and front-of-house staff. Students will work with state-of-the-art equipment such as a digital sound board, computerized lighting system, intelligent lights, and various computer programs.

STAGE CRAFT 3-4**0500430-0500440**

Two-semester course, two-hour magnet, grade level 11, 12
Prerequisite: Foundations in Theatre or Instructor Approval

Students will gain hands-on experience in every aspect of technical theatre and backstage support for all types of performances and productions, including set building, props, costumes, lighting, make-up, and sound. Students will explore job opportunities in the theatrical field including stage management, design, running crew, and front-of-house staff. Students will work with state-of-the-art equipment such as a digital sound board, computerized lighting system, intelligent lights, and various computer programs.

STAGE CRAFT 5-6**0500450-0500460**

Two-semester course, two-hour magnet, grade level 11, 12
Prerequisite: Foundations in Theatre or Instructor Approval

Students will gain hands-on experience in every aspect of technical theatre and backstage support for all types of performances and productions, including set building, props, costumes, lighting, make-up, and sound. Students will explore job opportunities in the theatrical field including stage management, design, running crew, and front-of-house staff. Students will work with state-of-the-art equipment such as a digital sound board, computerized lighting system, intelligent lights, and various computer programs.

CENTER FOR VISUAL ARTS

PROGRAM EMPHASIS:

Students enrolled in the Center for Visual Arts are encouraged to be creative. Here they are given the opportunity to express these creative thoughts and feelings with a sense of pride. They are provided with all the tools and supplies necessary to develop their own personal style in ceramics, computer art, drawing/painting, jewelry/fiber arts, humanities (general art), photography and sculpture.

VISUAL ART

ART CAREERS & GALLERY MANAGEMENT 1-2

4081003-4082003

Two-semester course, grade level 10, 11, 12
Prerequisite: None

Working with the South Mountain Visual Arts Magnet Art Gallery as a laboratory, students will learn to catalog works, set up displays, hang exhibitions, gallery housekeeping and conduct exhibition tours. In the classroom setting, a study of art vocations will be explored. The development of student awareness concerning scholastic achievements and professional skills will be stressed.

ART FOUNDATIONS 1-2

7149000

Two-semester course, grade level 9, 10, 11, 12
Prerequisite: None

This course is the foundation course for all students enrolled in the Visual Arts Magnet. Students will develop basic skills in drawing, painting, sculpting, photography while learning about major artists and art periods throughout history. In addition, students will develop skills in using of the elements of art and principles of design in their own artwork and for critiquing works of art. Emphasis will be on art making, art history, and developing visual literacy in art.

PORTFOLIO: CERAMIC ARTS 1-2 H **7152000-7153000**

Two-semester course, grade level 11, 12
Prerequisite: Visual Arts Magnet students concentrating in the Ceramic Arts for their POS.

This course is for the student who wishes to specialize in the field of ceramics as a professional artist, sculptor or production potter. Advanced study in all areas of the ceramic arts including: clay and glaze production, manufacturing techniques, artist's studio visits, and creating art for retail business. Students will focus on developing a personal aesthetic, continued improvement in craftsmanship and the study of contemporary ceramics as a fine art. Development of professional-level portfolios for college acceptance and post-secondary opportunities will be emphasized. Dual enrollment for community college credit is offered.

PORTFOLIO: CERAMIC ARTS 3-4 H **7154000-7155000**

Two-semester course, grade level 12
Prerequisite: Portfolio: Ceramic Arts 1-2 or Instructor Approval

This course is for the student who wishes to specialize in the field of ceramics as a professional artist, sculptor or production potter. Advanced study in all areas of the ceramic arts including: clay and glaze production, manufacturing techniques, artist's studio visits, and creating art for retail business. Students will focus on developing a personal aesthetic, continued improvement in craftsmanship and the study of contemporary ceramics as a fine art. Development of professional-level portfolios for college acceptance and post-secondary opportunities will be emphasized. Dual enrollment for community college credit is offered.

DIGITAL ART EXPLORATIONS

7151000

One-semester course, grade level 10, 11, 12
Prerequisite: Art Foundations or Instructor Approval

This is an exploratory course in digital art production and art-related technology practices for all students enrolled in the Visual Arts Magnet. Students will learn how to use imaging technology, digital art making tools, printing technologies and web-based tools. Emphasis will be on capturing and creating digital images, creating digital artworks, and producing a digital portfolio.

PORTFOLIO: DIGITAL ARTS AND ANIMATION 1-2 H

7156000-7157000

One-semester course, grade level 11, 12
Prerequisite: Studio: Digital Arts & Animation 1-2 or Instructor Approval

This course is an advanced study of digital art, animation, and interactive tools. Emphasis will be placed on developing expertise in the use of digital tools for the creation of art. It will provide an opportunity to research and develop digital artwork using emerging technologies. Emphasis will be given to idea generation, digital processes, development of tool skills and safety. It will provide students the opportunity to research and produce a variety of work that will be included in the breadth section of a college-level portfolio.

PORTFOLIO: DIGITAL ARTS AND ANIMATION 3-4 H

7158000-7159000

One-semester course, grade level 11, 12
Prerequisite: Portfolio: Digital Arts & Animation 1-2 or Instructor Approval

This course continues advanced study of digital art, animation and interactive tools. Emphasis will be placed on developing expertise in the use of digital tools for the creation of art. It will provide continued opportunity to research and develop digital artwork using emerging technologies. Emphasis will be given to idea generation, digital processes, development of tool skills and safety. It will provide students the opportunity to research and produce a variety of work that will be included in the breadth section of a college-level portfolio.

PORTFOLIO: DRAWING, PAINTING AND PRINTMAKING 1-2 H

7160000-7161000

One-semester course, grade level 11, 12
Prerequisite: Studio: Drawing, Painting and Printmaking 3-4 or Instructor Approval

This course accentuates advance drawing, painting and printmaking skills using traditional and contemporary techniques and concepts. It will emphasize on the understanding of formal language and the fundamentals of artistic self-expression. Students will develop and learn major drawing, painting, and printmaking techniques, styles, and movements in historical through studio projects, field trips and museum visits. Development of professional-level portfolios for college acceptance and post-secondary opportunities will be emphasized. Dual enrollment for community college credit is offered.

PORTFOLIO: DRAWING, PAINTING AND PRINTMAKING 3-4 H

7162000-7163000

One-semester course, grade level 11, 12
Prerequisite: Portfolio: Drawing, Painting and Printmaking 1-2 or Instructor Approval

This course provides students additional emphasis on advance drawing, painting and printmaking skills using traditional and contemporary techniques and concepts. It will emphasize on the understanding of formal language and the fundamentals of artistic self-expression. Students will develop and learn major drawing, painting, and printmaking techniques, styles, and movements in historical through studio projects, field trips and museum visits. Development of professional-level portfolios for college acceptance and post-secondary opportunities will be emphasized. Dual enrollment for community college credit is offered.

**PORTFOLIO:
PHOTOGRAPHIC PROCESSES 1-2 H 7168000-7169000**

Two-semester course, grade level 11, 12

Prerequisite: Studio: Photographic Processes 3-4 or Instructor Approval

Designed for the photography student preparing for college study, this course emphasizes self expression through film-based photography, alternative non-silver, studio lighting and digital technology. Field trips and visiting artists will expose students to contemporary art and photographic history. Students will prepare their work for exhibition and be expected to maintain a sequenced portfolio of their best work. Large format photography will be introduced. Dual enrollment for community college credit is offered.

**PORTFOLIO:
PHOTOGRAPHIC PROCESSES 3-4 H 7170000-7171000**

Two-semester course, grade level 11, 12

Prerequisite: Portfolio: Photographic Processes 1-2 H or Instructor Approval

Students will continue to develop skills in traditional film-based photography, alternative non-silver, studio lighting and digital technology. Field trips and visiting artists will expose students to contemporary art and photographic history. Students will prepare their work for exhibition and be expected to maintain a sequenced portfolio of their best work. Large format photography will be introduced. Dual enrollment for community college credit is offered.

**STUDIO: CERAMIC ARTS 1-2
0560290-0560300**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: Studio: Art Foundations or Instructor Approval

This is a foundation course that will introduce students to creating functional and non-functional, three-dimensional (3D) work using clay and other ceramic materials. It will provide an opportunity for creative expression in a variety of ceramics materials, surface decoration, and building processes. Emphasis will be given to idea generation, developing personal aesthetics, craftsmanship, and the development of tool skills and safety. Students will research and produce a variety of work that will be included in the breadth section of a college-level portfolio.

STUDIO: CERAMIC ARTS 3-4 H 05600310-0560320

Two-semester course, grade level 10, 11, 12

Prerequisite: Studio: Ceramic Arts 1-2 or Instructor Approval

This is an intermediate course that will provide students additional opportunities to develop skills in creating functional and non-functional, three-dimensional (3D) work using clay and other ceramic materials. It will provide an opportunity for creative expression in a variety of ceramics materials, surface decoration, and building processes. Emphasis will be given to idea generation, developing personal aesthetics, craftsmanship, and the development of tool skills and safety. Students will research and produce a variety of work that will be included in the breadth section of a college-level portfolio.

**STUDIO: DIGITAL ARTS
AND ANIMATION 1-2 0560250-0560260**

Two-semester course, grade level 9, 10, 11, 12

Prerequisite: Instructor Approval

This is a foundation course that will introduce students to fundamental concepts of digital media, design, and animation. Students will explore digital art making tools and technologies to create images, video, animations and interactive art. It will provide an opportunity for students to explore and create digital artwork using emerging technologies. Emphasis will be given to idea generation, digital processes, development of tool skills and safety. It will provide students the opportunity to research and produce a variety of work that will be included in the breadth section of a college-level portfolio.

**STUDIO: DIGITAL ARTS
AND ANIMATION 3-4 H 0560270-0560280**

Two-semester course, grade level 10, 11, 12

Prerequisite: Studio: Digital Arts and Animation 1-2 or Instructor Approval

This is an intermediate course that will provide students additional opportunities to develop skills in digital media, design, and animation. Students will continue to develop digital art making tools and technologies to create images, video, animations and interactive art. Emphasis will be given to idea generation, digital processes, development of tool skills and safety. It will provide students the opportunity to research and produce a variety of work that will be included in the breadth section of a college-level portfolio.

**STUDIO: DRAWING, PAINTING,
PRINTMAKING 1-2 H 0560210-0560220**

Two-semester course, grade level 10, 11, 12

Prerequisite: Art Foundations or Instructor Approval

This is a foundation course that will introduce students to drawing, painting and printmaking using traditional and contemporary techniques, materials and concepts. Students will develop an understanding of visual language and the fundamentals of artistic self-expression. It will provide an opportunity for creative expression in a variety of mark-making materials, surface treatment, and processes. Emphasis will be given to idea generation, developing personal aesthetics, craftsmanship, and the development of tool skills and safety. Students will research and produce a variety of work that will be included in the breadth section of a college-level portfolio.

**STUDIO: DRAWING, PAINTING,
PRINTMAKING 3-4 H 0560230-0560240**

Two-semester course, grade level 11, 12

Prerequisite: Studio: Drawing, Painting, and Printmaking 1-2 or Instructor Approval

This is an intermediate course that will introduce students to drawing, painting and printmaking. Students will broaden their understanding of drawing, painting and printmaking techniques and processes. Emphasis will be given to idea generation, developing personal aesthetics, craftsmanship, and the development of tool skills and safety. Students will research and produce a variety of work that will be included in the breadth section of a college-level portfolio.

**STUDIO: JEWELRY & FIBER
ARTS 1-2 H 0560170-0560180**

Two-semester course, grade level 11, 12

Prerequisite: Art Foundations or Instructor Approval

This is an introductory course in design and production of functional and nonfunctional items using materials and techniques found in jewelry and fiber arts. Applied surface design techniques will be explored. Students will also explore contemporary design techniques, digital modeling and 3D manufacturing. Emphasis will be given to idea generation, developing personal aesthetics, craftsmanship, and the development of tool skills and safety. Students will research and produce a variety of work that will be included in the breadth section of a college-level portfolio.

**STUDIO: JEWELRY & FIBER
ARTS 3-4 H 0560190-0560200**

Two-semester course, grade level 10, 11, 12

Prerequisite: Studio Jewelry & Fiber Arts 1-2 or Instructor Approval

This is an intermediate course that will provide students additional opportunities to develop skills in design and the production of functional and nonfunctional items using materials and techniques creating mixed-media works of art. Emphasis will be given to idea generation, developing personal aesthetics, craftsmanship, and the development of tool skills and safety. Students will research and produce a variety of work that will be included in the breadth section of a college-level portfolio.

**STUDIO: PHOTOGRAPHIC
PROCESSES 1-2****0560130-0560140**Two-semester course, grade level 10, 11, 12
Prerequisite: Instructor Approval

This is a foundation course that will introduce students to basic camera operation, film and paper processing, alternative photographic processes, printing and digital imaging technologies. It will provide an opportunity for creative expression in content, processing and printing of photographic images. Emphasis will be given to idea generation, developing personal aesthetics, craftsmanship, and the development of tool skills and safety. Students will research and produce a variety of work that will be included in the breadth section of a college-level portfolio.

**STUDIO: PHOTOGRAPHIC
PROCESSES 3-4 H****0560150-0560160**Two-semester course, grade level 11, 12
Prerequisite: Studio: Photographic Processes 1-2 or Instructor Approval

This is an intermediate course that will provide students additional opportunities to develop skills in camera operation, film and paper processing, alternative photographic processes, printing and digital imaging technologies. It will provide an opportunity for creative expression in content, processing and printing of photographic images. Emphasis will be given to idea generation, developing personal aesthetics, craftsmanship, and the development of tool skills and safety. Students will research and produce a variety of work that will be included in the breadth section of a college-level portfolio.

**STUDIO: SCULPTURE & 3D
ARTS 1-2 H****0560370-0560380**Two-semester course, grade level 11, 12
Prerequisite: Studio: Art Foundations or Instructor Approval

This is a foundation course that will introduce students to creating three-dimensional (3D) work using contemporary sculpting processes. It will provide an opportunity for creative expression in a variety of materials and processes including: paper, clay, wood, stone, plastic, and metal fabrication. Emphasis will be given to idea generation, developing personal aesthetics, craftsmanship, and the development of tool skills and safety. Students will research and produce a variety of work that will be included in the breadth section of a college-level portfolio.

**STUDIO: SCULPTURE & 3D
ARTS 3-4 H****0560110-0560120**Two-semester course, grade level 10, 11, 12
Prerequisite: Studio: Sculpture and 3D Arts 1-2 or Instructor Approval

This is an intermediate course that will provide students additional opportunities to develop skills in creating three-dimensional (3D) work using contemporary and digital sculpting processes. Student selection of tools, processes, materials and individual expression will be encouraged. Emphasis will be given to idea generation, developing personal aesthetics, craftsmanship and the development of tool skills. Students will research and produce a variety of work that will be included in the breadth section of a college-level portfolio.

FAMILY AND CONSUMER SCIENCES**COSTUME DESIGN AND
CONSTRUCTION 1-2****4735003-4736003**

Two-semester course, grade level 10, 11, 12

This course will help students develop the skills to design and construct a costume. They will also gain an understanding of the historical silhouette of costume design and become exposed to the various careers in costuming.

**CAREER AND TECHNICAL
EDUCATION (CTE)****AUTOMOTIVE TECHNOLOGIES 1-2 5035000-5036000**Two-semester course, grade level 10, 11
\$20.00 Fee Per Semester
Prerequisite: Career & Technology Exploration 1 recommended**AUTOMOTIVE TECHNOLOGIES 3-4 5037000-5038000**Two-semester course, grade level 10, 11, 12
\$20.00 Fee Per Semester
Prerequisite: Successful completion of Auto Technologies 1-2**AUTO TECHNOLOGIES 5-6 5039000-5040000**Two-semester course, grade level 11, 12
\$20.00 Fee Per Semester
Prerequisite: Successful completion of Auto Technologies 3-4

The Automotive Technologies program prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. The Automotive Technologies includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension, and steering, automatic and manual transmissions and drive trains, and heating and air condition systems. The Automotive Technologies instructional program prepares students for entry-level employment, further training, and/or post-secondary education. Automotive Technologies students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA.

AUTO TECHNOLOGY INTERNSHIP 1-2**5041000-5042000**Two-semester course, grade level 12
Prerequisite: Successful completion of Auto Technology 1-2 and 3-4 and currently enrolled in Auto Technology 5-6 or 3-4 if program blocked
Must be 16 years of age.

This course is a coordinated work-based learning program which provides students authentic work experience in Auto Technology. This course allows the student to participate in a structured work environment off campus and involves the application of technical skills gained in earlier Auto Technology Program classes. This paid or unpaid internship helps the student to practice and improve employability skills in the automotive industry. Appropriate internship placement is secured with the assistance of the teacher. Students will be required to comply with industry-specific regulations.

MATH APPLICATIONS IN AUTO TECHNOLOGY 3-4**0200170-0200180**Two-semester course, grade level 12
Prerequisite: Passing grade in Algebra 3-4 or Algebra 3-4 H or equivalent, or Instructor recommendation. Successful completion of Auto Technology 1-2.

This course provides students instruction on how mathematical analysis can be used in the final course of the Transportation / Auto Technology program. Students develop, demonstrate, and communicate mathematical concepts that relate to algebraic functions, geometry, measurement, proportional reasoning, and statistics. Students gain real world experience by working on customer vehicles. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Skills USA, a state and national career and technical student organization. This course is aligned with the Arizona Mathematics Standards and fulfills the fourth mathematics credit needed for graduation.

NURSING ASSISTANT 1-2**1400150-1400160**Two-semester course, grade level 11, 12
Prerequisite: CTE 1 – recommended, passed English 1, 2, 3, Biology 1: Algebra 1 and 2.75 GPA or higher with instructor approval.
Pre-screening required

This course prepares students for employment in the health care industry as Certified Nursing Assistants. They will also be prepared to move forward to a post-secondary institution and complete a nursing degree.

NURSING ASSISTANT 3-4

1400170-1400180

Two-semester course, grade level 12

Prerequisite: Passed Nursing assistant 1-2 and instructor approval

This course prepares students for employment in the health care industry as Nursing Assistants. Students will master nursing assistant health care core competencies covering the following areas: medical terminology, oral and written communication, nursing assistant skills, employability, legal and ethical responsibilities, safety and teamwork. The program is approved by the Arizona State Board of Nursing and students completing the program may obtain a state certificate. Community college dual enrollment credit will be offered. Students gain valuable leadership and employment skills and receive opportunities for scholarships and community involvement by participating in Health Occupations Students of America (HOSA), a state and national career and technical student organization.

BIOTECHNOLOGY 1-2

1400190-1400200

BIOTECHNOLOGY 3-4

1400210-1400220

Two-semester course, grade level 10, 11, 12

Prerequisite: Biology 1-2 for CTE Bioscience Forensics 1-2 and recommended CTE 1, and CTE Bioscience Forensics 1-2 for CTE Bioscience Forensics 3-4

The Biotechnology program prepares students to apply scientific principles and technical skills in support of biologists and biotechnologists in research, industrial and government settings. Includes instruction in fermentation technology, cell culturing, protein purification, biologic synthesis, assaying and testing, quality control, industrial microbiology, bioprocessing, chromatography and bio separation, genetic technology, laboratory and hazardous materials safety, and computer applications and test equipment operation and maintenance. The program is designed and delivered as a coherent sequence of experiences using technical instruction, academic foundations, experiential learning, supervised occupational experience and leadership and personal development through the Career & technical Student Organization, Health Occupations Students of America (HOSA).

GENERAL ELECTIVES

EMERGING TECHNOLOGIES 1-2

2100370-2100380

Two-semester course, grade level 9, 10

Prerequisite: None

Emerging technologies is a survey course designed to introduce students to several areas and interests related to emerging and novel technologies. During the year-long course, students will first learn about the history, social impacts, and ethics of these technologies. They will then move into the hands-on "building phase" with technologies in the realms of their choice. They will be exposed to social media, virtual reality, augmented reality and the use of these technologies in health sciences and biotechnology. Students will work in small teams and utilize interdisciplinary intersections of the four academies at South Mountain. The course concludes with sharing collaborative created work and constructive critiquing of this works by peers. This phase will teach students about iterative testing, re-editing, and how to give and take feedback.

INTRODUCTION TO MEDICAL ARTS 1-2

2000490-2000500

Two-semester course, grade level 9, 10

Prerequisite: None

This is the introductory course in that provides students with the basics of anatomy, physiology and health- related field. Students are exposed to variety of medical and health careers. The course focuses on reading and on oral and written communication skills necessary for success in the future. Students that complete the full year will meet the PXU Health graduation requirement.

PHOENIX UNION-WILSON

College Prep

3005 E. Fillmore St.
Phoenix, AZ 85008
www.PXU.org/Wilson



Phoenix Union-Wilson College Prep is built upon the foundation of the highly successful AVID (Advancement Via Individual Determination) College Readiness System that Phoenix Union, Wilson Elementary and many other partner districts have incorporated into their curricula. Wilson Elementary has earned distinction as an AVID National Demonstration School, an exemplary model in implementing AVID Elementary strategies schoolwide. Phoenix Union implemented AVID strategies for eight years in most of its comprehensive schools, and now, this high school will be the first of its kind designed to provide AVID Secondary College Readiness to ALL students, with the goal of 100% of its students attending college.

AVID is a college readiness system designed to provide students in the academic middle – B, C and even D students – who have the desire to go to college and the willingness to work hard, with structure and support, access to rigorous curriculum and preparation for entrance into a four-year university. Typically, AVID students will be the first in their families to attend college, and many are from lower-income or minority families. AVID has a proven track record in bringing out the best in students, and in closing the achievement gap.

Through the AVID system and a committed team of trained AVID educators, all students will attain the skills and knowledge necessary to successfully enter a four-year university, persist through rigorous college course work and earn a college degree.

GENERAL ELECTIVES

WILSON COLLEGE PREP INTERNSHIP 1-2

2200710-2200720

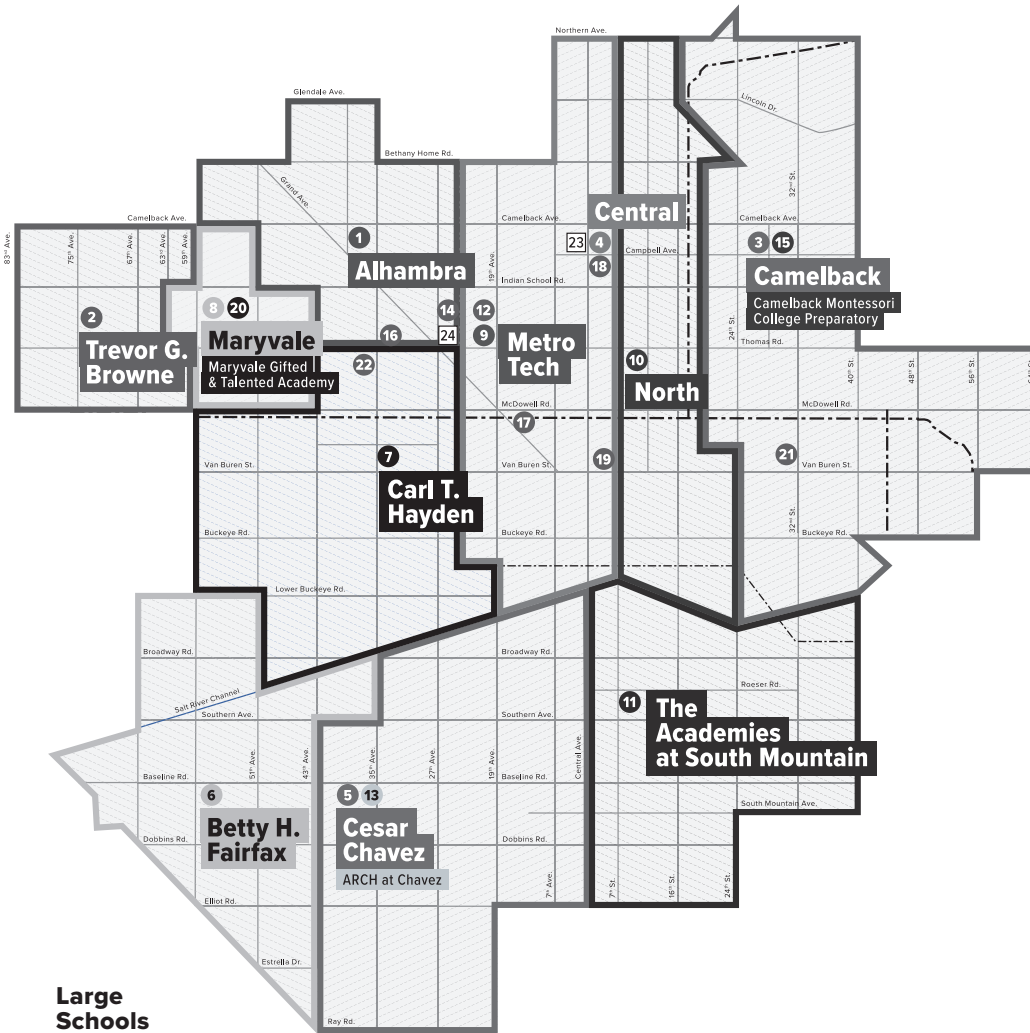
Two-semester course, grade level 9, 10, 11, 12

Prerequisite: None

APPENDIX

BOUNDARIES OF THE PHOENIX UNION HIGH SCHOOL DISTRICT

PXU Boundary Map



Large Schools

1. **Alhambra High School**
3839 W. Camelback Rd.
Phoenix, AZ 85019
Phone: 602.764.6002
PXU.org/Alhambra
2. **Trevor G. Browne High School**
7402 W. Catalina Dr.
Phoenix, AZ 85033
Phone: 602.764.8516
PXU.org/Browne
3. **Camelback High School**
4612 N. 28th St.
Phoenix, AZ 85016
Phone: 602.764.7001
PXU.org/Camelback
4. **Central High School**
4525 N. Central Ave.
Phoenix, AZ 85012
Phone: 602.764.7502
PXU.org/Central
5. **Cesar Chavez High School**
3921 W. Baseline Rd.
Laveen, AZ 85339
Phone: 602.764.4010
PXU.org/Chavez
6. **Betty H. Fairfax High School**
8225 S. 59th Ave.
Laveen, AZ 85339
Phone: 602.764.9000
PXU.org/Fairfax

7. **Carl Hayden Community High School**
3333 W. Roosevelt
Phoenix, AZ 85009
Phone: 602.764.3035
PXU.org/Hayden
8. **Maryvale High School**
3415 N. 59th Ave.
Phoenix, AZ 85033
Phone: 602.764.2009
PXU.org/Maryvale
9. **Metro Tech High School**
1900 W. Thomas Rd.
Phoenix, AZ 85015
Phone: 602.764.8008
PXU.org/MetroTech
10. **North High School**
1101 E. Thomas Rd.
Phoenix, AZ 85014
Phone: 602.764.6511
PXU.org/North
11. **The Academies at South Mountain**
5401 S. 7th St.
Phoenix, AZ 85040
Phone: 602.764.5001
PXU.org/TheAcademies

Small Schools

12. **Linda Abril Educational Academy**
3000 N. 19th Ave.
Phoenix, AZ 85015
Phone: 602.764.0050
PXU.org/Abril
13. **Advanced Readiness at Chavez High (ARCH)**
3921 W. Baseline Rd.
Laveen, AZ 85339
Phone: 602.764.4010
PXU.org/ARCH
14. **Bostrom High School**
3535 N. 27th Ave.
Phoenix, AZ 85017
Phone: 602.764.1700
PXU.org/Bostrom
15. **Camelback Montessori College Preparatory**
4612 N. 28th St.
Phoenix, AZ 85016
Phone: 602.764.7001
CamelbackMontessori.org
16. **Desiderata**
2920 N. 34th Dr.
Phoenix, AZ 85017
Phone: 602.764.0800
PXU.org/Desiderata

17. **Franklin Police & Fire High School**
1645 W. McDowell Rd.
Phoenix, AZ 85007
Phone: 602.764.0200
PXU.org/Franklin

18. **Phoenix Coding Academy**
4445 N. Central Ave.
Phoenix, AZ 85012
Phone: 602.764.5700
PXU.org/Coding

19. **Phoenix Union Bioscience High School**
512 E. Pierce St.
Phoenix, AZ 85004
Phone: 602.764.5600
PXU.org/Bioscience

20. **Maryvale Gifted & Talented Academy**
3415 N. 59th Ave.
Phoenix, AZ 85033
Phone: 602.764.2009
PXU.org/GandT

21. **Phoenix Union Wilson College Prep**
3005 E. Fillmore
Phoenix, AZ 85008
Phone: 602.764.9600
PXU.org/Wilson

22. **PXU Digital Academy**
3701 W. Thomas Rd.
Phoenix, AZ 85019
Phone: 602.764.0860
PXU.org/PXUDigitalAcademy

Support Facilities

23. **Center for Educational Excellence**
4502 N. Central Ave.
Phoenix, AZ 85012
Phone: 602.764.1100
24. **District Support Facility**
2526 W. Osborn Rd.
Phoenix, AZ 85017
Phone: 602.764.1600

ATTENDANCE ZONES

All incoming freshman may apply for open enrollment.

Please see page II for more details or visit www.PXU.org/Enroll

ALHAMBRA HIGH SCHOOL

East on Glendale Avenue from 47th Avenue to 35th Avenue, South on 35th Avenue to Bethany Home Road, east on Bethany Home Road to the Black Canyon Freeway, south on the Black Canyon Freeway to Thomas Road, west on Thomas Road to 43rd Avenue, north on 43rd Avenue to Indian School Road, west on Indian School Road to 51st Avenue, north on 51st Avenue to Camelback Road. west on Camelback Road to 59th Avenue, north on 59th Avenue to Bethany Home Road, east on Bethany Home Road to 47th Avenue, north on 47th Avenue to Glendale Avenue.

TREVOR G. BROWNE HIGH SCHOOL

East on Camelback Road from 83rd Avenue to 59th Avenue, south on 59th Avenue to Indian School Road, west on Indian School Road to 63rd Avenue, south on 63rd Avenue to Thomas Road, east on Thomas Road to 59th Avenue, south on 59th Avenue to McDowell Road, west on McDowell Road to 83rd Avenue, north on 83rd Avenue to Camelback Road.

CAMELBACK HIGH SCHOOL

Northeast on Northern Avenue from 16th Street to Dreamy Draw Drive, south on Dreamy Draw Drive to the Southern Section line of Section 34 (Pleasant Drive, due east from this point along an imaginary line to 40th Street, south on 40th Street to Thomas Road, east on Thomas Road to 64th Street, south on 64th Street to Van Buren Street, west on Van Buren Street to 56th Street, south on 56th Street to Buckeye Road, west on Buckeye Road to 40th Street, South on 40th Street to the Salt River Channel, west on the Salt River Channel to 24th Street, North on 24th Street to Roosevelt, west on Roosevelt to 20th Street, north on 20th Street to Bethany Home Road, east on Bethany Home Road to the Arizona Canal, northwest along the Arizona Canal to Glendale Avenue, west on Glendale Avenue to 16th Street, north on 16th Street to Northern Avenue.

CESAR CHAVEZ HIGH SCHOOL

East on Southern Avenue from 43rd Avenue to 35th Avenue, north on 35th Avenue to the Salt River Channel, northeast along the Salt River Channel to Central Avenue, south on Central Avenue to Elliot Road, west on Elliot Road to 19th Avenue, south on 19th Avenue to Ray Road, west on Ray Road to 43rd Avenue, north on 43rd Avenue to Southern Avenue.

CENTRAL HIGH SCHOOL

East on Northern Avenue from 7th Avenue to 7th Street, south on 7th Street to the Salt River Channel, west along the Salt River Channel to 19th Avenue, north on 19th Avenue to the Black Canyon Highway, north on the Black Canyon Highway to Bethany Home Road, east on Bethany Home Road to 7th Avenue, north on 7th Avenue to Northern Avenue.

BETTY H. FAIRFAX HIGH SCHOOL

Northeast along the Salt River Channel from the imaginary point of the intersect of 83rd Avenue and the Salt River Channel to 67th Avenue, north on 67th Avenue to Lower Buckeye Road, east on Lower Buckeye Road to 51st Avenue, south on 51st Avenue to the Salt River Channel, east along the Salt River Channel to 35th Avenue, south on 35th Avenue to Southern Avenue, west on Southern Avenue to 43rd Avenue, south on 43rd Avenue to Ray Road, west on Ray Road to the boundary of the Gila River Indian Reservation, northeast along the boundary of the Gila River Indian Reservation to the imaginary point of the intersect of 83rd Avenue and the Salt River Channel.

CARL HAYDEN COMMUNITY HIGH SCHOOL

East on Thomas Road from 43rd Avenue to the Black Canyon Freeway, south on the Black Canyon Freeway to 19th Avenue, south on 19th Avenue to the Salt River Channel, west on the Salt River Channel to 51st Avenue, north on 51st Avenue to Lower Buckeye Road, west on Lower Buckeye Road to 59th Avenue, north on 59th Avenue to McDowell Road, east on McDowell Road to 43rd Avenue, north on 43rd Avenue to Thomas Road.

MARYVALE HIGH SCHOOL

East on Camelback Road from 59th Avenue to 51st Avenue, south on 51st Avenue to Indian School Road, east on Indian School Road to 43rd Avenue, south on 43rd Avenue to McDowell Road, west on McDowell Road to 59th Avenue, north on 59th Avenue to Thomas Road, west on Thomas Road to 63rd Avenue, north on 63rd Avenue to Indian School Road, east on Indian School Road to 59th Avenue, north on 59th Avenue to Camelback Road.

METRO TECH HIGH SCHOOL

No specific boundaries. Any student living within the PXU boundaries may attend Metro Tech, a magnet high school.

NORTH HIGH SCHOOL

East on Northern Avenue from 7th Street to 15th Street, continue due east to 16th Street, south on 16th Street to Glendale Avenue, east on Glendale Avenue to the Arizona Canal, southeast along the Arizona Canal to Bethany Home Road, west on Bethany Home Road to 20th Street, south on 20th Street to Roosevelt, east on Roosevelt to 24th Street, south on 24th Street to the Salt River Channel, west along the Salt River Channel to 7th Street, north on 7th Street to Northern Avenue.

THE ACADEMIES AT SOUTH MOUNTAIN

East along the Salt River Channel from Central Avenue to 40th street, south on 40th Street to South Mountain Avenue, west on South Mountain Avenue to 24th Street, south on 24th Street to Dobbins Road, west on Dobbins Road to 16th Street, South on 16th Street to Elliot Road, west on Elliot Road to Central Avenue, north on Central Avenue to the Salt River Channel.

COMMUNITY COLLEGE / UNIVERSITY ENTRANCE REQUIREMENTS

The requirements for community college, college/university entrance differ with the various colleges/universities. Students, therefore, are urged to be aware of the entrance requirements of the college/university they plan to attend upon graduation from high school. This information may be obtained directly from the college/university the student has in mind, from the high school career center, or from the student's counselor. See below for a detailed explanation of state university entrance requirements in Arizona.

NOTE: ACT or SAT examination may be required for admission, and/or placement to the state universities. The ASSET test is required for placement in English, Reading and Math in a Maricopa County community college.

ARIZONA STATE UNIVERSITY, NORTHERN ARIZONA UNIVERSITY, AND UNIVERSITY OF ARIZONA ENTRANCE REQUIREMENTS

1998 BOARD OF REGENTS ACADEMIC COMPETENCY REQUIREMENTS

ENGLISH (Grammar, Composition, Literary Analysis)

4 years/units

Note: Courses such as journalism, business communications, speech and any others not devoted exclusively to the study of English may not be substituted for an English course.

MATHEMATICS

4 years/units

Algebra I, II; geometry; any advanced math course for which Algebra II is a prerequisite — pre-calculus, calculus, analytical geometry

LABORATORY SCIENCE (Biology, Chemistry, Physics, Earth and Space Science)

3 years/units

One unit in at least three of the four areas is recommended, although an advanced level (AP or honors) course in a subject area completed previously can be used for a third unit.

SOCIAL STUDIES

2 years/units

One year/unit of history (including at least one course in American history) and one year/unit of an additional social science such as geography, government, psychology, anthropology, European or world history, economics or sociology.

WORLD LANGUAGES (Including American Sign Language)

2 years/units

Two units of the same foreign language; a third year is recommended.

FINE ARTS

One year/unit in fine arts or any combination of Two-semesters of fine art courses.

MEETING ACADEMIC COMPETENCY REQUIREMENTS

Note: Students must earn a cumulative grade-point average of 2.0 (on a 4.0 scale) in each subject area to meet the academic competency requirements. A lower grade-point average is equal to one deficiency. Beginning in summer/fall 1996, deficiencies in both math and lab science will not be acceptable.

IF STUDENTS NEED TO FULFILL 1 UNIT IN ONE OR TWO DIFFERENT SUBJECT AREAS (EXCEPT MATH AND SCIENCE):

Course work may be completed during the first year at the university or through summer school or a community college. Additional course work required by a college major is not considered part of the Board of Regents' requirements for admission and may either be completed before enrollment or during the student's first year.

Remember: Students must complete all course work requirements within one calendar year of their first enrollment or they will not be permitted to register for subsequent terms. Beginning in 1998, admission will be based on the grade-point average of the 16-unit Arizona Board Of Education requirements, not the entire curriculum.

Student & Family Portfolio

Name _____ Class of _____

Student Number _____ Counselor _____

ECAP

PXU Graduation Requirements

English	4.0 Credits
Social Sciences	3.0 Credits
Math	4.0 Credits
Science	3.0 Credits
Health	0.5 Credit
Career & Tech	
Education or	
Fine/Performing Arts	1.0 Credit
Electives	6.5 Credits

Total Credits 22.0 Credits ** (minimum)

Arizona University Requirements for Assured Admission

English	4.0 Credits
Social Sciences	2.0 Credits
Math	4.0 Credits
Science	3.0 Credits
Fine/Performing Arts	1.0 Credit
World Language	2.0 Credits
	in same language

* at least 2.0 GPA in each area

* Check www.asu.edu, www.nau.edu, and www.arizona.edu for specific requirements and other relevant information

My personal goals for the four years I am in high school: _____

My ECAP

Write down the names of the classes you are taking or will take.
Then record your grade in each class at the end of each semester.

Student Signature _____

Parent/Guardian Signature _____

Freshman Classes			Sophomore Classes			Junior Classes			Senior Classes		
	1 st Sem.	2 nd Sem.		1 st Sem.	2 nd Sem.		1 st Sem.	2 nd Sem.		1 st Sem.	2 nd Sem.
English			English			English			English		
Math			Math			Math			Math (2013+)		
Phys. Sci.			Biology			Science (2013+)			Elective		
Health/Elec.			World H/G			US History			AG/Econ		
Elective			Elective			Elective			Elective		
Elective			Elective			Elective			Elective		
Credit Earned			Credit Earned			Credit Earned			Credit Earned		
GPA			GPA			GPA			GPA		
Rank			Rank			Rank			Rank		

A College-Preparatory Plan Might Look Like This:

Freshman Classes	Sophomore Classes	Junior Classes	Senior Classes
English 1-2 (H)	English 3-4 (H)	English 5-6 (H) (AP)	English 7-8 (H) (AP)
Algebra 1-2 (H)	Geometry 1-2 (H)	Algebra 3-4 (H)	Pre-Calculus/Calculus/AP
Physical Science 1-2 (H)	Biology 1-2 (H)	3 rd Year Lab Science (H)	4 th Year Lab Science (H)
Health/Elective	World H/G 1-2 (H) (AP)	US History 1-2 (H) (AP)	AmerGovt/Econ (H) (AP)
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective

Suggested Electives for the College-Bound Student that Increase Chances of Earning a 4-Year College Degree:

- **A Full Schedule for Four Years**
- **Advanced Placement Classes**
- **Honors Classes**
- **Seminar for the Gifted**
- World Language (at least 2 years, preferably more, including AP classes)
- Classes that Improve Technological Skills
- Fine or Performing Arts Classes
- Classes that Increase Leadership and/or Workplace Skills, Such as JROTC, Metro Tech, Internships, Work Experience Programs such as COE
- Classes that Match Your Interests and Career Plans:
 - If you wish to be an athletic coach, then take PE classes, PEOPEL, Anatomy and Physiology for Electives.
 - If you wish to become an astronomer, then make sure to take Earth and Space Science and all the math you can.
 - If you wish to become a cosmetologist, then make sure your attendance and grades are superb, so that when the selection process occurs at Metro Tech, you will have a good chance of being chosen.

After High School I Plan To:

Use [XELLO](#) as a workbook and resource:
Information plus worksheets to compare colleges, their costs, and checklists to keep on track.

Year 1:	Begin Apprenticeship/CC Classes/Military	Attend a Community College	Attend a University
Year 2:	Continue Apprenticeship/CC Classes/Military	Attend a Community College or Transfer to Univ.	Attend a University
Year 3:	Continue Apprenticeship/CC Classes/Military	Transfer to a University	Attend a University
Years 4/5:	Complete Apprenticeship + Become Journeyman, CC/University Classes/Military	Graduate from a University with a Bachelor's Degree	Graduate from a University with a Bachelor's Degree
Year 5:	Advanced Training or Employment	Employment or Master's Degree Studies / Law School, Medical School	Employment or Master's Degree Studies / Law School / Medical School

ECAP: Student and Family Educational Career Action Plan

My Assessment Information

	XELLO	PLAN	AP Exams	ASVAB	Pre ACT	ACT	SAT	ACCUPLACER
Dates								
Results/ Scores	(True Colors: _____) Reality Check: _____ Interest Profiler: _____ Values; Work Imp. Loc: _____ Occupation Sort: _____ Undergrade School Sort: _____ Financial Aid Sort: _____	(True Colors: _____) Reality Check: _____ Interest Inventory: _____ Work Values Sorter: _____ Career Finder: _____ College Finder: _____ Scholarship Finder: _____	E: _____ M: _____ R: _____ S: _____	_____	_____	E: _____ COMP: _____ E: _____ M: _____ R: _____ S: _____ (W): _____	COMP: _____ R: _____ M: _____ W: _____	R: _____ E: _____ M: _____

My Career Goals: Use the XELLO to Build and Maintain your Resumé

Freshman Year	Sophomore Year	Junior Year	Senior Year

Entry Level or Beginning Job Opportunities for My Chosen Career Areas	Careers that Require More Training or Education	How Much Education Do I need for my Career Goals?
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.
5.	5.	5.

Where and How Can I Learn to Practice the Careers I Have Chosen:

College/University/Apprenticeship Program/Level of Military: _____ Admission Requirements: _____

College/University/Apprenticeship Program/Level of Military: _____ Admission Requirements: _____

College/University/Apprenticeship Program/Level of Military: _____ Admission Requirements: _____

How Can I Pay for My Education After High School?

- Federal Financial Aid (FAFSA): Grants, College Work-Study
- Scholarships: Based on Financial Need and/or Merit and/or Other Issues
- Loans: Always the Last Resort, but There if Needed

Websites with Financial Aid Resources:

- www.azdis.intocareers.org
- www.access.bridges.com
- www.collegeboard.com or www.act.org

You can get username and password information from your counselor.

!
DO NOT RESPOND TO SCAMS!
BRING ANYTHING
QUESTIONABLE TO YOUR
COUNSELOR!

ECAP: Student and Family Educations Career Action Plan

My Extra-Curricular Activities

	Name of Organization/Employer	Address and Phone Number	Supervisor's Full Name	Job Duties/Services	Dates/Year
Volunteer/ Community Service/ Service Learning					
Extra-Curricular Activities: Sports, Clubs, Performing Arts, Etc.					
Employment History/ Internships/ Externships					

The above experiences provided me with the opportunity to learn the following leadership skills:

The above experiences provided me with the opportunity to learn the following about myself:

My Academic Achievements and Awards

Award	Why I Received This Award	Date

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