

# Academic Planning Guide

## 2015-2016



**Tolleson Union High School District #214**

9801 W. Van Buren Street

Tolleson, AZ 85353

Telephone: (623) 478-4000

Website: [www.tuhsd.org](http://www.tuhsd.org)



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## **GOVERNING BOARD**

Mr. Steven Chapman

Mr. Devin Del Palacio

Ms. Corina Madruga

Mr. Vincent Moreno

Mr. Freddie Villalon

## **DISTRICT ADMINISTRATION**

Lexi Cunningham, Ed.D. .... Superintendent

John Speer ..... Assistant Superintendent for Teaching and Learning

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## **MESA DIRECTIVA**

Mr. Steven Chapman

Mr. Devin Del Palacio

Ms. Corina Madruga

Mr. Vincent Moreno

Mr. Freddie Villalon

## **ADMINISTRACIÓN DEL DISTRITO**

Lexi Cunningham, Ed.D. ....Superintendente

John Speer ..... Asistente de Superintendente de Enseñanza y Aprendizaje

## INTRODUCTION

Tolleson Union High School District is located in the southwestern part of the greater Phoenix metropolitan area. The District is comprised of students residing in the city of Tolleson as well as parts of Phoenix, Glendale and Avondale. Five elementary school districts surrounding the Tolleson Union High School District provide students for our high schools.

Enrollment figures indicate that there were approximately 11,779 students enrolled during the 2014-2015 school year. The District has six high schools: Tolleson Union, Westview, La Joya Community, Copper Canyon, Sierra Linda, and University High plus two alternative education programs, Continuing Education Academy and Lighthouse Academy.

## CHILD FIND NOTICE

The Tolleson Union High School District is responsible for identifying, locating, and evaluating all children with disabilities eligible for high school through 21 years and for referring children from birth through two (2) years of age to Arizona Early Intervention Program. Children from three (3) years to 13 or 14 years of age will be referred to the elementary school district in which the student resides for evaluation and appropriate services.

The Tolleson Union High School District is looking for any student who may need specialized instruction or specialized equipment. For all students new to the District, a teacher will complete screening activities within 45 calendar days of enrollment. The teacher and counselor will look at the student's ability in the areas of academics, vision, hearing, adaptive, communication, social/emotional and motor skills. If any concerns are noted, the student may be referred for additional help.

If you are aware of a child who may be in need of special education services, please contact the guidance office at your high school.

## NOTIFICATION OF NON-DISCRIMINATION

Tolleson Union High School District does not discriminate on the basis of race, color, national origin, gender, age, or disability in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of their operations. Tolleson Union High School District's Career and Technical Education (CTE) Department does not discriminate in enrollment or access to any of the programs listed in the Career and Technical Education section of this Academic Planning Guide. Tolleson Union High School District also does not discriminate in its hiring or employment practices.

This notice is provided as required by Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. Questions, complaints, or requests for additional information regarding these laws may be forwarded to the designated compliance coordinator, Office of the Superintendent, Tolleson Union High School District, 9801 W. Van Buren, Tolleson, AZ 85353, (623) 478-4000.

## CONCERNS AND COMPLAINTS PROCESS

It is the objective of the Tolleson Union High School District to resolve any concerns or complaints at the lowest level, starting first with the classroom teacher before progressing to the principal, and then on to the administrators at the District Office. The District has comprehensive policies to address public concerns and complaints related to personnel, instructional resources, or facilities and services. More information on these policies and the complaint process can be found through the principal's office at your school and in the policy section KE-Public Concerns in the Governing Board Policy Manual.

The Tolleson Union Governing Board Policy Manual is available in its entirety on the internet at <http://www.tuhsd.org/>. Select *About Us*, select *Governing Board*, select *Arizona School Boards Association*, select *School District Policy Manuals*, click on *Free Public Access*, and choose *Tolleson Union High District #214*.

## INTRODUCCIÓN

El Distrito de Escuelas Secundarias Tolleson se encuentra en la parte suroeste de la zona metropolitana de Phoenix. El distrito está compuesto de estudiantes que residen en la ciudad de Tolleson como en otras partes de las ciudades de Phoenix, Glendale y Avondale. Los cinco distritos de escuelas primarias que rodean al Distrito de Escuelas Secundarias Tolleson proporcionan los estudiantes para nuestras escuelas secundarias.

Las cifras de matrículas indican que hubo aproximadamente 11,779 estudiantes inscritos durante el año escolar 2014-2015. El Distrito tiene cinco escuelas secundarias: Tolleson Union, Westview, La Joya Community, Copper Canyon, Sierra Linda, y University High además de dos programas de educación alternativa, Academia de Educación Continua y Academia Lighthouse.

### NOTIFICACIÓN DE BÚSQUEDA DE NIÑOS

El Distrito de Escuelas Secundarias Tolleson es responsable de la identificación, localización y evaluación de todos los estudiantes con incapacidades, elegibles para el bachillerato hasta los 21 años y, de enviar niños desde su nacimiento hasta los dos (2) años de edad al Programa de Intervención Temprana de Arizona. Se enviarán al distrito de escuela primaria, en el cual reside el estudiante, a los niños de tres (3) años hasta los 13 o 14 años de edad para su evaluación y servicios apropiados.

El Distrito de Escuelas Secundarias de Tolleson está buscando a cualquier estudiante que pueda necesitar enseñanza especializada o equipo especializado. Para todos los estudiantes nuevos al Distrito, el maestro/a completará actividades de investigación dentro de los primeros 45 días a partir del día de matrícula. El maestro/a y el consejero/a observará la habilidad del estudiante en las áreas académicas, de la vista, del oído, de adaptación, comunicación, social/emotiva y de las habilidades motoras. Si se hacen algunas anotaciones que sean motivo de preocupación, el estudiante puede ser remitido para recibir ayuda adicional.

Si usted tiene conocimiento de algún niño que pueda necesitar servicios de educación especial, por favor llame a la oficina de asesoría de su escuela secundaria.

### NOTIFICACIÓN DE NO DISCRIMINACIÓN

El Distrito de Escuelas Secundarias de Tolleson no discrimina en contra de la raza, el color, nacionalidad, género, edad, o incapacidad en la admisión a sus programas, servicios, o actividades, el tener acceso a estos, en el tratamiento de individuos, o en cualquier aspecto de sus operaciones. El Departamento de Carreras y Educación Técnica (CTE) del Distrito de Escuelas Secundarias Tolleson no discrimina en matrículas o acceso a cualquiera de los programas que aparecen en la sección de Carreras y Educación Técnica de este Manual de Planeamiento Académico. El Distrito de Escuelas Secundarias Tolleson tampoco discrimina en sus prácticas de contrato y empleo.

Se proporciona esta notificación como requiere el Título IV del Acta de Derechos Civiles de 1964, Sección 504 del Acta de Rehabilitación de 1973, el Título IX de Enmiendas Educativas de 1972, el Acta de Discriminación de la Edad de 1975, y el Acta de Incapacidad de los Americanos de 1990. Las preguntas, quejas, o peticiones para obtener información adicional sobre estas leyes pueden ser dirigidas al coordinador de conformidad designado, Oficina del Superintendente, Distrito de Escuelas Secundarias Tolleson, 9801 W. Van Buren, Tolleson, AZ 85353, (623) 478-4000.

### PROCESO PARA COMUNICACIÓN DE PREOCUPACIONES Y QUEJAS

Es el objetivo del Distrito de Escuelas Secundarias Tolleson el resolver cualquier preocupación o queja al nivel más bajo, comenzando con el maestro/a de clase antes de progresar hacia el director y luego hacia los administradores de la Oficina del Distrito. El Distrito tiene normas de gran amplitud para hacerse cargo de las preocupaciones del público y de las quejas relacionadas con el personal, de los recursos educativos o de las instalaciones o servicios. Más información sobre esas normas y el proceso de quejas puede conseguirse a través de la oficina del director de su escuela y en la sección de normas KE-Preocupaciones Públicas, en el Manual de Normas de la Mesa Directiva.

El Manual de Normas de la Mesa Directiva del Distrito de Escuelas Secundarias Tolleson completo está disponible en el internet en <http://www.tuhsd.org/>. Escoja *Sobre Nosotros*, escoja *Asociación de Mesas Directivas de Arizona*, escoja *Manuales de Normas de Distritos Escolares*, escoja *Acceso Público Gratis*, y escoja *Distrito de Escuelas Secundarias Tolleson #214*.

## GRADUATION REQUIREMENTS

Each student must successfully complete a minimum of twenty-two (22) credits. Specific requirements by subjects are as follows:

English/ESL	(4.0)	US/AZ History/Geography	(1.0)
Science	(3.0)	World History/Geography	(1.0)
Math	(4.0)	US/AZ Government	(0.5)
Wellness	(1.0)	Fine Arts/CTE	(1.0)
Economics	(0.5)	Electives	(6.0)

**In addition to the credit requirement, students are responsible for meeting Arizona State Board of Education testing requirements, i.e. STATE REGULATED ASSESSMENT and/or PARCC test as well as completing a State required Education Career Action Plan (ECAP).**

## ADDITIONAL REQUIREMENTS

Students in the graduating classes of 2014, 2015 and 2016 are required to take and pass the Reading, Writing and Math AIMS tests in order to graduate. Beginning with their tenth grade year, students have five opportunities to pass the tests prior to the end of their twelfth grade year. Once a student passes a portion of the AIMS with a "meets" or "exceeds" designation, he/she does not have to repeat that test in order to graduate. However, a student who has met proficiency on any portion of the AIMS may take the test again in an attempt to exceed the standards. The highest score will be maintained; thus, there is no penalty if the retake score is lower than the original score.

Students in the graduating classes of 2017 or later will no longer be required to pass a high stakes test in order to graduate and instead will have their performance on course-specific achievement tests incorporated into their course grades throughout their high school careers.

The Board is currently in the process of identifying the new assessments that will be used. Further information will be shared with the field as it becomes available.

## GUIDELINES FOR COMPLETION OF GRADUATION REQUIREMENTS

- Students may elect to return for another semester or school year if requirements are not met for graduation. At the end of four (4) years of course work, a student may pre-register for classes if it is apparent that requirements will not be met.
- A student may take summer school or night classes from an accredited institution.
- A student may enroll at the James E. Green Continuing Education Academy (CEA) if he/she meets eligibility requirements.
- A student may elect to take correspondence classes. Permission from the Guidance Department and school administration must be obtained in order to determine which course(s) can be taken to fulfill graduation requirements.
- Tolleson Union High School District will accept credit(s) for completion of graduation requirements from community college provided dual credit forms are signed by the advisor, college liaison officer, and the administration prior to taking class(es).
- Tolleson Union High School District will award a diploma to a student who completes graduation requirements through correspondence, night school, and summer school or through the Dual Credit Program **ONLY IF** Tolleson Union High School District was the last district attended.
- It is the responsibility of each student to inform the Guidance Department of his/her intention to complete requirements for graduation for purpose of participation in graduation ceremonies, etc.
- Students who desire to graduate in **FEWER THAN FOUR (4) YEARS** must petition the administration at least once semester prior to completing the requirements necessary for graduation.

## REQUISITOS DE GRADUACIÓN

Cada estudiante debe completar un mínimo de veintidós (22) créditos. Los requisitos específicos para las materias son los siguientes:

Ingles/ESL	(4.0)	Historia/Geografía de los EE.UU/AZ	(1.0)
Ciencia	(3.0)	Historia/Geografía Mundial	(1.0)
Matemáticas	(4.0)	Gobierno de los EE.UU/AZ	(0.5)
Salud	(1.0)	Bellas Artes/CTE	(1.0)
Economía	(0.5)	Electivas	(6.0)

Además del requisito de crédito, Los estudiantes son responsables de cumplir con los requisitos de pruebas de la Junta de Educación del Estado de Arizona, es decir, las PRUEBAS ESTATALES REGULADAS y/o la prueba PARCC, así como completar un Plan Estatal de Acción Educativa (ECAP) requerido por el estado.

## REQUISITOS ADICIONALES

Los estudiantes en las clases de graduación de 2014, 2015 y 2016 deben pasar las pruebas AIMS de lectura, escritura y matemáticas para graduarse. Comenzando con el grado diez, los estudiantes tienen cinco oportunidades para pasar los exámenes antes de llegar al final del grado doce. Una vez que el estudiante pasa una porción del AIMS con la designación de "satisfactorio" o "sobresaliente", él/ella no tiene que repetir ese examen para poder graduarse. Sin embargo, un estudiante que haya salido competente en cualquiera de las porciones del AIMS puede tomar el examen otra vez con la intención de exceder los estándares. Debido a que no hay consecuencias, se mantendrá el puntaje más alto si el puntaje en el examen repetido es más bajo que el puntaje obtenido inicialmente.

Los estudiantes en las clases de graduación de 2017 o más adelante ya no serán obligados a pasar un examen de apuestas altas para poder graduarse y en su lugar tendrá sus resultados en las pruebas de rendimiento específicos de cursos incorporados en sus calificaciones de los cursos a lo largo de su carrera de secundaria.

El Consejo está actualmente en el proceso de identificación de las nuevas evaluaciones que se utilizarán. Más información será compartida con el campo a medida que esté disponible.

## PAUTAS PARA COMPLETAR LOS REQUISITOS DE GRADUACIÓN

- Los estudiantes pueden elegir el regresar otro semestre o año escolar si no han cumplido con los requisitos de graduación. Al final de los cuatro años de trabajo en los cursos, un estudiante puede pre-inscribirse para clases si es obvio que no se cumplirá con los requisitos.
- Un estudiante puede tomar clases de verano o nocturnas en una entidad acreditada.
- Un estudiante puede inscribirse en la Academia de Educación Continua de James A. Green (CEA) si él/ella cumple con los requisitos de ilegibilidad.
- Un estudiante puede tomar clases por correspondencia. Debe obtenerse permiso del Departamento de Asesoría y de la administración de la escuela para poder determinar el/los curso(s) que pueden tomarse para cumplir con los requisitos de graduación.
- El Distrito de Escuelas Secundarias Tolleson aceptará créditos universitarios de los colegios para cumplir con los requisitos de graduación, a condición de que las formas de crédito doble sean firmadas por el consejero / a, el oficial de enlace del colegio y la administración antes de tomar la / las clase (s).
- El Distrito de Escuelas Secundarias Tolleson otorgará un diploma al estudiante que haya cumplido con los requisitos de graduación por medio de cursos por correspondencia, escuela nocturna y escuela de verano o a través del Programa de Crédito Doble **SOLO SI** el Distrito de Escuelas Secundarias Tolleson fue el último distrito al que asistió el estudiante.
- Es responsabilidad de cada estudiante el informar al Departamento de Asesoría sobre su intención de completar los requisitos de graduación con el propósito de participar en ceremonias de graduación, etc.
- Los estudiantes que deseen graduarse **EN MENOS DE CUATRO (4) AÑOS** deben presentar una petición a la administración por lo menos un semestre antes de completar los requisitos de graduación.



## **GRADUATION REQUIREMENTS**

### Determining Competency for Graduation Credit

Determination and verification of student accomplishment of subject-area course requirements and/or competencies for graduation credit shall be the responsibility of a subject-area teacher, department chair, and the Assistant Principal of Curriculum, Assessment, and Instruction, and at a minimum, shall be in accordance with the following:

- The student shall have successfully completed the subject area course requirements incorporating the essential skills and competencies from the course of study adopted by the Governing Board in accordance with the District adopted grading system; or
- As an alternative to completing the course requirements, a student may request, upon a showing familiarity with the subject matter of the course, an examination on the competencies of the course. The student may take an examination on a particular course at any prescribed time each academic year. The examination shall be prepared by a teacher of the subject matter who is designated by the Superintendent, or it may be the End of Course Assessment for the specific subject. To receive graduation credit, the student must demonstrate accomplishment of the essential skills and competencies adopted by the State Board of Education and the Governing Board. Demonstration of accomplishment of the skills and competencies shall be determined in accordance with accepted practices in evaluation of students. A copy of the test results, verified by the appointed teacher, shall be filed with the student's records. Students who pass the test will receive a "P" for a passing grade on their transcript, which will be excluded from their GPA, and receive credit for that class. Letter grades are not given for receiving credit for a course through the testing out process.

## **REGISTRATION**

Registration of current eighth grade students for entrance into ninth grade next year will occur during December of the current school year. Ninth, tenth and eleventh grade students will register for the next school year during the first semester of the current school year. Actual registration procedures will be explained by the guidance advisors at each school. All questions about specific course offerings and graduation requirements should be directed to the guidance advisors.

All new enrollees are required to return their Student Information card signed by their parent/guardian prior to enrollment for the current or new school year.

## **READING REQUIREMENT**

At the school's discretion, students reading below grade level may be required to enroll in a reading class.

In addition to Freshman English, students will be provided an elective for literacy support. Students who are more than a year below grade level will be provided more intensive interventions through reading elective classes. See page 45 for course description.

## **REQUISITOS DE GRADUACIÓN**

### Competencias Determinantes del Crédito para Graduación

Determinación y verificación de los logros del estudiante en las materias requeridas y/o competencias para crédito de graduación serán responsabilidad del maestro/a que enseña el material, del jefe del departamento, y del Asistente del Director de Currículo, Instrucción y Evaluación y como mínimo, deberá estar conforme con lo siguiente:

- El estudiante habrá completado con éxito el curso de la materia requerida incorporando las habilidades esenciales y competencias del curso de estudio adoptado por la Mesa Directiva de acuerdo con el sistema de notas adoptado por el Distrito; o
- Como alternativa para completar los requisitos del curso, un estudiante puede solicitar, mostrando conocimiento de la materia del curso, un examen sobre las competencias del curso. El estudiante puede tomar el examen de cualquier curso en particular, en cualquier momento prescrito, durante cada año académico. El examen será preparado por un maestro/a de la materia, quien es designado por el Superintendente, o puede ser la Evaluación de Fin de Curso para la materia específica. Para recibir crédito de graduación, el estudiante deberá demostrar logros en las habilidades esenciales y competencias adoptadas por la Junta Directiva de Educación del Estado y por la Mesa Directiva. La demostración de los logros de las habilidades y competencias será determinada de acuerdo con las prácticas aceptadas para la evaluación de los estudiantes. Una copia de los resultados del examen, verificado por él/la maestro/a designado/a, será archivada en el expediente del estudiante. Los estudiantes que pasen el examen recibirán una "P", que indica una nota aceptada, en su transcripción, la cual se excluirá de su GPA, y recibirá crédito por esa clase. No se dan notas con letras cuando se recibe crédito en un curso por medio del proceso de evaluación de un curso en el cual se ha hecho un examen para obtener crédito.

## **MATRÍCULAS**

La matriculación de los alumnos actuales del octavo grado para la entrada al noveno grado el año que viene tendrá lugar durante el mes de diciembre del año escolar actual. Los alumnos de los grados nueve, diez y once, se matricularán para el próximo año escolar durante el primer semestre del año actual. Los procedimientos actuales de matriculación serán explicados por los asesores de orientación en cada escuela. Todas las preguntas sobre ofrecimientos específicos de los cursos y sobre requisitos de graduación deben ser dirigidas a los asesores de orientación.

Es requisito que todos los estudiantes nuevos regresen el formulario de Información del Estudiante firmado por el padre/guardián antes de inscribirse para el año escolar actual o para el nuevo año.

## **REQUISITOS DE LECTURA**

A discreción de la escuela, los estudiantes que leen por debajo del nivel de grado pueden ser obligados a inscribirse en una clase de lectura.

Además de los estudiantes de primer año de inglés, los estudiantes recibirán un curso electivo para el apoyo de la capacitación en lectura y escritura. Los estudiantes que tengan más de un año por debajo del nivel de grado se le proporcionarán las intervenciones más intensivas a través de clases de lectura electivas. Consulte la página 45 para la descripción del curso.

**RECOMMENDED MINIMUM COURSE OF STUDY  
FOR ALL STUDENTS  
EXTRA CURRICULAR AND CO-CURRICULAR STANDARDS POLICY**

<b>Freshman Year</b>	<b>Credit(s)</b>	<b>Junior Year</b>	<b>Credit(s)</b>
English	1.0	English	1.0
Algebra I	1.0	Algebra II	1.0
Foreign Language	1.0	Chemistry or Physics	1.0
Integrated Science	1.0	United States/Arizona History and Geography	1.0
Wellness	1.0	Fine Arts or CTE	1.0
Elective	1.0	Elective	1.0
<b>Sophomore Year</b>	<b>Credit(s)</b>	<b>Senior Year</b>	<b>Credit(s)</b>
English	1.0	English	1.0
Biology or Chemistry	1.0	Pre-Calculus, Calculus, or College Algebra	1.0
Geometry	1.0	United States/Arizona Government	0.5
World History/Geography	1.0	Economics	0.5
Foreign Language	1.0	Elective	3.0
Elective	1.0		

Every college and university has its own entrance requirements.  
Students need to contact the college/university they are interested in attending to learn of other entrance requirements.

Tolleson Union High School District has a co-curricular policy for its students. If a student is interested in participating in any sport or organization, he/she should obtain information from the Administration Office at his/her school.

**STUDENT ATHLETES**

In order to play a sport in college, students must meet a specific set of academic standards. It is the responsibility of the student to make sure that he/she has met the needed standards.

More information can be obtained by speaking with a coach or guidance advisor. Additional information is available by visiting the District website at [www.tuhsd.org](http://www.tuhsd.org) or the NCAA Eligibility Center website at [www.eligibilitycenter.org](http://www.eligibilitycenter.org) or by calling toll free 1-877-622-2321.

**FOREIGN EXCHANGE STUDENT POLICY**

Tolleson Union High School District supports and encourages its students to broaden their educational experience and cultural awareness by participating in a foreign exchange program. To ensure quality and continuity in a student's academic growth, the following rules and procedures will apply to all foreign exchange program participants:

- The foreign exchange program must be recognized and approved by the Arizona Department of Education;
- The student must obtain a recommendation from his/her advisor and permission from the Principal;
- The student's grade point average is not affected by participation in a foreign exchange program;
- The student's class rank will be reinstated upon re-enrollment in the Tolleson Union High School District. During the period the student is participating in the foreign exchange program, he/she will be acknowledged for the purposes of college scholarships as being in the top five (5) or ten (10) percent of his/her class only, providing his/her class rank at the time of entering the foreign exchange program qualifies him/her for such recognition.

**PLAN DE ESTUDIO MINIMO RECOMENDADO  
PARA TODOS LOS ESTUDIANTES  
POLÍTICA DE ESTÁNDARES EXTRA-CURRICULARES Y CO-CURRICULARES**

<b>Grado 9</b>	<b>Crédito(s)</b>	<b>Grado 11</b>	<b>Crédito(s)</b>
Inglés	1.0	Inglés	1.0
Algebra I	1.0	Algebra II	1.0
Idiomas Extranjeros	1.0	Química o Física	1.0
Ciencia Integrada	1.0	Historia y Geografía de los Estados Unidos/Arizona	1.0
Salud	1.0	Bellas Artes o CTE	1.0
Electiva	1.0	Electiva	1.0
<b>Grado 10</b>	<b>Crédito(s)</b>	<b>Grado 12</b>	<b>Crédito(s)</b>
Inglés	1.0	Inglés	1.0
Biología o Química	1.0	Pre-Cálculo, Cálculo o Algebra Pre-Universitaria	1.0
Geometría Integrada	1.0	Gobierno de Estado Unidos/Arizona	0.5
Historia Mundial/Geografía	1.0	Economía	0.5
Idiomas Extranjeros	1.0	Electiva	3.0
Electiva	1.0		

Cada colegio y universidad tiene sus propios requisitos de entrada. Los estudiantes necesitan ponerse en contacto con el colegio/universidad a la cual les interesa asistir para enterarse de otros requisitos de entrada.

El Distrito de Escuelas Secundarias Tolleson tiene una política de estándares co-curriculares para sus estudiantes. Si un estudiante está interesado en participar en cualquier deporte u organización, él/ella deberá obtener información en la Oficina Administrativa de su escuela.

### **ESTUDIANTES ATLETAS**

Para poder jugar un deporte en el colegio, los estudiantes deben mantener una serie de estándares académicos específicos. Es responsabilidad del estudiante el asegurar que él/ella haya logrado satisfacer los estándares necesarios.

Se puede obtener más información hablando con su entrenador o consejero/a de asesoría. Usted puede obtener información adicional visitando la red del Distrito en [www.tuhsd.org](http://www.tuhsd.org) o la red del NCAA Centro de Ilegibilidad en [www.eligibilitycenter.org](http://www.eligibilitycenter.org) o llamando al 1-877-622-2321 sin costo alguno.

### **POLITICA DE ESTUDIANTES EXTRANJEROS DE INTERCAMBIO**

El Distrito de Escuelas Secundarias Tolleson apoya y alienta a sus estudiantes para que amplíen su experiencia educativa y su conocimiento cultural participando en el programa de intercambio extranjero. Para asegurar la calidad y continuidad en el crecimiento académico del estudiante, se aplicarán las siguientes reglas y procedimientos a los participantes del programa de intercambio extranjero:

- El programa de intercambio extranjero debe estar reconocido y aprobado por el Departamento de Educación de Arizona;
- El alumno deberá obtener una recomendación de su / su asesor y el permiso de la Directora;
- El promedio de notas del estudiante no se verá afectado por su participación en el programa de intercambio extranjero;
- Se reintegrará el rango en clase del estudiante en cuanto vuelva a inscribirse en el Distrito de Escuelas Secundarias Tolleson. Durante el periodo de tiempo que el estudiante participará en el programa de intercambio extranjero, él/ella será reconocido/a con los propósitos de becas para los colegios estando entre los primeros cinco (5) o diez (10) porcientos de su clase solamente, siempre y cuando su rango en el momento de entrar al programa de intercambio extranjero lo/la haga merecedor/a de tal reconocimiento.

# **ARIZONA UNIVERSITIES**

## Academic Competency Requirement

The Arizona Board of Regents, the governing body for the three state universities, has established a more detailed list of entrance requirements for their schools as noted below:

### ENGLISH - GRAMMAR, COMPOSITION, LITERARY ANALYSIS – 4 YEARS/UNITS

Elective courses such as Journalism, Business Communications, Speech, and any others not devoted exclusively to the study of English may not be substituted for a required English course.

### MATHEMATICS – 4 YEARS/UNITS

Algebra I; Geometry; Algebra II; any advanced math course in which Algebra II is a prerequisite, i.e., Pre-Calculus, Calculus, College Algebra.

### LABORATORY SCIENCE – 3 YEARS/UNITS

One year/unit in at least three of the four following laboratory sciences: Chemistry, Physics, Earth Science, or Biology. A laboratory-based Integrated Science course may be allowed to substitute for one of the three courses. An advanced level (e.g., Advanced Placement [AP] or honor course) to a subject completed previously can be used for a third year/unit.

### SOCIAL STUDIES – 2 YEARS/UNITS

One year/unit of American History and one year/unit of an additional social science such as Geography, U.S. Government, Psychology, Anthropology, European or World History, Economics or Sociology.

### FOREIGN LANGUAGE – 2 YEARS/UNITS

Two units of the same foreign language; a third year is recommended. Sign Language may be used to fulfill this requirement.

### FINE ARTS – 1 YEAR/UNIT

One unit in fine arts or any combination of two semesters of fine art courses. Fine arts courses are defined as those that provide opportunity to gain experience and knowledge in production and performance; analysis, interpretation and evaluation; and historical and cultural aspects of the visual and performing arts. Courses must combine theory and practice and include critical thinking skills.

- Art – Introduction to arts, art appreciation, art history, art therapy, art design (three dimensional), drawing, painting, ceramics, sculpture, studio art, life drawing, printmaking, museum studies, photography, art production, art careers, gallery management, graphic design, jewelry
- Dance – Ballet, modern dance, dance performance, dance history, choreography and production, jazz dance, ethnic dance, dance improvisation
- Music – Music appreciation, music history, band (beginning, advanced, marching), jazz ensemble, percussion ensemble, orchestra, choir (beginning, concert) voice, music theory/harmony, instrument training (guitar, strings, winds, piano), glee club, vocal ensemble, music laboratory
- Theatre – Drama, acting, directing, theatre arts, history of theatre, dramatic productions, stagecraft, costume design, and other technical theatre classes

**Course applicability to competency requirements will be considered on a case-by-case basis for all courses.**

## **UNIVERSIDADES DE ARIZONA**

### Requisitos de Competencias Académicas

La Mesa Directiva de Regentes de Arizona, la cual es el cuerpo que gobierna las tres universidades estatales, ha establecido una lista más detallada con requisitos de entrada a sus escuelas como vemos a continuación:

#### INGLES - GRAMÁTICA, COMPOSICIÓN, ANÁLISIS DE TÉRMINOS LITERARIOS – 4 AÑOS/UNIDADES

Los cursos electivos tales como Periodismo, Comunicación Empresarial, el habla y los otros no dedicados exclusivamente al estudio de inglés no pueden ser sustituidos por un curso de inglés requerido.

#### MATEMÁTICAS – 4 AÑOS/UNIDADES

Algebra I; Geometría; Algebra II; cualquier curso avanzado de matemáticas para el cual Algebra II es pre-requisito, por ejemplo, Pre-Cálculo, Cálculo, Algebra Pre-Universitaria.

#### CIENCIA DE LABORATORIO – 3 AÑOS/UNIDADES

Un(a) año/unidad en por lo menos tres de las cuatro siguientes ciencias de laboratorio: Química, Física, Ciencias de la Tierra, o Biología. Se podría permitir un curso de Ciencia Integrada basado en laboratorio para sustituir uno de los tres cursos. Un nivel avanzado (por ej., Colocación Avanzada [AP] o curso honores) de una materia terminada previamente puede ser utilizado para un tercer año/unidad.

#### ESTUDIOS SOCIALES – 2 AÑOS/UNIDADES

Un año/unidad de Historia Americana y un año/unidad de una ciencia social adicional tal como Geografía, Gobierno de EE.UU., Psicología, Antropología, Historia Mundial o Europea, Economía o Sociología.

#### IDIOMA EXTRANJERO – 2 AÑOS/UNIDADES

Dos unidades del mismo idioma extranjero; se recomienda un tercer año. Se puede utilizar el Lenguaje por Señas para cumplir con este requisito.

#### BELLAS ARTES – 1 AÑO/UNIDAD

Una unidad de bellas artes o cualquier combinación de dos semestres de cursos de bellas artes. Los cursos de bellas artes se definen como aquellos que proporcionan la oportunidad de obtener experiencia y conocimiento en producción y ejecución; análisis, interpretación y evaluación; y aspectos históricos y culturales de las artes visuales y de actuación. Los cursos deben combinar teoría y práctica e incluir habilidades de pensamiento crítico.

- Arte – Introducción a las artes, apreciación del arte, historia del arte, terapia del arte, diseño del arte (tri-dimensional), dibujo, pintura, cerámica, escultura, arte de estudio, dibujo en vivo, impresiones, estudios de museos, fotografía, producción del arte, carreras de arte, manejo de una galería, diseño gráfico, joyería
- Danza – Ballet, danza moderna, presentaciones de danza, historia de la danza, coreografía y producción, danza jazz, danzas étnicas, e improvisación de danzas
- Música – Apreciación de la música, historia de la música, banda (principiante, avanzada, de marcha), conjunto de jazz, conjunto de percusión, orquesta, coro (principiante, concierto), voz, teoría/armonía musical, entrenamiento con instrumentos (guitarra, cuerdas, vientos, piano), coral, conjunto vocal, laboratorio de música
- Teatro/Drama – Drama, actuación, dirección, artes de teatro, historia del teatro, producciones dramáticas, arte escénico, diseño de disfraces, y otras clases técnicas del teatro

**La aplicabilidad de los cursos a las competencias requeridas será considerada en base a cada caso para todos los cursos.**

## **COURSE PLACEMENT AND TRANSFER POLICY**

Each department will devise appropriate criteria for the identification and placement of entering students into classes within the department. These criteria are subject to review and approval by the Assistant Principal for Curriculum and Instruction.

Students transferring to Tolleson Union High School District from another accredited high school shall be automatically placed in any advanced class in which they were enrolled at their previous school.

### **ADVANCED AND ADVANCED PLACEMENT (AP) COURSES**

All students are eligible to enroll in advanced courses available in the subject areas of English, Math, Science, Social Studies and Foreign Language. Students will earn additional weights for grades of A, B, or C only.

Through college-level AP courses students have the opportunity to explore areas that might otherwise remain unexplored. Through the AP exam system, students have the opportunity to earn credit or advanced standing at most colleges and universities. AP courses are offered in the subject areas of English, Math, Science, Social Studies and Foreign Language. Students will earn additional weights for grades of A, B, or C only.

Parent request, guidance advisor and teacher recommendations will be key factors in placement in advanced and AP courses.

Note: There is a fee to take the AP exam.

### **DUAL ENROLLMENT PLACEMENT**

Students may receive both high school and community college credit while enrolled in Tolleson Union High School District courses that are taught by TUHSD teachers approved to offer dual enrollment credit. Tuition fee payments are required to enroll for dual enrollment opportunities.

### **CONCURRENT ENROLLMENT PLACEMENT**

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. Prior approval by the principal or a designee is required for each course in order to be granted high school credit.

## **POLITICA DE COLOCACIÓN Y TRANSFERENCIA DE CURSOS**

Cada departamento desarrollará un criterio apropiado para la identificación y colocación de los estudiantes que entran a las clases en ese departamento. Este criterio está sujeto a revisión y aprobación del Asistente del Director de Currículo e Instrucción.

Los estudiantes que transfieren al Distrito de Escuelas Secundarias Tolleson de otra escuela secundaria acreditada serán colocados automáticamente en las mismas clases en las que estaban matriculados en la escuela a la que asistían.

### **CURSOS AVANZADOS Y DE COLOCACIÓN AVANZADA (AP)**

Todos los estudiantes son elegibles para matricularse en cursos Avanzados disponibles en las áreas de Inglés, Matemáticas, Ciencias, Estudios Sociales e Idiomas Extranjeros. Los estudiantes obtendrán peso adicional en las notas de A, B, y C solamente.

A través de los cursos AP de colocación avanzada de colegio, los estudiantes tienen la oportunidad de explorar áreas que de otra manera quedarían sin ser exploradas. A través del sistema de exámenes AP, los estudiantes tienen la oportunidad de obtener crédito o avanzar en la colocación en la mayoría de colegios y universidades. Se ofrecen cursos AP en las áreas de Inglés, Matemáticas, Ciencias, Estudios Sociales e Idiomas Extranjeros. Los estudiantes obtendrán peso adicional en las notas de A, B o C solamente.

La petición de los padres y las recomendaciones del consejero/a y del maestro/a serán factores claves en la colocación en cursos avanzados y AP.

Nota: Habrá que pagar una tarifa para tomar el examen AP.

### **COLOCACIÓN CON MATRÍCULA DOBLE**

Los estudiantes pueden recibir crédito tanto de la escuela secundaria como del colegio comunitario mientras están matriculados en cursos de Distrito Tolleson Unión High School que son enseñadas por maestros de TUHSD que fueron aprobados para ofrecer créditos de matrícula doble. Se exige pago de tasas de matrícula para inscribirse en las oportunidades de matrícula doble.

### **MATRÍCULA DE COLOCACIÓN CONCURRENTE**

Los estudiantes matriculados en la secundaria también pueden tomar cursos en el colegio comunitario o en la universidad fuera de las horas de clase de la escuela secundaria. Se requiere obtener aprobación previa del director o persona designada para cada curso para poder garantizar el obtener crédito en la escuela secundaria.



## WITHDRAWAL AND TRANSFER

All requests for class transfers must be completed by the **second week** of each semester in order to receive consideration, unless the reason for the request is based upon inappropriate placement.

A student may be withdrawn from a class without penalty through the end of the second week of the semester. After the second week, a student must be passing the class to be withdrawn without penalty. If a student is failing the class, his/her permanent academic record shall reflect a grade of F (failure).

Any student who receives a failing grade for the semester in an advanced class may be withdrawn from that class prior to beginning the second semester and placed in a general education class.

A parental request for withdrawal of a student from a class shall be handled in accordance with the school policy for transferring classes.

## LATE ENTRY

Students *entering after the second week* of a semester may earn credit if they complete the necessary requirements. **Transfer grades will be accepted.**

## GRADING SYSTEM

The District has adopted a two-level, weighted grading system. Both Advanced Placement (AP) and Advanced courses earn an extra point for a "C" or higher. Approved summer school courses are included in the grade point average (GPA).

The following grade point system is used to calculate GPA, Honor Roll, and Class Rank:

<u>Letter Grade/Indicator</u>	<u>Percent Range</u>	<u>Accelerated Points</u>	<u>Regular Points</u>
A – Superior	90-100%	5.0	4.0
B – Good	80-89%	4.0	3.0
C – Average	70-79%	3.0	2.0
D – Barely Passing	60-69%	1.0	1.0
F – Fail	59% and below	0.0	0.0
P – Pass	N/A	N/A	N/A
I – Incomplete	N/A	N/A	N/A
AU – Audit	N/A	N/A	N/A
NC – No Credit	N/A	N/A	N/A

The District includes grade points for all courses except Teacher Aide, Peer Tutor and those for which students earn credit through test out. For these courses, a letter grade of "P" or "F" is given. Students who pass are awarded elective credit, but no points are accumulated toward GPA.

A grade indicator of "I" may be used by a teacher at the end of the grading period whenever a student, due to illness or extenuating circumstances, has not had sufficient time to demonstrate mastery of course requirements. Students will have 15 days following the completion of a semester to make-up all work and receive a letter grade.

## PROGRESS REPORTS

Official progress reports will be issued four (4) times per year at the mid-point of each quarter to advise parents on the academic progress of their student(s). These are handed out to students to be taken home.

## REPORT CARDS

Grade reports to parents are made on a nine (9) week basis. Report cards include an explanation of the system of marks used. Before report cards are distributed, each nine (9) week period, the teacher will explain the marking system to the students.

Parents should expect to receive report cards one (1) week after the grading period ends in the mail.

## ABANDONO DE LA ESCUELA Y TRANSFERENCIA

Todas las peticiones para transferencia de clases deben ser completadas a más tardar la **segunda semana** de cada semestre para que puedan ser consideradas a menos que la razón por la cual se hace la petición esté basada en colocación no apropiada.

Un estudiante puede abandonar una clase sin consecuencias hasta el final de la segunda semana del semestre. Después de la segunda semana, el estudiante debe estar pasando la clase para poder abandonarla sin consecuencias. Si un estudiante está reprobando la clase, su expediente académico permanente reflejará una nota de F (reprobar).

Cualquier estudiante que reciba una calificación reprobatoria en el semestre en una clase avanzada puede ser retirado de la clase antes de comenzar el segundo semestre y ser colocado en una clase de educación general.

Una petición de los padres para retirar a un estudiante de una clase será manejada de acuerdo con las normas de transferencias de clases de la escuela.

### ENTRADA TARDE

Estudiantes que entran después de la segunda semana de haber comenzado un semestre podrían obtener crédito si completan los requisitos necesarios. Se aceptará transferencia de notas.

### SISTEMA DE CALIFICACIONES

El Distrito ha adoptado un sistema de notas con peso de dos niveles. Tanto las clases de Colocación Avanzada (AP) como las de cursos Avanzados obtienen un punto extra por cada "C" o notas más altas. Cursos de verano aprobados se incluyen en el promedio de notas (GPA).

El sistema de puntos que vemos a continuación se utiliza para calcular el promedio (GPA), Honores, y Rango en Clase:

<u>Letra Nota/Indicador</u>	<u>Porcentaje Abarcado</u>	<u>Puntos Acelerados</u>	<u>Puntos Regulares</u>
A – Superior	90-100%	5.0	4.0
B – Bueno	80-89%	4.0	3.0
C – Promedio	70-79%	3.0	2.0
D – Pasando Apenas	60-69%	1.0	1.0
F – Reprobar	59% y por debajo	0.0	0.0
P – Pasar	N/A	N/A	N/A
I – Incompleto	N/A	N/A	N/A
AU – Oyente	N/A	N/A	N/A
NC – Sin Crédito	N/A	N/A	N/A

El Distrito incluye calificaciones con puntos en todos los cursos excepto en Auxiliar del Maestro/a, Tutoría entre Estudiantes, y aquellos en los cuales los estudiantes obtienen crédito por medio de un examen. Para estos cursos, se dan las letras "P" y "F". Los estudiantes que pasan esta clase reciben crédito electivo, pero no acumulan puntos hacia el GPA.

Una nota con el indicador "I" puede ser utilizada por el maestro/a al final del periodo de notas cuando un estudiante, debido a enfermedad o circunstancias extenuantes, no ha tenido suficiente tiempo para demostrar maestría a través de los requisitos del curso. Los estudiantes tendrán 15 días al final de cada semestre para hacer todo el trabajo que deben y recibir una nota de letra.

### REPORTES DE PROGRESO

Los reportes de progreso oficiales saldrán cuatro (4) veces al año en el punto medio de cada periodo de notas para informar a los padres sobre el progreso académico de su estudiante(s).

### CALIFICACIONES

Las calificaciones para informar a los padres se dan cada nueve (9) semanas. Las calificaciones incluyen una explicación del sistema de puntos utilizado. Antes de distribuir las calificaciones cada nueve (9) semanas, el maestro/a explicará el sistema de puntos a los estudiantes.

Los padres deben esperar recibir las calificaciones por correo una (1) semana después de terminar el periodo de calificación.

## **REPEATING COURSES**

Though all courses may be repeated to raise a grade, core credit toward graduation is only earned once for any class. In the case of a repeated core course, only the higher grade is documented for core credit.

## **GRADUATION HONORS**

The schools will recognize the top 1% of each school's graduation class as graduating with Highest Distinction, the top 3% with High Distinction, and the top 10% with Distinction.

## **QUALIFICATIONS FOR ACADEMIC HONORS**

A student may qualify for Academic Honors by earning a weighted semester Grade Point Average (GPA) of:

GPA	Academic Honor
3.0 - 3.49	Honor Roll
3.5 - 3.99	Principal's List
4.0 and above	Superintendent's List

## **ADDITIONAL EDUCATIONAL OPPORTUNITIES**

### **Credit Recovery Labs**

Each school in the Tolleson Union High School District has a credit recovery program that is designed to give students an alternative method of instruction to regain credit loss due to a previous unsuccessful grade. Students work independently to complete coursework under the general supervision of certified teachers. While students follow the District adopted curriculum and graduation requirements, this program offers students the flexibility to meet individual needs, interests, and learning styles. Enrollment in this program is by referral from the student's school guidance advisor and parental approval. An application must be completed as part of the enrollment process. More information can be obtained from your school's Guidance Office.

### **Continuing Education Academy**

The James A. Green Continuing Education Academy is an alternative education program in the Tolleson Union High School District that is designed to provide at-risk and/or disaffected youths a non-traditional high school program that will meet the academic, vocational, social, and emotional needs of the individual student, thus allowing him/her to work toward obtaining their high school diploma. In addition, multiple instructional and support services will be provided to assist students in developing responsible patterns of behavior, including increased and sustained academic productivity and age-appropriate social interaction. More information can be obtained from your school's Guidance Office.

### **Summer School**

Summer school is currently offered by the Tolleson Union High School District and is open to incoming ninth through twelfth grade students. Students may take one class per summer school session to earn 0.5 credit for the class. A maximum of one (1) unit of credit (two classes) may be earned in the summer school program per summer or all together throughout high school. Tuition is charged for each semester (0.5 credit) course taken. More information can be obtained from your school Guidance Office.

## **REPETICIÓN DE CURSOS**

Aunque todos los cursos pueden ser repetidos para subir una nota, crédito del núcleo hacia la graduación solo se obtiene una vez para cada clase. En el caso de una clase repetida del núcleo, sólo se documentará la nota más alta para crédito del núcleo.

## **GRADUACIÓN CON HONORES**

Las escuelas reconocerán con Distinción Altísima al 1% más alto de la clase de graduandos de cada escuela, el 3% más alto con Distinción Alta, y el 10% más alto con Distinción.

## **CALIFICACIONES PARA LA LISTA DE HONORES**

Un estudiante puede calificar para Honores Académicos mediante la obtención de un promedio ponderado de calificaciones (GPA) por semestre de:

GPA	Honor Académico
3.0 - 3.49	Cuadro de Honor
3.5 - 3.99	Lista del Director
4.0 y por encima	Lista del Superintendente

## **OPORTUNIDADES EDUCATIVAS ADICIONALES**

### **Laboratorios para Recuperación de Créditos**

Cada escuela en el Distrito de Escuelas Secundarias Tolleson tiene un programa de recuperación de créditos diseñado para dar a los estudiantes un método alternativo de instrucción para recuperar créditos perdidos debido a no haber tenido éxito en las notas obtenidas previamente. Los estudiantes trabajan independientemente para completar los trabajos del curso bajo la supervisión general de maestros habilitados para ejercer la docencia. Mientras que los estudiantes cumplen con el currículo y los requisitos de graduación adoptados por el Distrito, este programa ofrece a los estudiantes la flexibilidad necesaria para responder a las necesidades individuales, intereses y estilos de aprendizaje. La inscripción en este programa es por recomendación del consejero/a escolar del estudiante y consentimiento de los padres. Debe llenarse una aplicación como parte del proceso de inscripción. Puede obtenerse más información de la Oficina de Asesoría de su escuela.

### **Academia de Educación Continua**

La Academia de Educación Continua James A. Green es un programa de educación alternativo en el Distrito de Escuelas Secundarias Tolleson el cual está diseñado para proporcionar un programa de bachillerato no tradicional a los estudiantes con riesgos y/o desinclinados que responda a las necesidades académicas, vocacionales, sociales y emotivas de cada estudiante individualmente, lo cual les permite trabajar hacia la obtención de su diploma de bachillerato. Además, se proporcionarán numerosos servicios de enseñanza y apoyo para ayudar a los estudiantes a desarrollar patrones responsables de comportamiento, incluyendo el aumento y mantenimiento de la productividad académica y la interacción social apropiada para su edad. Puede obtenerse más información de la Oficina de Asesoría del su escuela.

### **Escuela de Verano**

El Distrito de Escuelas Secundarias Tolleson actualmente ofrece la escuela de verano la cual está abierta para todos los alumnos del noveno grado que llegan hasta los del grado doce. Los estudiantes pueden tomar una clase por sesión escolar de verano para obtener 0.5 crédito por la clase. Se puede obtener un máximo de una (1) unidad de crédito (dos clases) en el programa de escuela de verano, por verano o en su totalidad durante la secundaria. Se cobra por cada semestre (0,5 créditos) de curso tomado. Puede obtenerse más información de la Oficina de Asesoría del su escuela.

# Tolleson Union High School District

## 2015-2016 Fee Schedule

THESE FEES ARE IN ACCORDANCE WITH A.R.S. §15-342.19 AND A.R.S. §15-342.24

<b>BUSINESS AND MARKETING EDUCATION</b>		<b>FEE</b>
8700	Business Operations 1	\$10.00
8701	Business Operations 2	\$10.00
8702	Business Operations 3	\$10.00
8703	Business Operations 4	\$10.00
8615	Personal Finance 1	\$5.00
8616	Personal Finance 2	\$5.00
8653	Finance in the World of Work 3	\$5.00
8654	Finance in the World of Work 4	\$5.00
8655	Finance & Economics 5	\$5.00
8656	Finance & Economics 6	\$5.00
8911	Information Technology Fundamentals 1	\$5.00
8912	Information Technology Fundamentals 2	\$5.00
8571	Marketing Entrepreneurship 1	\$5.00
8572	Marketing Entrepreneurship 2	\$5.00
8573	Marketing & Economics 3	\$5.00
8574	Marketing & Economics 4	\$5.00
8575	Marketing 5	\$5.00
8576	Marketing 6	\$5.00

<b>EDUCATION AND TRAINING</b>		<b>FEE</b>
5501	Future Teachers 1	\$10.00
5502	Future Teachers 2	\$10.00
5503	Future Teachers 3	\$10.00
5504	Future Teachers 4	\$10.00
5560	Early Childhood 1	\$10.00
5561	Early Childhood 2	\$10.00
5570	Early Childhood 3	\$10.00
5571	Early Childhood 4	\$10.00

<b>ENGINEERING SCIENCES AND INFORMATION/COMMUNICATION TECHNOLOGIES</b>		<b>FEE</b>
3641	Photography 1 (LJCHS Only)	\$15.00
3642	Photography 2 (LJCHS Only)	\$15.00
3651	Photography 3 (LJCHS Only)	\$15.00
3652	Photography 4 (LJCHS Only)	\$15.00
6441	Electronics Technology 1 (WHS only)	\$10.00
6442	Electronics Technology 2 (WHS only)	\$10.00
6443	Electronics Technology 3 (WHS only)	\$10.00
6444	Electronics Technology 4 (WHS only)	\$10.00
6501	Engineering 1	\$15.00
6502	Engineering 2	\$15.00
6503	Engineering 3	\$15.00
6504	Engineering 4	\$15.00
8613	Web Publishing 3	\$5.00
8614	Web Publishing 4	\$5.00
8923	Programming 3	\$5.00
8924	Programming 4	\$5.00

<b>FAMILY &amp; CONSUMER SCIENCES</b>		<b>FEE</b>
5541	Culinary Arts 1	\$15.00
5542	Culinary Arts 2	\$20.00
5544	Culinary Arts 3	\$20.00
5545	Culinary Arts 4	\$20.00
5548	Culinary Arts 5	\$20.00
5549	Culinary Arts 6	\$20.00
5531	Fashion 1	\$10.00
5532	Fashion 2	\$10.00
5533	Fashion 3	\$10.00
5534	Fashion 4	\$10.00

<b>HEALTH CAREERS EDUCATION</b>		<b>FEE</b>
8122	Sports Medicine 1	\$5.00
8123	Sports Medicine 2	\$5.00
8124	Sports Medicine 3	\$15.00
8125	Sports Medicine 4	\$15.00
8201	Principals of Bioscience 1	\$10.00
8202	Principles of Bioscience 2	\$10.00
8203	Bioscience Applications 3	\$10.00
8204	Bioscience Applications 4	\$10.00

<b>INDUSTRIAL TECHNOLOGY</b>		<b>FEE</b>
6211	Automotive Technology 1 (TUHS only)	\$10.00
6212	Automotive Technology 2 (TUHS only)	\$10.00
6213	Automotive Technology 3 (TUHS only)	\$10.00

6214	Automotive Technology 4 (TUHS only)	\$10.00
6421	Construction Core 1 (LJCHS & WHS only)	\$10.00
6422	Construction Core 2 (LJCHS & WHS only)	\$10.00

<b>INDUSTRIAL TECHNOLOGY (Cont.)</b>		<b>FEE</b>
6491	Cabinetmaking 1 (LJCHS & WHS only)	\$10.00
6492	Cabinetmaking 2 (LJCHS & WHS only)	\$10.00
6493	Carpentry 3 (LJCHS & WHS only)	\$10.00
6494	Carpentry 4 (LJCHS & WHS only)	\$10.00
6431	Architectural Drafting 1	\$10.00
6432	Architectural Drafting 2	\$10.00
6433	Architectural Drafting 3	\$10.00
6434	Architectural Drafting 4	\$10.00
6481	Welding Technology 1 (WHS only)	\$10.00
6482	Welding Technology 2 (WHS only)	\$10.00
6483	Welding Technology 3 (WHS only)	\$10.00
6484	Welding Technology 4 (WHS only)	\$10.00
6485	Welding Technology 5 (WHS only)	\$10.00
6486	Welding Technology 6 (WHS only)	\$10.00

<b>PERFORMING &amp; VISUAL ARTS</b>		<b>FEE</b>
3813	Modern Dance 1	\$10.00
3814	Modern Dance 2	\$10.00
3815	Modern Dance 3	\$10.00
3816	Modern Dance 4	\$10.00
3819	Modern Dance 5	\$10.00
3820	Modern Dance 6	\$10.00
3817	Modern Dance 7 (Choreography & Performance)	\$10.00
3818	Modern Dance 8 (Choreography & Performance)	\$10.00
3873	Beginning Band 1	\$10.00
3874	Beginning Band 2	\$10.00
3881	Varsity Band & Flagline 1	\$20.00
3882	Varsity Band & Flagline 2	\$20.00
3811	Chorus 1	\$10.00
3812	Chorus 2	\$10.00
3823	Chorus 3	\$10.00
3824	Chorus 4	\$10.00
3821	Concert Choir 1	\$15.00
3822	Concert Choir 2	\$15.00
3825	Concert Choir 3 (Vocal Ensemble)	\$15.00
3826	Concert Choir 4 (Vocal Ensemble)	\$15.00
3891	Mariachi Ensemble 1 (TUHS only)	\$10.00
3892	Mariachi Ensemble 2 (TUHS only)	\$10.00
3841	Piano 1	\$10.00
3842	Piano 2	\$10.00
3851	Piano 3	\$10.00
3852	Piano 4	\$10.00
3801	Beginning Guitar 1	\$10.00
3802	Beginning Guitar 2	\$10.00
3803	Guitar 3	\$10.00
3804	Guitar 4	\$10.00
3641	Photography 1	\$15.00
3642	Photography 2	\$15.00
3651	Photography 3	\$15.00
3652	Photography 4	\$15.00
3467	Theatre 1	\$5.00
3468	Theatre 2	\$5.00
3469	Theatre 3	\$10.00
3470	Theatre 4	\$10.00
3471	Theatre 5	\$10.00
3472	Theatre 6	\$10.00
3473	Theatre 7	\$10.00
3474	Theatre 8	\$10.00
3456	Stage Production 1	\$5.00
3457	Stage Production 2	\$5.00
3461	Stage Production 3	\$5.00
3462	Stage Production 4	\$5.00
3601	Art 1	\$15.00
3602	Art 2	\$15.00
3610	Art 3	\$15.00
3611	Art 4	\$15.00
3612	Art 5	\$20.00
3613	Art 6	\$20.00
3621	Art Studio 1	\$20.00
3622	Art Studio 2	\$20.00
3637	Advanced Placement Art Studio 1	\$20.00
3638	Advanced Placement Art Studio 2	\$20.00
3614	Ceramics 1	\$20.00
3615	Ceramics 2	\$20.00
3616	Ceramics 3	\$20.00

Note: The above listed fees do not exceed the actual cost of the activity, program, service, equipment, or materials.  
If the above fees present a financial hardship for any student, parents may contact an administrator to negotiate a payment plan or obtain a waiver of all or part of the fees. Please contact the school office in this situation and you will be directed to the administrator in charge

# Distrito De Escuelas Secundarias Tolleson

## Listado de Tarifas 2015-2016

ESTAS TARIFAS ESTÁN CONFORMES CON A.R.S. §15-342.19 Y A.R.S. §15-342.24

EDUCACIÓN FINANCIERA		TARIFA
8700	Operaciones de Negocios 1	\$10.00
8701	Operaciones de Negocios 2	\$10.00
8702	Operaciones de Negocios 3	\$10.00
8703	Operaciones de Negocios 4	\$10.00
8615	Finanzas Personales 1	\$5.00
8616	Finanzas Personales 2	\$5.00
8653	Finanzas en el Mundo del Trabajo 3	\$5.00
8654	Finanzas en el Mundo del Trabajo 4	\$5.00
8655	Finanzas & Economía 5	\$5.00
8656	Finanzas & Economía 6	\$5.00
8911	Fundamentos de Información Tecnológica 1	\$5.00
8912	Fundamentos de Información Tecnológica 2	\$5.00
8571	Mercadeo Empresarial 1	\$5.00
8572	Mercadeo Empresarial 2	\$5.00
8573	Mercadeo & Economía 3	\$5.00
8574	Mercadeo & Economía 4	\$5.00
8575	Mercadeo 5	\$5.00
8576	Mercadeo 6	\$5.00

PROFESIONES DE EDUCACIÓN		TARIFA
5501	Futuros Maestros 1	\$10.00
5502	Futuros Maestros 2	\$10.00
5503	Futuros Maestros 3	\$10.00
5504	Futuros Maestros 4	\$10.00
5560	Primera Infancia 1	\$10.00
5561	Primera Infancia 2	\$10.00
5570	Primera Infancia 3	\$10.00
5571	Primera Infancia 4	\$10.00

CIENCIAS DE LA INGENIERÍA Y TECNOLOGÍA DE LA INFORMACIÓN		TARIFA
6441	Tecnología Electrónica 1 (WHS solamente)	\$10.00
6442	Tecnología Electrónica 2 (WHS solamente)	\$10.00
6443	Tecnología Electrónica 3 (WHS solamente)	\$10.00
6444	Tecnología Electrónica 4 (WHS solamente)	\$10.00
6501	Ingeniería 1	\$15.00
6502	Ingeniería 2	\$15.00
6503	Ingeniería 3	\$15.00
6504	Ingeniería 4	\$15.00
8613	Publicación en la Red 3	\$5.00
8614	Publicación en la Red 4	\$5.00
8923	Programación 3	\$5.00
8924	Programación 4	\$5.00

CIENCIAS DE LA FAMILIA & DEL CONSUMIDOR		TARIFA
5541	Artes Culinarias 1	\$15.00
5542	Artes Culinarias 2	\$20.00
5544	Artes Culinarias 3	\$20.00
5545	Artes Culinarias 4	\$20.00
5548	Artes Culinarias 5	\$20.00
5549	Artes Culinarias 6	\$20.00
5531	Moda 1	\$10.00
5532	Moda 2	\$10.00
5533	Moda 3	\$10.00
5534	Moda 4	\$10.00

CARRERAS DE EDUCACIÓN DE LA SALUD		TARIFA
8122	Medicina Deportiva 1	\$5.00
8123	Medicina Deportiva 2	\$5.00
8124	Medicina Deportiva 3	\$15.00
8125	Medicina Deportiva 4	\$15.00
8201	Principios de 1a Ciencia Biomédica 1	\$10.00
8202	Principios de 1a Ciencia Biomédica 2	\$10.00
8203	Aplicaciones de 1a Ciencia Biomédica 3	\$10.00
8204	Aplicaciones de 1a Ciencia Biomédica 4	\$10.00

TECNOLOGÍA INDUSTRIAL		TARIFA
6211	Tecnología Automotriz 1 (TUHS solamente)	\$10.00
6212	Tecnología Automotriz 2 (TUHS solamente)	\$10.00
6213	Tecnología Automotriz 3 (TUHS solamente)	\$10.00
6214	Tecnología Automotriz 4 (TUHS solamente)	\$10.00
6421	Núcleo de Construcción 1 (LJCHS & WHS solamente)	\$10.00
6422	Núcleo de Construcción 2 (LJCHS & WHS solamente)	\$10.00

TECNOLOGÍA INDUSTRIAL (Cont.)		TARIFA
6492	Ebanistería 2 (LJCHS & WHS solamente)	\$10.00
6493	Carpintería 3 (LJCHS & WHS solamente)	\$10.00
6494	Carpintería 4 (LJCHS & WHS solamente)	\$10.00
6431	Delineación Arquitectónica 1	\$10.00
6432	Delineación Arquitectónica 2	\$10.00
6433	Delineación Arquitectónica 3	\$10.00
6434	Delineación Arquitectónica 4	\$10.00
6481	Tecnología de la Soldadura 1 (WHS solamente)	\$10.00
6482	Tecnología de la Soldadura 2 (WHS solamente)	\$10.00
6483	Tecnología de la Soldadura 3 (WHS solamente)	\$10.00
6484	Tecnología de la Soldadura 4 (WHS solamente)	\$10.00
6485	Tecnología de la Soldadura 5 (WHS solamente)	\$10.00
6486	Tecnología de la Soldadura 6 (WHS solamente)	\$10.00

BELLAS ARTES		TARIFA
3813	Danza Moderna 1	\$10.00
3814	Danza Moderna 2	\$10.00
3815	Danza Moderna 3	\$10.00
3816	Danza Moderna 4	\$10.00
3819	Danza Moderna 5	\$10.00
3820	Danza Moderna 6	\$10.00
3817	Danza Moderna 7 (Coreografía & Representación)	\$10.00
3818	Danza Moderna 8 (Coreografía & Representación)	\$10.00
3873	Banda de Inicio 1	\$10.00
3874	Banda de Inicio 2	\$10.00
3881	Banda Universitaria de Música & Banderas 1	\$20.00
3882	Banda Universitaria de Música & Banderas 2	\$20.00
3811	Coro 1	\$10.00
3812	Coro 2	\$10.00
3823	Coro 3	\$10.00
3824	Coro 4	\$10.00
3821	Coro de Concierto 1	\$15.00
3822	Coro de Concierto 2	\$15.00
3825	Coro de Concierto 3 (Conjunto Vocal)	\$15.00
3826	Coro de Concierto 4 (Conjunto Vocal)	\$15.00
3891	Conjunto Mariachi 1 (TUHS solamente)	\$10.00
3892	Conjunto Mariachi 2 (TUHS solamente)	\$10.00
3841	Piano 1	\$10.00
3842	Piano 2	\$10.00
3851	Piano 3	\$10.00
3852	Piano 4	\$10.00
3801	Guitarra para Principiantes 1	\$10.00
3802	Guitarra para Principiantes 2	\$10.00
3803	Guitarra 3	\$10.00
3804	Guitarra 4	\$10.00
3641	Fotografía 1	\$15.00
3642	Fotografía 2	\$15.00
3651	Fotografía 3	\$15.00
3652	Fotografía 4	\$15.00
3467	Teatro 1	\$5.00
3468	Teatro 2	\$5.00
3469	Teatro 3	\$10.00
3470	Teatro 4	\$10.00
3471	Teatro 5	\$10.00
3472	Teatro 6	\$10.00
3473	Teatro 7	\$10.00
3474	Teatro 8	\$10.00
3456	Producción Escénica 1	\$5.00
3457	Producción Escénica 2	\$5.00
3461	Producción Escénica 3	\$5.00
3462	Producción Escénica 4	\$5.00
3601	Arte 1	\$15.00
3602	Arte 2	\$15.00
3610	Arte 3	\$15.00
3611	Arte 4	\$15.00
3612	Arte 5	\$20.00
3613	Arte 6	\$20.00
3621	Arte de Estudio 1	\$20.00
3622	Arte de Estudio 2	\$20.00
3637	Arte de Estudio de Colocación Avanzada 1	\$20.00
3638	Arte de Estudio de Colocación Avanzada 2	\$20.00
3614	Cerámica 1	\$20.00
3615	Cerámica 2	\$20.00
3616	Cerámica 3	\$20.00
3617	Cerámica 4	\$20.00

Nota: El listado de tarifas anterior no excede el costo actual de la actividad, programa, servicio, equipo o materiales. Si las tarifas anteriores presentan dificultad económica para cualquier estudiante, los padres pueden ponerse en contacto con un administrador para negociar un plan de pago u obtener una exención de toda o parte de la tarifa. En este caso, por favor póngase en contacto con la oficina de la escuela y le pondrán en contacto con el administrador encargado.

## TUHSD COURSE OFFERINGS TABLE OF CONTENTS

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### COURSE DESCRIPTIONS

Courses listed in this course description guide are proposed for the 2015-2016 school year in the Tolleson Union High School District. The final decision to offer a class will be dependent on the following factors:

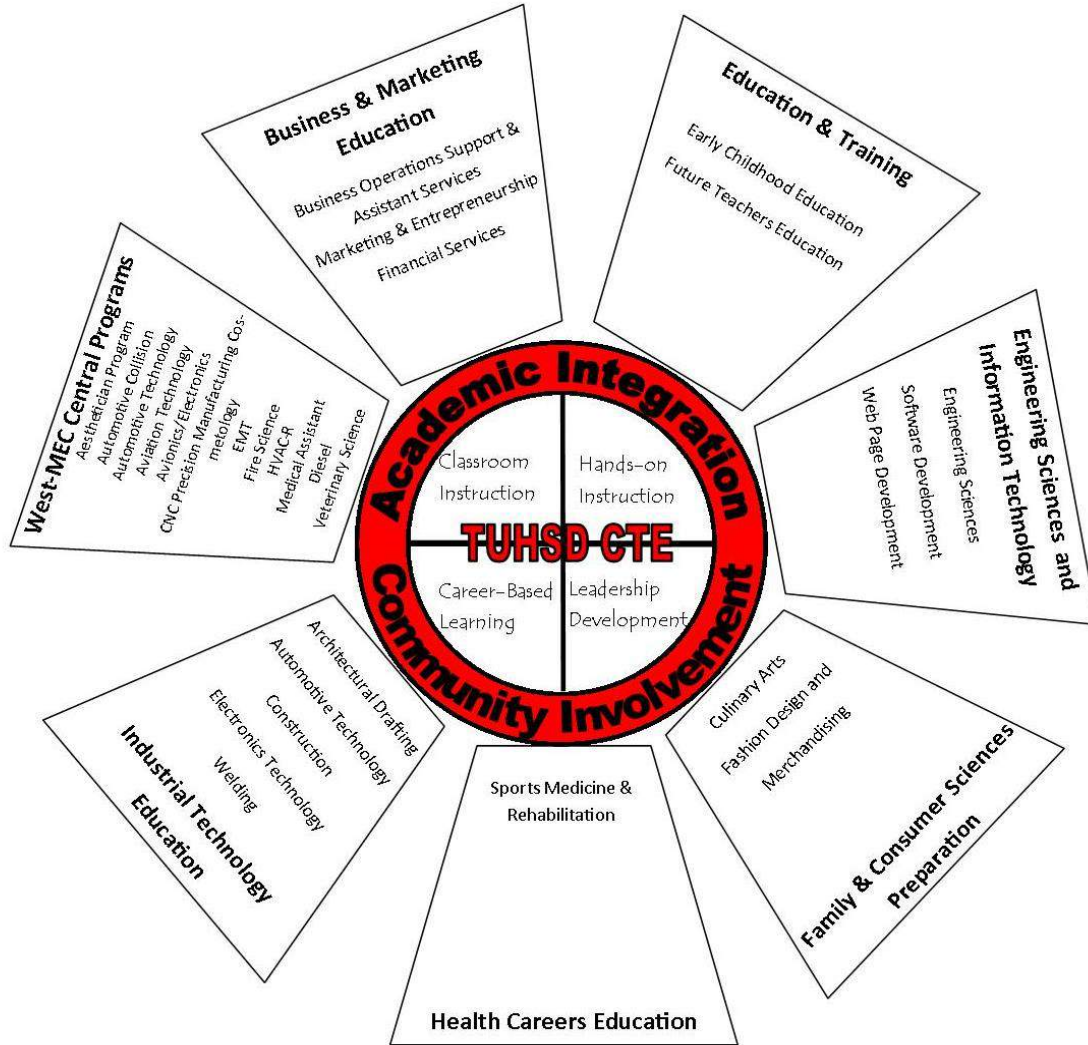
- Classroom space;
- Availability of a certified/highly qualified teacher;
- Meets minimum enrollment standards; and
- Ability of the District to financially support the class.

Note: There are class fees associated with some courses; see page 19.



# CAREER AND TECHNICAL EDUCATION (CTE)

Tolleson Union High School District Career and Technical Education teachers respond to the needs of the ever changing global economy by better training and preparing future employees through the use of the Total Program Delivery Model (below). CTE prepares students for a wide range of careers. These careers require varying levels of education - from high school diplomas and industry or post-secondary certificates to college degrees. Many of the CTE programs in TUHSD offer the opportunity for students to earn community college credit upon successful completion of their class.



Career & Technical Education covers a variety of challenging fields which are constantly evolving due to the changing global economy. Some of the career areas that students may enter through Career & Technical Education in the Tolleson Union High School District include:

**CTE Programs of Study**

**Employment Opportunities *(includes but not limited to)***

Architectural Drafting	drafting, architecture, engineering drawing, design draftsman
Automotive Technology	auto maintenance, auto repair, automotive engineer
Bioscience	scientist, laboratory assistant, medical research, biomedical engineer, geneticist
Business Operations Support and Administrative Services	data entry, management, filing, records management, entrepreneurship
Construction	carpentry, cabinet making, electrical, masonry, concrete, construction field technician, general foreman
Digital Photography	photographer or editor (studio, fashion, food, forensic, medical, architecture, real estate).
Culinary Arts	pastry chef, prep cook, executive chef, food & beverage handler, recipe taster & developer, restaurant publicist, food service manager, dietetic technician
Early Childhood Education	childcare provider/director, preschool teacher/director, paraprofessional nanny, teaching assistant, social worker, pediatric physical/speech therapist, parent educator
Electronics Technologies	electrical, electronics, communication, electrical engineering
Engineering Sciences	aeronautical engineer, electrical engineer, mechanical engineer, industrial engineer, civil engineer
Fashion Design & Merchandising	fashion apparel designer, fashion apparel buyer, fashion journalist, showroom manager, display coordinator, fashion stylist, retail manager, textile performance tester
Financial Services	finance, banking, real estate, book keeping, insurance, economist, analyst
Future Teacher Education	teacher, counselor, principal, professor, speech therapist
Journalism	photographer, graphic designer, newscaster, videographer, writer/author, producer, radio, editor
Marketing	business owner, advertising, public relations, brand management, media director, communications
Software Development	computer programmer, hardware/software support, software engineer
Sports Medicine & Rehabilitation	athletic trainer, personal trainer, physical therapist, physical therapist assistant, physical therapist tech, physician, nurse
Web Page Development	systems manager, web page design/management
Welding Technologies	welder, solder, metal cutter, welding engineer, construction welder, plumber, ironworker, pipe fitter, metal engineer, metallurgist

Programs are reviewed annually and updated to reflect alignment with business/industry standards. Rigorous Arizona academic standards are also taught to prepare students to meet the demands of our changing economy. CTE classes develop the skills most sought after by employers including strong academic and critical thinking skills, strong technical skills, and employability skills of teamwork, communication, and effective work habits.

## RECOMMENDED INTRODUCTORY COURSE FOR MOST CTE PROGRAMS

### ACADEMIC/CAREER

#### SUCCESS 1-2

#### COURSE #5491-92

Fee: None

Course length: 2 semesters

Grade level: 9-12

**Prerequisite:** None

**Course description:** Students will explore different educational and career opportunities through projects and group activities. This course emphasizes communication skills, goal planning/setting, pre/post high school transition skills, literacy, and an introduction to Microsoft Office Suite™. At the end of the course students will have electronic portfolios with plans for high school, college, and careers.

**This course does not fulfill CTE requirement for graduation.**

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**focusing on the future, today**

Career & Technical Education

Tolleson Union High School District, #214



## BUSINESS AND MARKETING EDUCATION PROGRAMS

Students must successfully complete a sequence of course work within a program area to be considered as a prospective Program Concentrator.

- Business Operations Support and Assistant Services
- Financial Services
- Marketing

### ❖ *Business Operations Support and Assistant Services*

Students who successfully complete the Business Operations & Support Program of instruction will be adequately prepared to perform the duties of administrative assistants and/or business owners. The program includes instruction in business communications, principles of business law, word processing and data entry, office machines operations and maintenance, office procedures, public relations, bookkeeping, filing systems and records management, and report preparation.

Recommended Courses:

Grade 9-11: Business Operations 1-2

Grade 10-12: Business Operations 3-4

Grade 12: Business Operations Internship

### BUSINESS OPERATIONS 1-2

#### COURSE #8700-01

Fee: \$10.00 per semester

Course Length: 2 semesters

Grade Level: 9-11

**Prerequisite:** None

**Course Description:** Students will participate in a small business community work-flow simulation. By managing one of the businesses, students are responsible for the daily operations of that business and will learn to interact with other business managers. Students will become familiar with the structure of all businesses, large and small. Students will be prepared to take the MOUS certification (Microsoft Office Suite™) exam upon completion of this class.

**Note: There is a fee to take the MOUS certification exam.**

**Note: Dual Enrollment may be offered for this course.**

### BUSINESS OPERATIONS 3-4

#### COURSE #8702-03

Fee: \$10.00 per semester

Course Length: 2 semesters

Grade Level: 10-12

**Prerequisite:** Successful completion of Business Operations 1-2 with a grade of C or better

**Course Description:** Students will utilize business operations skills developed in the course to complete business projects for the faculty, staff and community business owners. The course will review business ethics, the development of appropriate human relations skills and managing a staff in a business environment.

**Note: Dual Enrollment may be offered for this course.**

### BUSINESS OPERATIONS INTERNSHIP

#### COURSE #8704-05

Course Length: 2 semesters

Grade Level: 12 (students must be a minimum of age 16)

**Prerequisite:** Successful completion of Business Operations & Applications 3-4 with a grade of C or better

**Course Description:** This course provides students with an opportunity to apply previously developed knowledge and skills into a structured work experience on campus or off site at a local business. Students spend at least five hours per week working in the internship and will earn 0.5 credits per semester.

**Note: Students MUST provide their own transportation and insurance if working off site. Application forms and other paperwork must be submitted by April 15 of the student's junior year.**

## ❖ Financial Services

Students who successfully complete the Financial Services Program of instruction will be adequately prepared to understand personal business-economic issues, solve problems, and enter the labor market in financial institutions, including banking, insurance, and investments.

### Recommended Courses:

- Grade 9-11: Personal Finance 1-2
- Grade 10-12: Finance in the World of Work 3-4
- Grade 11-12: Finance & Economics 5-6
- Grade 12: Financial Services Internship

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<b>PERSONAL FINANCE 1-2</b> <b>COURSE #8615-16</b> <b>Fee:</b> \$5.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 9-11	<b>Prerequisite:</b> None <b>Course Description:</b> Students will develop workplace job competence using the ten-key touch method; solve common business and personal math problems using a calculator and Excel; understand the value and importance of calculators in business; improve basic arithmetic skills; and develop skills for personal budget, check writing, reconciliation, credit, etc.
<b>FINANCE IN THE WORLD OF WORK 3-4</b> <b>COURSE #8653-54</b> <b>Fee:</b> \$5.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 10-12	<b>Prerequisite:</b> Successful completion of Personal Finance 1-2 with a grade of C or better <b>Course Description:</b> This course introduces students to personal business-economic issues and problem-solving related to financial institutions including banking, insurance and investments. Students may be involved in a school site enterprise as part of the course. <b>Note: Dual Enrollment may be offered for this course.</b>
<b>FINANCE &amp; ECONOMICS 5-6</b> <b>COURSE #8655-56</b> <b>Fee:</b> \$5.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 11-12	<b>Prerequisite:</b> Successful completion of Personal Finance 1-2 and Finance in the World of Work 3-4 with a grade of C or better <b>Course Description:</b> This course integrates outcomes into learning experiences, allowing students to demonstrate their knowledge and skills in financial services through projects and simulations. <b>Note: Successful completion of Personal Finance 1-2 (#8615-16) and Finance in the World of Work 3-4 (#8653-54) may meet the Economics graduation requirement.</b>
<b>FINANCIAL SERVICES INTERNSHIP</b> <b>COURSE #8657-58</b> <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 12 (students must be a minimum of age 16)	<b>Prerequisite:</b> Successful completion of Finance in the World of Work 3-4 with a grade of C or better <b>Course Description:</b> This course provides students with an opportunity to apply previously developed knowledge and skills into a structured work experience on campus or off site at a local business. Students spend at least five hours per week working in the internship and will earn 0.5 credits per semester. <b>Note: Students MUST provide their own transportation and insurance if working off site. Application forms and other paperwork must be submitted by April 15 of the student's junior year.</b>

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## ❖ Marketing, Management, and Entrepreneurship

Students will acquire technical skills as well as skills in critical thinking, applied academics, career development, and life management. There will be opportunities to learn business, economic and leadership skills required for entry into marketing, management, and entrepreneurial occupations. This program is designed and delivered as a coherent sequence of courses.

### Recommended Courses:

- Grade 9-11: Marketing Entrepreneurship 1-2
- Grade 10-12: Marketing & Economics 3-4
- Grade 11-12: Marketing 5-6
- Grade 12: Marketing Internship

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<b>MARKETING 1-2</b> <b>COURSE #8571-72</b> <b>Fee:</b> \$5.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 9-11	<b>Prerequisite:</b> None <b>Course Description:</b> This course is designed to give students opportunities to explore and understand marketing, management, and entrepreneurial principles. The first 20 common standards of the Marketing Program will be covered in this class. <b>Note: Dual Enrollment may be offered for this course.</b>
<b>MARKETING &amp; ECONOMICS 3-4</b> <b>COURSE #8573-74</b> <b>Fee:</b> \$5.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 10-12	<b>Prerequisite:</b> Successful completion of Marketing Entrepreneurship 1-2 with a grade of C or better <b>Course Description:</b> This year-long course is designed to prepare students for employment in various sales, customer service, advertising and promotion, and first-line supervisory positions in wholesale, retail, and service establishments. <b>Note: Successful completion of Marketing Entrepreneurship 1-2 (#8571-72) and Marketing &amp; Economics 3-4 (#8573-74) may meet the Economics graduation requirement.</b>

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**MARKETING 5-6**  
**COURSE #8575-76**  
**Fee:** \$5.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 11-12

**Prerequisite:** Successful completion of Marketing & Economics 3-4 with a grade of C or better  
**Course Description:** Students will learn complex marketing principles, practices, and issues while participating in a Student Based Enterprise. This course will cover study of marketing, policy, strategy, research, and segmentation as the students operate a student based enterprise. Students are required to join DECA, the Career & Technical Student Organization which will allow them to participate in academic competitive events on a regional, state, and national level. Community service projects are incorporated into curriculum for this course.

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**MARKETING INTERNSHIP**  
**COURSE #8577-78**  
**Course Length:** 2 semesters  
**Grade Level:** 12 (students must be a minimum of age 16)

**Prerequisite:** Successful completion of Marketing & Economics 3-4 with a grade of C or better  
**Course Description:** This course provides students with an opportunity to apply previously developed knowledge and skills into a structured work experience on campus or off site at a local business. Students spend at least five hours per week working in the internship and will earn 0.5 credit per semester.  
**Note: Students MUST provide their own transportation and insurance if working off site. Application forms and other paperwork must be submitted by April 15 of the student's junior year.**

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## EDUCATION AND TRAINING

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### ❖ Early Childhood Education

The Early Childhood Education program is designed to prepare students for employment in early childhood settings. The program includes instruction in child growth and development, child health, nutrition, safety, planning and supervision of developmentally appropriate play and learning activities. Child guidance, family relationships, parenting and applicable legal and administrative requirements are addressed, as well. Preparation for the development and management of effective early childhood programs and facilities is included.

Recommended Courses:

- Grades 9-11: Early Childhood 1-2
- Grades 10-12: Early Childhood 3-4
- Grade 12: Early Childhood Internship

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**EARLY CHILDHOOD 1-2**  
**COURSE #5560-61**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 9-11

**Prerequisite:** None  
**Course Description:** This is a year-long course designed to explore the physical, emotional, social and intellectual growth of children from the prenatal period to six years of age. It includes topics from the perspective of being a current/future parent and from the perspective of an early childhood professional. Units include: preparing for parenthood, prenatal development, labor and delivery, and child development. Students will explore care and safety issues of young children. The class may also include a six week session of playschool and/or an elementary school visit. This course prepares students for a career in early childhood education or other related careers.

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**EARLY CHILDHOOD 3-4**  
**COURSE #5570-71**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** Successful completion of Early Childhood 1-2 with a grade of C or better  
**Course Description:** This is an advanced course designed for students to gain specific information necessary for a successful career in early childhood education, such as childcare, teaching, nursing or any other career associated with children. Course participants will be familiar with the types of early childhood settings, creation of learning centers, and licensing and safety requirements for centers and personnel. They will also explore the legal and ethical aspects of working with young children. School-based learning experiences may include CPR training, an elementary school experience and a play school experience.

**Note: Dual Enrollment may be offered for this course.**

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**EARLY CHILDHOOD**  
**INTERNSHIP**  
**COURSE #5572-73**  
**Course Length:** 2 semesters  
**Grade Level:** 12 (students must be a minimum of age 16)

**Prerequisite:** Successful completion of Early Childhood 3-4 with a grade of C or better  
**Course Description:** This course provides students with an opportunity to apply previously developed knowledge and skills into a structured work experience on campus or off site at a local business. Students spend at least five hours per week working in the internship and will earn 0.5 credit per semester.  
**Note: Students MUST provide their own transportation and insurance if working off site. Application forms and other paperwork must be submitted by April 15 of the student's junior year.**

### ❖ Future Teacher Education

The program provides instruction in education career choices, education structure and systems, theory, pedagogy, developmental stages, learning styles and methodology. The program also provides interactive experiences with students at different age levels, in a variety of content areas in educational environments. The program utilizes a delivery system made up of four integral parts: formal/technical instruction, experiential/service-learning, supervised work-based learning and the student organization, FEA.

Recommended Courses:

- Grade 9-11: Early Childhood 1-2
- Grade 10-11: Future Teacher Education 1-2
- Grade 11-12: Future Teacher Education 3-4
- Grade 12: Future Teacher Education Internship

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<b>EARLY CHILDHOOD 1-2</b> <b>COURSE #5560-61</b> <b>Fee:</b> \$10.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 9-11	<b>Prerequisite:</b> None <b>Course Description:</b> This is a year-long course designed to explore the physical, emotional, social and intellectual growth of children from the prenatal period to six years of age. It includes topics from the perspective of being a current/future parent and from the perspective of an early childhood professional. Units include: preparing for parenthood, prenatal development, labor and delivery, and child development. Students will explore care and safety issues of young children. The class may also include a six week session of playschool and/or an elementary school visit. This course prepares students for a career in early childhood education or other related careers.
<b>FUTURE TEACHER 1-2</b> <b>COURSE #5501-02</b> <b>Fee:</b> \$10.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 10-11	<b>Prerequisite:</b> None <b>Course Description:</b> This course provides students interested in becoming teachers or coaches with instruction in education career choices, education structure and systems, legal and ethical responsibility of educators. Students will learn about the developmental stages of children and education theory.
<b>FUTURE TEACHER 3-4</b> <b>COURSE #5503-04</b> <b>Fee:</b> \$10.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 11-12	<b>Prerequisite:</b> Successful completion of Future Teacher 1-2 with a grade of C or better <b>Course Description:</b> This course prepares students to work in an educational environment. Students will interact with others while using equipment and technology to prepare and deliver lessons. Students will work in classrooms to prepare and present lessons. <b>Note: Dual Enrollment may be offered for this course.</b>
<b>FUTURE TEACHER INTERNSHIP</b> <b>COURSE #5505-06</b> <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 12 (students must be a minimum of age 16)	<b>Prerequisite:</b> Successful completion of Future Teacher 3-4 with a grade of C or better <b>Course Description:</b> This course provides students with an opportunity to apply previously developed knowledge and skills into a structured work experience on campus or off site at a local business. Students spend at least five hours per week working in the internship and will earn 0.5 credit per semester. <b>Note: Students MUST provide their own transportation and insurance if working off site. Application forms and other paperwork must be submitted by April 15 of the student's junior year.</b>

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## ENGINEERING SCIENCES AND INFORMATION/COMMUNICATIONS MEDIA TECHNOLOGIES

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### ❖ Digital Photography

This program prepares students to apply basic photographic principals in a digitally enhanced world through communications media.

Recommended Courses:

- Grades 10-11: Photography 1-2
- Grades 10-12: Photography 3-4
- Grade 12: Digital Photography Internship

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<b>PHOTOGRAPHY 1-2</b> <b>COURSE #3641-42</b> <b>Fee:</b> \$15.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 10-12	<b>Prerequisite:</b> None <b>Course Description:</b> This is a beginning level course in which students will learn camera function and photographic aesthetics. <b>Wet Lab:</b> Students learn the techniques of exposing black and white film, processing the film in the laboratory and producing black and white photographic prints. Equipment is provided. Students purchase black and white film and photo paper. <b>Digital Lab:</b> Students learn to store, edit, manipulate and print color and black and white photography. Students will be required to purchase a flash drive and photo paper. <b>Note: Location will dictate whether course is offered as a black and white, web lab photography course or a digital photography course. Students will be responsible for school equipment.</b> <b>Note: Fees cover photo chemicals, ink and essential paper only. Paper usage varies by student need and preference. Extra photo paper is available at an additional charge.</b>
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**PHOTOGRAPHY 3-4**  
**COURSE #3651-52**  
**Fee:** \$15.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 11-12

**Prerequisite:** Photography 1-2 or instructor approval  
**Course Description:** Advanced topics in photography may be investigated as a class and on an individual basis. **Wet Lab:** Students purchase black and white film and photo paper for course projects.  
**Digital Lab:** Students purchase flash drive and photo paper for course projects.  
**Note:** Location will dictate whether course is offered as a black and white, web lab photography course or a digital photography course. Students will be responsible for school equipment.  
**Note:** Fees cover photo chemicals, ink and essential paper only. Paper usage varies by student need and preference. Extra photo paper is available at an additional charge.

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### ❖ *Electronics Technology*

This program prepares students to apply basic engineering principles and technical skills in support of electrical, electronics and communication engineers.

Recommended Courses:

Grades 9-11: Electronics Technology 1-2  
Grades 10-12: Electronics Technology 3-4  
Grade 12: Electronics Internship

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**ELECTRONICS TECHNOLOGY 1-2 (WHS only)**  
**COURSE #6441-42**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 9-11

**Prerequisite:** Algebra 1  
**Course Description:** Arithmetic and basic algebra are used in explaining and solving problems related to electricity and electronics. Direct current, magnetism and electromagnetism, alternating current, linear electronic devices, circuits and systems are the primary topics. This course covers employability skills, safety, and technology skills. The virtual and actual labs will provide students with practical experience in constructing circuits from diagrams, identifying components, and using oscilloscopes, digital multi meters, power supplies and other test equipment. This course provides a solid foundation to pursue a career in electricity and electronics.

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**ELECTRONICS TECHNOLOGY 3-4 (WHS only)**  
**COURSE #6443-44**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** Successful completion of Electronics Technology 1-2 with a grade of C or better  
**Course Description:** This course is a continuation of the study of electronics started in Electronic Technology 1-2. It is a more in depth investigation of magnetism, direct and alternating current, as well as electronic components and devices. Students will assemble RC, RL and RCL circuits using various methods. Students will study the principles of digital electronics through the construction of logic gates and digital circuits. The students construct a simple robot and create both analog and digital circuits that control its actions. Other topics include careers, employability skills, and technology skills.

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**ELECTRONICS INTERNSHIP**  
**COURSE #6445-46**  
**Course Length:** 2 semesters  
**Grade Level:** 12 (students must be a minimum of age 16)

**Prerequisite or off site at a local business:** Successful completion of Electronics Technology 3-4 with a grade of C or better  
**Course Description:** This course provides students with an opportunity to apply previously developed knowledge and skills into a structured work experience on campus or off site at a local business. Students spend at least five hours per week working in the internship and will earn 0.5 credit per semester.  
**Note:** Students MUST provide their own transportation and insurance if working off site. Application forms and other paperwork must be submitted by April 15 of the student's junior year.

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### ❖ *Engineering Sciences*

The Engineering Sciences program is designed to develop student's understanding of engineering problem-solving and design practices. The program will prepare students to apply fundamental scientific and mathematical laws and principles relevant to engineering and technology. Students will learn to use systems of measurement, apply engineering technologies and tools as well as learn about the different disciplines and opportunities within the field of engineering. 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 and Technical Student Organization, SkillsUSA.

Recommended Courses:

Grade 10-12: Engineering 1-2  
Grade 11-12: Engineering 3-4  
Grade 12: Engineering Internship

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**ENGINEERING SCIENCES 1-2**  
**COURSE #6501-02**  
**Fee:** \$15.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 10-11

**Prerequisite:** None  
**Course description:** This course will teach the basics of engineering principles and systems, such as the engineering process, system analysis and control focusing on the application of mathematical laws and principles.

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**ENGINEERING SCIENCES 3-4  
COURSE #6503-04**  
**Fee:** \$15.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 11-12

**Prerequisite:** Successful completion of Engineering 1-2 with a grade of C or better  
**Course description:** Students will link the fundamentals of engineering theory to hands-on real world applications. Basic electrical, mechanical, environmental and industrial engineering concepts will be learned. This includes the use of machine tools, computer aided tools, and measurement systems.  
**Note: Dual Enrollment may be offered for this course.**  
**Note: May be repeated for credit.**

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**ENGINEERING SCIENCES  
INTERNSHIP  
COURSE #6505-06**  
**Course Length:** 2 semesters  
**Grade Level:** 12 (students must be a minimum of age 16)

**Prerequisite or off site at a local business:** Successful completion of Engineering 3-4 with a grade of C or better  
**Course Description:** This course provides students with an opportunity to apply previously developed knowledge and skills into a structured work experience on campus or off site at a local business. Students spend at least five hours per week working in the internship and will earn 0.5 credit per semester.  
**Note: Students MUST provide their own transportation and insurance if working off site.**  
**Application forms and other paperwork must be submitted by April 15 of the student's junior year.**

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### ❖ *Journalism*

This program prepares students to apply basic journalism principals in a digitally enhanced world through communications media with an emphasis in Yearbook Production.

Recommended Courses:

- Grades 10-11: Beginning Yearbook
- Grades 10-12: Yearbook Production
- Grade 12: Journalism Internship

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**BEGINNING YEARBOOK  
COURSE #3704-05**  
**Course Length:** 1 semester  
**Grade Level:** 9-12

**Prerequisite:** None  
**Course Description:** Students learn techniques of layout, copy writing, photography, etc. as applied to the publication of the school yearbook.

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**YEARBOOK PRODUCTION  
COURSE #3721-22**  
**Course Length:** 2 semesters  
(may be repeated for credit)  
**Grade Level:** 9-12

**Prerequisite:** Grade of C or better in English and/or Beginning Yearbook and/or instructor approval  
**Course Description:** Students are involved in the publication of the school's yearbook while learning and applying techniques of layout work, publications, and copy writing. Students are assigned to produce different sections of the yearbook including the academic departments, sports and clubs, faculty and staff, student sections, special events, and advertisements.  
**Note: Participation in after-school activities is required.**

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### ❖ *Information Technology*

The Information Technology program is designed to prepare students for employment related to the information technology industry. The program options are Webpage Design or Software Development (Programming). Students must enroll in year-long classes within the same option of this program to be considered as a prospective program concentrator. See recommended course sequence for specific course names.

- Software Development
- Webpage Design

Recommended Courses:

- Grade 9-11: Information Technology Fundamentals 1-2
- Grade 10-12: Programming 3-4 or Web Publishing 3-4
- Grade 12: Information Technology Internship

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**INFORMATION  
TECHNOLOGY  
FUNDAMENTALS 1-2  
COURSE #8911-12**  
**Fee:** \$5.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 9-11

**Prerequisite:** None  
**Course Description:** Students will use a variety of multimedia software to complete projects and tasks, covering the key elements of multimedia (graphics, sound, animation, video, etc.). Students will learn the common core standards for each of the two options in this class, and these will be incorporated into the multimedia projects. Students who successfully complete this course will choose one of the two program options to continue their program.  
**Note: Dual Enrollment may be offered for this course.**

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**PROGRAMMING 3-4  
COURSE #8923-24**  
**Fee:** \$5.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** Successful completion of Information Technology Fundamentals 1-2 with a grade of C or better  
**Course Description:** This course is an introduction to fundamental principles of computer science and algorithmic problem-solving. This course prepares students to apply software theory and programming methods to the solution of business data problems. It includes an exploration of contemporary topics in information technology.  
**Note: Dual Enrollment may be offered for this course.**

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**WEB PUBLISHING 3-4  
COURSE #8613-14**  
**Fee:** \$5.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** Successful completion of Information Technology Fundamentals 1-2 with a grade of C or better  
**Course Description:** This course is designed to prepare students with the technical knowledge and skills needed to build and maintain webpages.  
**Note:** Dual Enrollment may be offered for this course.

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**INFORMATION  
TECHNOLOGY INTERNSHIP  
COURSE #8618-19**  
**Course Length:** 2 semesters  
**Grade Level:** 12 (students must be a minimum of age 16)

**Prerequisite:** Successful completion of IT, Web Publishing 3-4, or IT, Programming 3-4 with a grade of C or better  
**Course Description:** This course provides students with an opportunity to apply previously developed knowledge and skills into a structured work experience on campus or off site at a local business. Students spend at least five hours per week working in the internship and will earn 0.5 credit per semester.  
**Note:** Students MUST provide their own transportation and insurance if working off site. Application forms and other paperwork must be submitted by April 15 of the student's junior year.

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## ***FAMILY & CONSUMER SCIENCES CAREER PREPARATION PROGRAMS***

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Students must successfully complete a sequence of course work within a program area to be considered as a prospective Program Concentrator.

- Culinary Arts
- Fashion Design & Merchandising

### ***❖ Culinary Arts***

Students successfully completing this program will be prepared to apply the technical knowledge and skills required for food production and service occupations in institutional and commercial food establishments. Skills developed in this program include: food identification, selection, and storage; safety and sanitation; personal hygiene; and use of commercial equipment. Nutrition, special diets, and management of food establishments will also be addressed.

Recommended Course Sequence for Culinary Arts:

- Grades 10-11: Culinary Basics 1-2
- Grade 11-12: Culinary Production 3-4
- Grade 11-12: Professional Chef 5-6
- Grade 12: Culinary Arts Internship

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**CULINARY BASICS 1-2  
COURSE #5541-42**  
**Fee:** \$15.00 first semester;  
\$20.00 second semester  
**Course Length:** 2 semesters  
**Grade Level:** 10-11

**Prerequisite:** None  
**Course Description:** This course is designed to apply basic food knowledge and skills required for more advanced food preparation. Students will have the opportunity to develop skills in specialized meal planning, preparation, and evaluation of food and flavors. This develops an appreciation of the importance of wellness, nutritional concepts and management. Students will have the opportunity to use technology to explore information on food, food preparation, and careers.

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**CULINARY PRODUCTION 3-4  
COURSE #5544-45**  
**Fee:** \$20.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 11-12

**Prerequisite:** Successful completion of Culinary Arts 1-2 with a grade of C or better  
**Course Description:** This course is designed to prepare students to apply technical knowledge and skills required for food production, services, and hospitality occupations in institutional and commercial food establishments. Students completing this course will possess the technical knowledge and skills required for menu planning, selecting, storing, purchasing, preparing, and serving quality food products. Safety and sanitation procedures, use of commercial equipment, and serving techniques will be included. Students will possess entry-level employability skills for employment in Hospitality Industry.

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**PROFESSIONAL CHEF 5-6  
COURSE #5548-49**  
**Fee:** \$20.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 11-12

**Prerequisite:** Successful completion of Culinary Arts 3-4 with a grade of C or better  
**Course Description:** This course is designed to prepare students to apply technical knowledge and skills required for food production, services, and hospitality occupations in institutional and commercial food establishments. Students completing this course will possess the technical knowledge and skills required for menu planning, selecting, storing, purchasing, preparing, and serving quality food products. Safety and sanitation procedures, use of commercial equipment, and serving techniques will be demonstrated through participation in school based enterprise. Students will possess entry-level employability skills for employment in Hospitality Industry.

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**CULINARY ARTS INTERNSHIP  
COURSE #5552-53**  
**Course Length:** 2 semesters  
**Grade Level:** 12 (students must be a minimum of age 16)

**Prerequisite:** Successful completion of Culinary Arts 3-4 with a grade of C or better  
**Course Description:** This course provides students with an opportunity to apply previously developed knowledge and skills into a structured work experience on campus or off site at a local business. Students spend at least five hours per week working in the internship and will earn 0.5 credit per semester.  
**Note:** Students MUST provide their own transportation and insurance if working off site. Application forms and other paperwork must be submitted by April 15 of the student's junior year.

### ❖ Fashion Design & Merchandising

Students successfully completing this program will be prepared for employment or advanced post-secondary coursework in apparel design and production, apparel manufacturing, apparel marketing and merchandising, and sales in the fashion industry. In addition to technical knowledge and skills, students completing this program will also develop advanced critical thinking, career development, applied academic, life and employability skills, basic business practices and leadership skills required for entry into fashion and merchandising occupations.

Recommended Courses:

- Grade 9-11: Fashion 1-2
- Grade 10-12: Fashion 3-4
- Grade 12: Fashion Internship

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**FASHION 1-2**  
**COURSE #5531-32**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 9-11

**Prerequisite:** None  
**Course Description:** Fashion 1-2 is the first year of a two-year Fashion Program. The course is designed to prepare students with knowledge and skills associated with apparel design, apparel production, as well as apparel selection, purchase, sales and merchandising. The course will help prepare students for employment in various entry level positions in the apparel industry. Students may have the opportunity to travel to Los Angeles, CA, to visit fashion businesses to experience real world fashion industry opportunities.

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**FASHION 3-4**  
**COURSE #5533-34**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 11-12

**Prerequisite:** Successful completion of Fashion 1-2 with a grade of C or better  
**Course Description:** This course is an extension of the skills and knowledge attained in Fashion 1-2. It is designed to prepare students to apply technical knowledge and skills for entry and intermediate level positions in the fashion industry and to pursue a degree in Fashion Design and Merchandising. This course emphasizes apparel design and construction, advanced illustration, draping, pattern making, computer assisted design, store operations and customer service. Students will also prepare a career and design portfolio, plan and prepare a fashion show featuring their own collections and participate in work-based learning. Students may have the opportunity to travel to Los Angeles, CA, to visit fashion businesses to experience real world fashion industry opportunities.

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**FASHION INTERNSHIP**  
**COURSE #5535-36**  
**Course Length:** 2 semesters  
**Grade Level:** 12 (students must be a minimum of age 16)

**Prerequisite:** Successful completion of Fashion 3-4 with a grade of C or better  
**Course Description:** This course provides students with an opportunity to apply previously developed knowledge and skills into a structured work experience on campus or off site at a local business. Students spend at least five hours per week working in the internship and will earn 0.5 credit per semester.

**Note: Students MUST provide their own transportation and insurance if working off site. Application forms and other paperwork must be submitted by April 15 of the student's junior year.**

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## HEALTH CAREERS EDUCATION

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### ❖ Bioscience Program

Bioscience is one of the fastest growing career fields both nationally and in Arizona. Students participating in this three-year program will be involved in project-based research using laboratory techniques consistent with the industry standards. Summer internships may be available for students.

Recommended Courses:

- Grade 10-11: Principles of Bioscience 1-2
- Grade 11-12: Bioscience Applications 3-4
- Grade 12: Bioscience Internship

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**PRINCIPLES OF BIOSCIENCE 1-2**  
**COURSE #8201-02**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 10-11

**Prerequisite:** Completion of General Biology 1-2 with a grade of C or better or concurrent enrollment in General Biology 1-2  
**Course Description:** Principles of Bioscience will introduce students to the diversity of careers and fundamentals of bioscience. Topics within this course will include a foundation in laboratory tools and skills, career exploration in bioscience, discussion of current research, and an emphasis on biochemistry and genetics. Students will learn the basic skills of being a bio technician and how to appropriately keep a scientific notebook. Students will also learn about ethics and the integral relationships it holds within the biosciences.

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**BIOSCIENCE APPLICATIONS 3-4**  
**COURSE #8203-04**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 11-12

**Prerequisite:** Successful completion of Principles of Bioscience 1-2 with a grade of C or better  
**Course Description:** Using the skills and concepts learned in Principles of Bioscience, students will cover agricultural biotechnology, medical biotechnology, and other concepts and techniques related to biosciences. The course will be heavily laboratory-based, and students will develop a variety of skills which include working both independently and cooperatively on projects. Students will apply concepts from both core classes of biology and chemistry will be applied in this course. Students will build on fundamental DNA analysis techniques established in Principals of Biosciences, learn and develop basic quality testing techniques currently used in the bioscience industry and continue personal development in maintaining a legal scientific notebook for research applications.

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**BIOSCIENCE INTERNSHIP  
COURSE #8205-06**  
**Course Length:** 2 semesters  
**Grade Level:** 12 (students  
must be a minimum of age 16)

**Prerequisite:** Successful completion of Bioscience Applications 3-4 with a grade of C or better  
**Course Description:** This course provides students with an opportunity to apply previously developed knowledge and skills into a structured work experience on campus or off site at a local business. Students spend at least five hours per week working in the internship and will earn 0.5 credit per semester.  
**Note: Students MUST provide their own transportation and insurance if working off site. Application forms and other paperwork must be submitted by April 15 of the student's junior year.**

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❖ *Sports Medicine Program*

Students participating in this program will perform the technical services involved with planning, organizing, researching, directing, and controlling functions and processes related to the provision of select health care services. The program consists of a sequence of courses.

Recommended Courses:

- Grade 10-11: Sports Medicine 1-2
- Grade 11-12: Sports Medicine 3-4
- Grade 12: Sports Medicine Internship

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**SPORTS MEDICINE 1-2  
COURSE #8122-23**  
**Fee:** \$5.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 10-11  
**Prerequisite:** None

**Course Description:** This course is designed for all students interested in health care careers such as athletic training, nursing, physical therapy, doctor, and many more. It covers an understanding of human anatomy and basic body functions along with medical terminology. Students will have an introduction to x-rays, treatments, evaluation, and rehabilitation of athletic injuries.

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**SPORTS MEDICINE 3-4  
COURSE #8124-25**  
**Fee:** \$15.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 11-12

**Prerequisite:** Successful completion of Sports Medicine 1-2 with a grade of C or better  
**Course description:** This course will cover a combination of classroom lectures, laboratory situations, and internships with the local high school sports teams, local hospitals, doctors and professional sports teams. This course will allow students to gain valuable experience in real world situations that face all medical professions on a daily basis.  
**Note: Dual Enrollment may be offered for this course.**  
**Note: May be repeated for credit.**

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**SPORTS MEDICINE  
INTERNSHIP  
COURSE #8126-27**  
**Course Length:** 2 semesters  
**Grade Level:** 12 (students  
must be a minimum of age 16)

**Prerequisite or off site at a local business:** Successful completion of Sports Medicine 3-4 with a grade of C or better  
**Course Description:** This course provides students with an opportunity to apply previously developed knowledge and skills into a structured work experience on campus or off site at a local business. Students spend at least five hours per week working in the internship and will earn 0.5 credit per semester.  
**Note: Students MUST provide their own transportation and insurance if working off site. Application forms and other paperwork must be submitted by April 15 of the student's junior year.**

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## INDUSTRIAL TECHNOLOGY PROGRAMS

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Students must successfully complete a sequence of course work within a program area to be considered as a prospective Program Concentrator.

- Transportation
- Construction
- Drafting & Design
- Welding

### ❖ *Automotive Technology*

The Transportation program is designed to prepare individuals for jobs in the maintenance and mechanical repair of cars and light trucks.

Recommended Courses:

- Grades 9-11: Automotive Technology Core 1-2
- Grades 10-12: Automotive Technology 3-4
- Grade 12: Automotive Technology Internship

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<b>AUTOMOTIVE TECHNOLOGY CORE 1-2 (TUHS only)</b> <b>COURSE #6211-12</b> <b>Fee:</b> \$10.00 per semester <b>Grade Length:</b> 2 semesters <b>Grade Level:</b> 9-11	<b>Prerequisite:</b> None <b>Course Description:</b> This course will introduce the student to standards in general automotive repairs, assessment and diagnostics. It is the prerequisite for Automotive Technology 3-4.
<b>AUTOMOTIVE TECHNOLOGY 3-4 (TUHS only)</b> <b>COURSE #6213-14</b> <b>Fee:</b> \$10.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 10-12	<b>Prerequisite:</b> Successful completion of Automotive Technology Core 1-2 with a grade of C or better <b>Course Description:</b> This course gives students an opportunity to apply the skills learned in the first automotive course. This course emphasizes diagnosis and repair of different automotive systems while building good work habits and employability skills. The course prepares students completing this program to continue their education in an automotive program at a community college, technical school or university. <b>Note: May be repeated for credit.</b>
<b>AUTOMOTIVE TECHNOLOGY INTERNSHIP</b> <b>COURSE #6215-16</b> <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 12 (students must be a minimum of age 16)	<b>Prerequisite:</b> Successful completion of Automotive Technology 3-4 with a grade of C or better <b>Course Description:</b> This course provides students with an opportunity to apply previously developed knowledge and skills into a structured work experience on campus or off site at a local business. Students spend at least five hours per week working in the internship and will earn 0.5 credit per semester. <b>Note: Students MUST provide their own transportation and insurance if working off site. Application forms and other paperwork must be submitted by April 15 of the student's junior year.</b>

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### ❖ *Construction*

The Construction Technologies program is designed to prepare individuals to apply technical knowledge and skills in the building industry, which include units of instruction in carpentry, electrical, masonry/brick laying, concrete finishing, HVAC and plumbing, floor systems, wall and ceiling framing, roof framing, site layout, exterior finish, cabinetry and roofing applications.

Recommended Courses:

- Grade 9-11: Construction Core 1-2
- Grades 10-12: Cabinetmaking 3-4 or Carpentry 3-4
- Grade 12: Construction Internship

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<b>CONSTRUCTION CORE 1-2 (WHS only)</b> <b>COURSE #6421-22</b> <b>Fee:</b> \$10.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 9-11	<b>Prerequisite:</b> None <b>Course Description:</b> This foundation course will prepare students to use a wide variety of construction tools and equipment and maintain a safe work environment. The student will develop an understanding of construction math, financial operations, reading blueprints, basic rigging and basic construction techniques. The student will develop skills in oral and written communication as they relate to the construction industry. This course is designed to help students develop an enhanced understanding of teamwork, employability skills and career opportunities in the construction field. At the end of this course, students may choose a class in either Cabinetmaking or Carpentry to complete the program course sequence.
<b>CABINETMAKING 3-4 (WHS only)</b> <b>COURSE #6491-92</b> <b>Fee:</b> \$10.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 10-12	<b>Prerequisite:</b> Successful completion of Construction Core 1-2 with a grade of C or better <b>Course Description:</b> This course prepares the student to apply and demonstrate advanced technical knowledge and skills in construction. This lab-based course will provide the student an opportunity to participate in the planning, design and completion of project-based activities. This course allows students to apply advanced technical knowledge and practice skills using a variety of techniques and equipment to complete cabinetmaking projects.

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**CARPENTRY 3-4 (WHS only)**  
**COURSE #6493-94**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** Successful completion of Construction Core 1-2 with a grade of C or better  
**Course Description:** This course prepares students to apply and demonstrate the technical skills used to layout, cut, fabricate, erect, install and repair wooden structures and fixtures using hand and power tools. The class includes instruction in technical mathematics, framing, identification and selection of construction materials, job estimating, blueprint reading, laying foundations and roughing-in, finish carpentry techniques, and familiarization with applicable codes and standards.

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**CONSTRUCTION INTERNSHIP**  
**COURSE #6495-96**  
**Course Length:** 2 semesters  
**Grade Level:** 12 (students must be a minimum of age 16)

**Prerequisite or off site at a local business:** Successful completion of Cabinetmaking 1-2 or Carpentry 3-4 with a grade of C or better  
**Course Description:** This course provides students with an opportunity to apply previously developed knowledge and skills into a structured work experience on campus or off site at a local business. Students spend at least five hours per week working in the internship and will earn 0.5 credit per semester.

**Note: Students MUST provide their own transportation and insurance if working off site. Application forms and other paperwork must be submitted by April 15 of the student's junior year.**

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### ❖ *Architectural Drafting*

Students successfully completing this program will be prepared to apply technical skills to create working drawings and computer simulations for a variety of applications. These applications include: instruction in specification interpretations, dimensioning techniques, drafting calculations, material estimation, technical communications, computer applications and interpersonal communications. Instruction also includes computer assisted design and drafting to create two-dimensional and three-dimensional engineering designs.

Recommended Courses:

Grade 9-11: Drafting Concepts 1-2  
Grades 10-12: Drafting, Architectural 3-4  
Grade 12: Drafting Internship

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**ARCHITECTURAL DRAFTING 1-2**  
**COURSE #6431-32**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 9-11

**Prerequisite:** None  
**Course Description:** This course will offer a comprehensive look at communication using mechanical drawings and designs. Students will learn basic drafting skills using both board and computer assisted design techniques.

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**ARCHITECTURAL DRAFTING 3-4**  
**COURSE #6433-34**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** Successful completion of Drafting Concepts 1-2 with a grade of C or better  
**Course Description:** Students in this course will complete projects in architectural design utilizing CAD. This course includes activities in technical illustration and engineering.  
**Note: Dual Enrollment may be offered for this course.**

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**ARCHITECTURAL DRAFTING INTERNSHIP**  
**COURSE #6435-36**  
**Course Length:** 2 semesters  
**Grade Level:** 12 (students must be a minimum of age 16)

**Prerequisite or off site at a local business:** Successful completion of Drafting, Architectural 3-4 with a grade of C or better  
**Course Description:** This course provides students with an opportunity to apply previously developed knowledge and skills into a structured work experience on campus or off site at a local business. Students spend at least five hours per week working in the internship and will earn 0.5 credit per semester.  
**Note: Students MUST provide their own transportation and insurance if working off site. Application forms and other paperwork must be submitted by April 15 of the student's junior year.**

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### ❖ *Welding*

Students successfully completing this program will be prepared to apply the technical knowledge and skills to join or cut metal surfaces. Included is instruction in arc welding, soldering and cutting metal according to applicable codes and standards. After completing the course sequence, students will be ready for entry level positions in the welding industry or continuing education in the field.

Recommended Courses:

Grades 9-11: Welding Technology 1-2  
Grades 10-12: Welding Technology 3-4  
Grade 12: Welding Technology 5-6, or Welding Internship

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**WELDING TECHNOLOGY 1-2 (WHS only)**  
**COURSE #6481-82**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 9-11

**Prerequisite:** None  
**Course Description:** This course provides the student with an overview of the welding industry, stressing design, materials estimation, working drawings and safe equipment usage. It emphasizes reading, writing and math skills along with career awareness.  
**Note: Dual Enrollment may be offered for this course.**

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**WELDING TECHNOLOGY 3-4  
(WHS only)  
COURSE #6483-84  
Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** Successful completion of Welding Technology 1-2 with a grade of C or better  
**Course Description:** This second level course provides the student a focused experience with welding technology. This course covers safety, design, project construction, advanced weld practice, and analysis of weld techniques. Students work cooperatively in the following areas: oxy-fuel welding, stick welding, MIG welding, TIG welding principals, plasma arc cutting, and fabrication techniques. Completion of this course will enable the student to be a welding program completer which may allow for further employment placement and/or intern opportunities. The mechanical application portion of this program is appropriate for those students seeking careers in the engineering related fields.  
**Note: Dual Enrollment may be offered for this course.**

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**WELDING TECHNOLOGY 5-6  
(WHS only)  
COURSE #6485-86  
Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 11-12

**Prerequisite:** Successful completion of Welding Technology 3-4 with a grade of C or better  
**Course Description:** This third level course is designed to apply welding technology knowledge and skills to a mastery level. Students will have the opportunity to develop skills in independent project construction involving welding fabrication, bench work, machine tool operations, and advanced process operations. Students will take a leadership role in the class and utilize their talents to problem solving issues with machinery and lab assistance.  
**Note: Dual Enrollment may be offered for this course.**

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**WELDING INTERNSHIP  
COURSE #6487-88  
Course Length:** 2 semesters  
**Grade Level:** 12 (students must be a minimum of age 16)

**Prerequisite or off site at a local business:** Successful completion of Welding Technology 3-4 with a grade of C or better  
**Course Description:** This course provides students with an opportunity to apply previously developed knowledge and skills into a structured work experience on campus or off site at a local business. Students spend at least five hours per week working in the internship and will earn 0.5 credit per semester.  
**Note: Students MUST provide their own transportation and insurance if working off site.  
Application forms and other paperwork must be submitted by April 15 of the student's junior year.**

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**West-MEC**  
*West-MEC CENTRAL PROGRAMS*

**Entrance requirements for West-MEC Central Programs can be found at: [www.west-mec.org](http://www.west-mec.org)**

❖ *Aesthetician Program*

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

<b>AESTHETICIAN FOUNDATIONS</b> <b>COURSE #AE101/6000</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 2.25	<b>Prerequisite:</b> Junior or Senior Status Only <b>Course Description:</b> AE101 is the first course of the one-year Aesthetician program, offered to high school juniors and seniors. The course provides students a foundation in the skin care and beauty-related industry. Students will learn to perform facials, skin analysis, and body treatments, including full body exfoliation. Students will also learn hair removal techniques using both hard and soft wax, light exfoliation with fruit acids (peels), and microdermabrasion. Training includes day and evening makeup and false eyelash application.
<b>AESTHETICIAN SERVICES</b> <b>COURSE #AE102/6001</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 2.25	<b>Prerequisite:</b> AE101 Aesthetician Foundations <b>Course Description:</b> AE102 is the second course of the one-year program. The course allows students to apply learned skills in skin care and beauty-related services. Emphasis is placed on the application of skills necessary for establishing and maintaining a clientele. Topics also include knowledge of State laws pertaining to aesthetics, as well as business management skills. Upon completion of this program you will be prepared to pass the Arizona State Board of Cosmetology aesthetics licensing exam.

❖ *Automotive Collision Industries*

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

<b>AUTOMOTIVE COLLISION CORE CURRICULUM</b> <b>COURSE #AC101/6221</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 1.5	<b>Prerequisite:</b> Junior or Senior Status Only <b>Course Description:</b> AC101 is the first course of a two-year automotive collision repair program offered to junior and senior students. This course teaches the basic principles and terminology of the auto body repair industry. This course includes hands-on repair of body damage including: metal work, trim and basic painting, estimating job costs, types of metals and plastic, industry safety components, structural analysis, suspension and drive trains, computer diagnostic systems, and welding used in collision repair. Upon completion of the two-year program, students may test for I-Car Industry Certification.
<b>AUTOMOTIVE COLLISION REPAIR</b> <b>COURSE #AC102/6222</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 1.5	<b>Prerequisite:</b> Automotive Collision Core Curriculum <b>Course Description:</b> AC102 is the second course of a two-year automotive collision repair program offered to junior and senior students. This course covers auto refinishing and minor bodywork. Students will learn advanced principles of auto body painting and refinishing including: surface preparation, spray gun operation, paint mixing, matching and applying, solving paint application problems, finish defect causes and cures, and safety precautions. Students will use all types of automotive paints and undercoats; some custom design paintwork is taught. This course also teaches estimating costs, types of metals and plastics used for reconstruction, safety practices, advanced structural analysis, computer diagnostic systems, welding, as well as customer service and basic business practices. Upon completion of the two-year program, students may test for I-Car Industry Certification.
<b>AUTOMOTIVE COLLISION STRUCTURAL REPAIR</b> <b>COURSE #AC201/6223</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 1.5	<b>Prerequisite:</b> AC102 - Automotive Collision Repair <b>Course Description:</b> This course starts the second year of the two-year automotive collision program which continues to cover principles and terminology of the auto body repair industry. The curriculum reiterates safety, career opportunities, workplace skills and ethics, and includes more advanced principles of structural damage analysis including major body and frame repair, mechanical and electrical repair, suspension and drive trains, computer diagnostic systems, estimating cost factors and glass repair. Upon completion of the two-year program, students may test for I-Car Industry Certification.
<b>AUTOMOTIVE COLLISION ADVANCED PAINTING TECHNIQUES</b> <b>COURSE #AC202/6224</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 1.5	<b>Prerequisite:</b> AC201 - Automotive Collision Structural Repair <b>Course Description:</b> This is the final course in the two-year automotive collision industries program. The course allows students to apply learned skills in the area of collision repair with extensive hands-on custom painting and tinting, matching paints, fancy detailing and troubleshooting painting problems. Upon completion of the two-year program, students may test for I-Car Industry Certification.

❖ *Automotive Technology*

The Automotive Technology program meets two and a half hours per day, Monday through Friday at Ironwood High School, 6051 West Sweetwater Avenue, Glendale, 85304 (59th Ave. & Sweetwater).

<p><b>AUTOMOTIVE TECHNOLOGIES CORE CURRICULUM</b>  <b>COURSE #AT101/6225</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 1.5</p>	<p><b>Prerequisite:</b> Junior Status Only  <b>Course Description:</b> AT101 is the first course in a two-year automotive technology program, offered to junior students through a partnership with West-MEC (Western Maricopa Education Center). The course focuses student learning on automobile engine performance, brakes, steering and suspension, and electrical components.</p>
<p><b>AUTOMOTIVE TECHNOLOGIES I</b>  <b>COURSE #AT102/6226</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 1.5</p>	<p><b>Prerequisite:</b> Automotive Technology Core Curriculum  <b>Course Description:</b> AT102 is the second course in the automotive technology program. The course allows students to apply learned skills in the area of automobile engine performance, brakes, steering and suspension, and electrical components.</p>
<p><b>AUTOMOTIVE TECHNOLOGIES II</b>  <b>COURSE #AT201/6227</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 1.5</p>	<p><b>Prerequisite:</b> Completed first year of Automotive Technology  <b>Course Description:</b> AT201 starts the second year of the two-year automotive technology program. The program teaches students automobile engine performance, brakes, steering and suspension, and electrical components.</p>
<p><b>AUTOMOTIVE TECHNOLOGIES ADVANCED SYSTEMS</b>  <b>COURSE #AT202/6228</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 1.5</p>	<p><b>Prerequisite:</b> Automotive Technologies II  <b>Course Description:</b> AT202 is the final course in the automotive technology program. The course allows students to apply learned skills in the area of automobile engine performance, brakes, steering and suspension, and electrical components.</p> <p><b>* Upon completion of the two-year program, students may take the NATEF ASE Certification Exam.</b></p>
<p><b>AUTOMOTIVE TECHNOLOGIES INTERNSHIP 1</b>  <b>COURSE #AT203/6229</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credit:</b> 1</p>	<p><b>Prerequisite:</b> AT202 Automotive Technologies II  <b>Course Description:</b> This course is a coordinated occupational employment approach to teaching and practicing the concepts in the automotive industry. This course helps the student to practice and improve employability skills in the industry. Students will receive classroom instruction to better prepare them for job seeking and interviewing opportunities with the goal of obtaining employment outside of the school day where they will complete a minimum of 123 hours to receive 1 high school credit. This work experience will assist them in obtaining the required 2 years of employment experience to satisfy ASE certification requirements.</p>

❖ *Aviation Technology*

The Aviation program meets four and a half hours per day, Monday through Friday at Glendale Airport (corner of Glendale Ave. and Glen Harbor Blvd.), Glendale, AZ. The program will also meet for sixty-two days spread over two summers to meet the 1952 hours of required FAA instruction.

<p><b>AVIATION TECHNOLOGIES GENERAL CURRICULUM</b>  <b>COURSE #AV101/6300</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 3</p>	<p><b>Prerequisite:</b> Junior Status Only  <b>Course Description:</b> AV101 is the first course of a two-year Aviation Technology program, offered to junior students through a partnership with West-MEC (Western Maricopa Education Center). The program curriculum includes content in the repair and maintenance of aircraft including the following: electricity, math, physics, mechanic privileges and limitations, maintenance publication, maintenance forms and records, weight and balance.</p>
<p><b>AVIATION AIRFRAME SYSTEMS I</b>  <b>COURSE #AV102/6301</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 2</p>	<p><b>Prerequisite:</b> Aviation Technologies General Curriculum  <b>Course Description:</b> AV102 completes the first year of the Aviation Technology program. Students are introduced to fundamental skills in aircraft repair and maintenance including: aircraft instruments, aircraft fuel systems, fire protection systems, ice and rain control systems, aircraft finishes, sheet metal, landing gears, and hydraulics.</p>
<p><b>AVIATION AIRFRAME &amp; POWER PLANT SUMMER</b>  <b>COURSE #AV103/6302</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credit:</b> 1</p>	<p><b>Prerequisite:</b> Aviation Airframe Systems I  <b>Course Description:</b> Students will continue to refine fundamental skills introduced in Aviation Airframe Systems I and begin learning about Power Plant Systems.</p>



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**AVIATION AIRFRAME SYSTEMS II**  
**COURSE #AV201/6303**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 3

**Prerequisite:** Aviation Airframe & Power Plant Summer  
**Course Description:** AV201 starts the second year of the Aviation Technology program. The program curriculum includes content in the repair and maintenance of aircraft including the following: Welding, Cabin Atmosphere Control Systems, Airframe Inspection, and Assembly and Rigging.

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**AVIATION POWER PLANT 1 SYSTEMS**  
**COURSE #AV202/6304**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 3

**Prerequisite:** Aviation Airframe & Power Plant Summer  
**Course Description:** AV202 is the final course of the Aviation Technology program. The program curriculum includes content in the repair and maintenance of aircraft including the following: Turbine and Reciprocating Engines, Engine Inspection, Ignition and Starting Systems, and Fuel Metering Systems.

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

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### ❖ *Avionics/Electronics*

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

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**AVIONICS TECHNOLOGY FUNDAMENTALS I**  
**COURSE # ET101/6305**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 1.5

**Prerequisite:** None  
**Course Description:** This is the first course in a series of four. The course will cover the following areas: aviation fundamentals, basic electricity/electronics, safety, ac/dc theory, semi-conductors, and instrumentation, tools of the trade and math and science for avionics.

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**AVIONICS TECHNOLOGY FUNDAMENTALS II**  
**COURSE # ET102/6306**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 1.5

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

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**AVIONICS TECHNOLOGY SERVICES I**  
**COURSE # ET201/6307**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 1.5

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

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**AVIONICS TECHNOLOGY SERVICES II**  
**COURSE #AV202/6308**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 1.5

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

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### ❖ *Climate Control Technician*

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

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**HVACR FUNDAMENTALS I**  
**COURSE #HVD101/5900**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 1.5

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

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**HVACR FUNDAMENTALS II**  
**COURSE #HVD102/5901**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 1.5

**Prerequisite:** HVD101 - HVACR Fundamentals I  
**Course Description:** This is the second course in a series of four. The course will cover the following: commercial air systems, chimneys, flues, hydronic systems, air quality, leak detection, recovery and charging, basic electronics, control circuit troubleshooting, troubleshooting gas heating and cooling, heat pumps, basic installation and maintenance practices and duct systems.

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<b>HVACR TECHNICIAN I</b> <b>COURSE #HVD201</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 1.5	<b>Prerequisite:</b> HVD102 - HVACR Fundamentals II <b>Course Description:</b> This is the third course in a series of four. This course will cover the following: refrigerants and oils, compressors, metering devices, retail refrigeration systems, commercial hydronics, steam systems, planned maintenance, water treatment, troubleshooting electronic controls, oil heating, and heat pumps.
<b>HVACR TECHNICIAN II</b> <b>COURSE #HVD202</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 1.5	<b>Prerequisite:</b> HVD201 - HVACR Technician I <b>Course Description:</b> This is the fourth course in the series. This course will cover the following: construction drawings and specification, air system balancing, indoor air quality, building management systems, system startup and shut down, system design, commercial and industrial refrigeration systems.

❖ *Coding*

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

<b>SURVEY OF CODING</b> <b>COURSE # C101</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 1.5	<b>Prerequisite:</b> Junior or Senior Status Only <b>Course Description:</b> C101 is the first course of the two-year Coding program, offered to high school juniors and seniors. The course provides students a foundation in the software development industry. Students will learn the fundamentals of software development systems, computer concepts, and programming techniques. Hands-on experience with selected industry software and programming languages such as: Java, C#, Python, HTML, Javascript and CSS. Students will apply skills and knowledge to develop apps for mobile devices.
<b>CODING FUNDAMENTALS I</b> <b>COURSE # C102</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 1.5	<b>Prerequisite:</b> HVD101 – C101 - Survey Of Coding <b>Course Description:</b> C102 is the second course of the two-year Coding program. Students will learn fundamental concepts of programming from an object-oriented perspective. These concepts include: classes, objects and methods, algorithm development, problem-solving techniques, basic control structures, primitive types and arrays. Students will apply skills and knowledge to develop apps for mobile devices and computers.
<b>CODING FUNDAMENTALS II</b> <b>COURSE # C201</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 1.5	<b>Prerequisite:</b> C102 - Coding Fundamentals I <b>Course Description:</b> C201 is the third course of the two-year Coding program. Students will learn advanced object-oriented programming concepts introduced in C102 such as: inheritance, exceptions, and graphical user interfaces, recursion, and data structures. Students will apply skills and knowledge to develop apps for mobile devices and computers.
<b>CODING APPLICATIONS</b> <b>COURSE # C202</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 1.5	<b>Prerequisite:</b> C201 – Coding Fundamentals II <b>Course Description:</b> This is the fourth course of the two-year Coding program. The course allows students to apply learned skills in software development. Emphasis is placed on exploring coding applications across the software development industry. Students will build on the skills and knowledge acquired in the previous courses. Students will apply skills and knowledge to develop apps for mobile devices and computers.

❖ *Cosmetology*

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

<b>FUNDAMENTALS OF</b> <b>COSMETOLOGY</b> <b>COURSE #COS101/6310</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 3	<b>Prerequisite:</b> Junior or Senior Status Only <b>Course Description:</b> This fundamentals course provides junior and senior students with the knowledge needed to succeed in a Cosmetology and Aesthetics program. Topics include ethics, sanitation, Arizona state laws, and other fundamentals of the modern salon. As students begin training, they will explore the history of cosmetology, gain an understanding of the industry's expectations for image, communication, sanitation, and general life skills. Students will identify basic anatomy and physiology structures, including skin, nails, muscles, bones, hair, and scalp. Students will be introduced to cosmetology-related chemistry and electricity, practice basic shampooing and scalp treatments, hair cutting, nail care, basic aesthetic procedures, disinfection control practices, and styling techniques, including blow drying, finger waving, air waving, hair pressing, and thermal waving and curling. Students will begin to work with hair color, tint, and bleach, along with permanent waving and chemical relaxing processes. Practice will be limited to mannequins, other students, or models.
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**COSMETOLOGY BASIC APPLICATIONS**  
**COURSE #COS102/6311**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 3

**Prerequisite:** COS101 Fundamentals of Cosmetology  
**Course Description:** Building on the skills and knowledge acquired in the previous course, students will apply chemical texture services, wig and hair enhancements, braids, extensions, permanent waving, hair relaxing, tinting, bleaching, and basic hair coloring procedures. Students will recognize various skin diseases and disorders, along with the theory of aesthetics, which includes knowledge of facial procedures including make-up application and waxing. Additionally, students will be introduced to nail diseases and disorders. Students will gain knowledge of manicure and pedicure practices and procedures, along with gaining experience with sculptured nails, gel nails, and nail tips with overlays. Students will continue practicing their skills on mannequins, students, models, and students will be introduced to working on clients.

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**COSMETOLOGY ADVANCED APPLICATIONS**  
**COURSE #COS201/6312**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 3

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

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**PRACTICUM & CERTIFICATION PREP**  
**COURSE #COS202/6313**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 3

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

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### ❖ *Emergency Medical Technician (EMT)*

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

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**FUNDAMENTALS OF EMT**  
**COURSE #EM101A/6335**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** .5

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

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**ADVANCED APPLICATIONS OF EMT**  
**COURSE #EM101B/6336**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 1

**Prerequisite:** EM101 A Fundamentals of EMT  
**Course Description:** EM101B, the second section of the EMT course, presents techniques of emergency medical care in accordance with national and state curriculum. The class encompasses the study of the human body, patient assessment, treatment of medically or traumatically compromised patients, special hazards, and medical operations. Further topics include IV monitoring, Sudden Infant Death Syndrome (SIDS), patient-assisted medication administration, automated external defibrillators, and blood-glucose monitoring. Students participate in two eight-hour clinical rotations through a local emergency department scheduled during the semester outside normal class hours.

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

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❖ *Fire Science*

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

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

<b>INTRODUCTION TO FIRE PROTECTION</b> <b>COURSE #FS101/6336</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> .25	<b>Prerequisite:</b> Junior or Senior Status Only <b>Course Description:</b> FS101 presents a history and evaluation of the fire department organization. Junior and senior students learn the role of the fire service in the community. Students study responsibilities of the fire administrator including organization, departmental functions, interdepartmental relationships, management of buildings and equipment, and techniques of fire-fighting. In addition, students learn emergency medical services and fire prevention.
<b>INTRODUCTION TO FIRE SUPPRESSION</b> <b>COURSE #FS102/6337</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> .25	<b>Prerequisite:</b> FS101 Introduction to Fire Protection <b>Course Description:</b> FS102 examines characteristics and behavior of fire, fire hazard properties of ordinary materials, extinguishing agents, fire suppression organization and equipment, basic firefighting tactics, and public relations as affected by fire suppression.
<b>HAZARDOUS MATERIALS/FIRST RESPONDER</b> <b>COURSE #FS103/6338</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> .5	<b>Prerequisite:</b> FS102 Hazardous Materials/First Responder <b>Course Description:</b> FS103 teaches students the basic methods of recognition and identification based on chemical and physical properties of hazardous materials; basic safety procedures when utilizing specific types of protective clothing and equipment; basic tactical information relating to scene management. Students will study confined space operations in accordance with the National Fire Protection Agency.
<b>SPECIAL PROJECTS COURSE</b> <b>Course #FS104/6339</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> .5	<b>Prerequisite:</b> West-MEC Students Only <b>Course Description:</b> FS104 is the unique capstone project class that is organized and tailored around the interests and needs of the individual student. The course is structured to provide an atmosphere of individualized research and study paralleled by professional expertise and guidance. Professional type facilities and equipment will be available to students. The capstone experience allows the best aspects of independent study and individualized learning to be combined to maximize student development.

❖ *General Construction Technology*

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

<b>GENERAL CONSTRUCTION I</b> <b>COURSE #GC101</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 1.5	<b>Course Description:</b> This is the first in a series of four courses. Technology I will cover the core curriculum of, construction drawings, basic electricity, safety, power and hand tools, math, estimating skills rigging and business concepts. 225 hours
<b>GENERAL CONSTRUCTION II</b> <b>COURSE #GC102</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 1.5	<b>Prerequisite:</b> GC101 - Construction I <b>Course Description:</b> This the second course in a series of four. This course includes flooring, roof systems, stairs walls, ceiling systems, and exterior finishes (concrete) 225 hours
<b>GENERAL CONSTRUCTION III</b> <b>COURSE #GC201</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 1.5	<b>Prerequisite:</b> GC102 - Construction II <b>Course Description:</b> This is the third course in a series of four. Construction III covers advanced work in the major content in Construction Technology one and two. New Emphasis will be placed on Carpentry.
<b>GENERAL CONSTRUCTION IV</b> <b>COURSE #GC202</b> <b>Tuition Fee:</b> Yes <b>Application Required</b> <b>High School Credits:</b> 1.5	<b>Prerequisite:</b> GC201 - Construction III <b>Course Description:</b> This is the final course in a series of four. The content will concentrate on fine tuning the major skills learned in the first three courses and add residential electrical and plumbing. A final building project will be included as well as an opportunity to job shadow or intern.

❖ *Medical Assistant*

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

<p><b>MEDICAL ASSISTANT FOUNDATIONS I</b>  <b>COURSE #MA101/6002</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 1.5</p>	<p><b>Prerequisite:</b> Junior Status Only  <b>Course Description:</b> MA101 is the first course of the two-year Medical Assistant program, offered to high school juniors. The course provides students a foundation in the allied health services, including administrative/clinical skills, medical ethics, HIPAA, consent forms, structure of medical words, medical abbreviations, identify acronyms/symbols, patient scenarios, cells/tissues/organs/body systems, disease process, OSHA standards, hand washing, medical asepsis, vital signs, body temperature, pulse, respiration and prepare patient for physical exam.</p>
<p><b>MEDICAL ASSISTANT FOUNDATIONS II</b>  <b>Course #MA102/6003</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 1.5</p>	<p><b>Prerequisite:</b> MA101 Medical Assistant Foundations I  <b>Course Description:</b> MA102 is the second course of the two-year program. The course allows students to apply learned skills in allied health services. Emphasis will be placed on ledgers/record, patient itemized monthly statements, insurance cIState Regulated Assessment, procedural/diagnostic coding, insurance forms, insurance benefits, prior authorizations for medical services, diagnostic testing, clinic front office duties, electronic medical records, patient data collection, inventory control, patient charts, alphabetical/numerical filings, medical records and business correspondence, including schedules/appointments/referrals.</p>
<p><b>MEDICAL ASSISTING SERVICES I</b>  <b>COURSE #MA201/6004</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 1.5</p>	<p><b>Prerequisite:</b> Completed first year of Medical Assistant Program  <b>Course Description:</b> MA201 starts the second year of the two-year medical assistant program. A high degree of knowledge and skill is necessary for this course. Subjects covered include medical record components, chart procedures, disease prevention techniques, waste management, sanitize/disinfect instruments, wrap instruments for autoclave, standard precautions, infection control, microbes classification, prepare treatment room, patient history/assessment, height/weight/head circumference, healthcare, EKGs &amp; artifacts, holter monitor, spirometry, instruments, sterile pack, prepare patient for minor surgery, apply sterile gloves, sterile dressing change, suture removal, heat/cold applications, therapeutic ultrasound and casting applications - splints/crutches/canes/walkers/wheelchairs.</p>
<p><b>MEDICAL ASSISTING SERVICES II</b>  <b>COURSE #MA202/6005</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 1.5</p>	<p><b>Prerequisite:</b> MA201 Medical Assisting Services I  <b>Course Description:</b> This final course of the two-year medical assistant program prepares students for college and career opportunities in the allied health services industry. Students are provided additional work-based learning opportunities in the area of drug classifications, common side effects, medication &amp; immunization records, seven rights of medication administration, drug administration, writing prescriptions, diagnostic testing, lab safety procedures, urinalysis, blood components, skin puncture, culture preparation, throat culture specimen, microscope use, professional attributes, job readiness skills, interview skills, resumes and clinical internship.</p>

❖ *Medical Information Systems*

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

<p><b>MEDICAL INFORMATION SYSTEMS I</b>  <b>COURSE # MIS101</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 1.5</p>	<p><b>Course Description:</b> MIS101 is the first course of a one-year Medical Information Systems program offered to high school seniors. The course provides an overview of the medical model of healthcare and delivery in the U.S., public policy, professional roles, legal and regulatory issues, the Electronic Health Record (EHR), applicable computer systems, and current health reform initiatives in the U.S. The curriculum promotes competencies in health insurance and medical billing, health insurance contracts, claims processing, medical terminology, abbreviations and symbols, diagnostic and procedural coding, client eligibility and reimbursement processing.</p>
<p><b>MEDICAL INFORMATION SYSTEMS II</b>  <b>COURSE # MIS102</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 1.5</p>	<p><b>Prerequisite:</b> MIS101 Medical Information Systems I  <b>Course Description:</b> MIS102 is the second course of a one-year program. The course allows students to apply health data management systems in a clinical setting including: functions, content and structure of the health record, electronic collection, storage and analysis, healthcare data sets and applications in health information technology. Students acquire principles of medical quality assurance including: application of the International Classification of Diseases (ICD) coding system and the Healthcare Common Procedure Coding System (HCPCS), HIPAA regulations, organizational models, technologies and planning for a professional career in health care.</p>

❖ *Medium/Heavy Diesel Technology*

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

<p><b>DIESEL ENGINE CORE CURRICULUM</b>  <b>COURSE #MHD101/6231</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 1.5</p>	<p><b>Prerequisite:</b> Junior Status Only  <b>Course Description:</b> MHD101 is the first course of the two-year medium heavy diesel technology program, offered to junior students through a partnership with West-MEC (Western Maricopa Education Center). The course introduces diesel engine repair and maintenance, brakes, suspension and steering, electrical components and hydraulics.</p>
<p><b>DIESEL ENGINE MAINTENANCE</b>  <b>COURSE #MHD102/6232</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 1.5</p>	<p><b>Prerequisite:</b> MHD101 Diesel Engine Core Curriculum  <b>Course Description:</b> MHD102 is the second course of the two-year medium heavy diesel technology program. The course allows students to apply learned skills in the maintenance and repair of diesel engines, brakes, suspension and steering, electrical components and hydraulics. Emphasis will be placed on diagnosis and actual repair of these systems. In addition, students are prepared for job shadowing and internship experiences.</p>
<p><b>DIESEL ELECTRIC/ELECTRONIC SYSTEMS</b>  <b>COURSE #MHD201/6233</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 1.5</p>	<p><b>Prerequisite:</b> MHD102 Completed first year of Medium Heavy Diesel Technology  <b>Course Description:</b> MHD201 starts the second year of the two-year medium heavy diesel technology program. A high degree of knowledge and skill is necessary for this course. Subjects covered include safety, tools, diesel engines, suspension and steering, brakes, electrical/electronic systems, preventative maintenance inspections, hydraulics, and Career and Technical Student Organizations (SkillsUSA). This course may extend beyond the regular school day due to internships.</p>
<p><b>DIESEL ADVANCED TECHNOLOGIES</b>  <b>COURSE #MHD202/6234</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 1.5</p>	<p><b>Prerequisite:</b> MHD201 Diesel Electric/Electronic Systems  <b>Course Description:</b> This final course of the two-year medium heavy diesel technology program prepares students for the Automotive Service Excellence (ASE) certification exam. Students are provided additional work-based learning opportunities in the area of the maintenance and repair of diesel engines, brakes, suspension and steering, electrical components and hydraulics.</p> <p><b>* Upon completion of the two-year program, students may take the ASE Certification Exam.</b></p>

❖ *Pharmacy Technician*

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

<p><b>PHARMACY TECHNICIAN I</b>  <b>COURSE # PT101</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 1.5</p>	<p><b>Prerequisite:</b> Senior Status Only  <b>Course Description:</b> PT101 is the first course of a one-year Pharmacy Technician program offered to high school seniors. The course provides students a foundation in the allied health services, including administrative/clinical skills, medical ethics/pharmacy law, HIPAA compliance, medical terminology, applied math, pharmacology, OSHA Law and Regulations, and providing quality customer service.</p>
<p><b>PHARMACY TECHNICIAN II</b>  <b>COURSE # PT102</b>  <b>COURSE # MIS102</b>  <b>Tuition Fee:</b> Yes  <b>Application Required</b>  <b>High School Credits:</b> 1.5</p>	<p><b>Prerequisite:</b> PT101 Pharmacy Technician I  <b>Course Description:</b> PT102 is the second course of a one-year program. The course allows students to apply academic concepts in a pharmacy setting. Emphasis will be placed on processing prescriptions, reviewing physician orders for proper dosage, drug allergies, and incompatibilities, data processing for insurance purposes using computer hardware and software systems, acting as a liaison between the pharmacy and the physician's office for prescription requests and authorizations, counting tablets, labeling bottles, along with administrative functions such as: answering phones, stocking shelves, and taking inventory.</p>

### ❖ Precision Manufacturing Program

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

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**PRECISION  
MANUFACTURING  
FOUNDATIONS I  
COURSE #PM101/5904**  
Tuition Fee: Yes  
Application Required  
High School Credits: 1.5

**Prerequisite:** Junior or Senior Status Only  
**Course Description:** PM 101 is the first course of the two-year CNC Precision Manufacturing Program offered to high school juniors and seniors. This course provides students with a foundation in precision manufacturing. Skills to be learned include industrial safety, statistical process and control, blueprint reading, computer aided drafting and material properties.

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**PRECISION  
MANUFACTURING  
FOUNDATIONS II  
COURSE #PM102/5905**  
Tuition Fee: Yes  
Application Required  
High School Credits: 1.5

**Prerequisite:** PM101 Precision Manufacturing Foundations I  
**Course Description:** PM 102 is the second course of the two-year program. Skills to be learned in this course build upon those learned in the first course. These skills include technical math, lean manufacturing, solid programming, geometric dimensioning and tolerancing, and solid modeling.

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**INTERMEDIATE PRECISION  
MACHINING  
COURSE #PM201/5906**  
Tuition Fee: Yes  
Application Required  
High School Credits: 1.5

**Prerequisite:** PM102 Precision Manufacturing Foundations II  
**Course Description:** PM 102 starts the second year of the two-year precision manufacturing program. During this course students will do extensive work with precision manufacturing equipment. Skills to be gained during this course include machine processes, theory and application, basic machining, CNC programming and CNC mill operation.

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**ADVANCED PRECISION  
MACHINING  
COURSE #PM202/5907**  
Tuition Fee: Yes  
Application Required  
High School Credits: 1.5

**Prerequisite:** PM201 Intermediate Precision Machining  
**Course Description:** The final course of the two-year precision manufacturing program prepares students to exit into the Arizona Precision Manufacturing Apprenticeship Program, higher education or the world of work. During the course students will obtain skills related to CNC lathe operation, CNC mill operation, and advanced machining. Students will also have the opportunity to participate in work-based learning.

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### ❖ Veterinary Science

The Veterinary Science program prepares students to deliver vital care services alongside veterinarian medical professionals for dogs, cats, exotics and exposure to large animals like horses. The experiences include assisting in the surgery room, intensive care unit (ICU), taking vital signs, nursing care for animals, clinical office operations, x-rays and imaging, facility safety and cleanliness, and a general care and exercise program for the animals. The course will run for 3 hours per day Monday thru Friday and will be located at the West-MEC Northeast campus, 1617 W. Williams Drive, Phoenix AZ 85027

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**VETERINARY SCIENCE  
FOUNDATIONS I  
COURSE #VS101/6010**  
Tuition Fee: Yes  
Application Required  
High School Credits: 1.5

**Prerequisite:** None  
**Course Description:** This is the first course in a series of four. The course provides a foundation in veterinary science including the following: veterinary terminology, anatomy and physiology, examination procedures, pharmacy and pharmacology, vaccinations, basic animal nursing and care, and safety.

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**VETERINARY SCIENCE  
FOUNDATIONS II  
COURSE #VS102/6011**  
Tuition Fee: Yes  
Application Required  
High School Credits: 1.5

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

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**VETERINARY ASSISTANT I  
COURSE #VS201**  
Tuition Fee: Yes  
Application Required  
High School Credits: 1.5

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

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**VETERINARY ASSISTANT II**  
**COURSE #VS202**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 1.5

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

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❖ *Welding Technology*

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

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

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**SMAW PLATE WELDING**  
**COURSE #WLD101**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 1.5

**Prerequisite:** Junior or Senior Status Only  
**Course Description:** WLD 101 is the first course of the two-year Welding Program offered to high school junior and seniors. This course provides students with a foundation in welding technology. Skills to be learned include welding safety, blue print reading, weld symbol interpretation, SMAW beads and fillets, SMAW Grooves with backing.

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**GMAW/FCAW AND GTAW**  
**PLATE WELDING**  
**COURSE #WLD102**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 1.5

**Prerequisite:** WLD101 - SMAW Plate Welding  
**Course Description:** WLD 102 is the second course of the two-year program. Skills to be learned in this course build upon those learned in the first course. These skills include weld quality, base metal preparation, GMAW/FCAW plate welding, and GTAW plate welding. Students will also complete the American Welding Society SENSE school final competencies which will earn them industry certifications as an Entry Level Welder.

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**SMAW PIPE WELDING**  
**COURSE # WLD201**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 1.5

**Prerequisite:** WLD102 - GMAW/FCAW and GTAW Plate welding  
**Course Description:** WLD 201 starts the second year of the two-year welding program. During this course students will introduced to basic metallurgy, preheat and post heating of welds, SMAW pipe welding with backing and SMAW pipe welding without backing (open root).

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**GMAW/FCAW AND GTAW**  
**PIPE WELDING**  
**COURSE # WLD202**  
**Tuition Fee:** Yes  
**Application Required**  
**High School Credits:** 1.5

**Prerequisite:** WLD201 - SMAW Pipe welding  
**Course Description:** WLD 202 is the final course of the two-year welding program. Skills to be gained during this course relate to pipe and tubing welding using the GMAW/FCAW and GTAW processes. Students will be prepared to enter the welding industry with pipe welding theory and skills which will be advantageous in securing internships and apprenticeships.

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**Entrance requirements for West-MEC Central Programs can be found at: [www.west-mec.org](http://www.west-mec.org)**



## ENGLISH LANGUAGE ACQUISITION PROGRAM

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### ENGLISH LANGUAGE BLOCK 1-2

**COURSE #7511-12**

**Course Length:** 2 semesters

**Grade Level:** 9-12

**Prerequisite:** Placement through English Language Acquisition Program.

**Course Description:** The objective of this Structured English Immersion (SEI) course is to teach one or more specific identified skills within the English Language Proficiency Standards (ELPS) appropriate for the English proficiency level(s) of students in the class. Upon exiting this four period block course, students will receive a minimum of four hours daily of English Language Development (ELD). Instruction within the block is divided into four time allocations, each bearing a specific title and focus, with instruction driven by each particular domain. Pre-emergent, Emergent and Lower End Basic levels will be grouped in this class and shall receive daily a one hour class of ELD titled "Oral English/Conversation and Vocabulary," a one hour class of ELD titled "Reading," a one hour class of ELD titled "Writing," and a one hour class of ELD titled "Grammar" as aligned to English Language Proficiency Standards (ELPS) and English Language Arts Standards.

**Note: Students may earn Freshman English credit.**

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### ENGLISH LANGUAGE BLOCK 3-4

**COURSE #7513-14**

**Course Length:** 2 semesters

**Grade Level:** 9-12

**Prerequisite:** Placement through English Language Acquisition Program

**Course Description:** The objective of this SEI course is to teach one or more specific identified skills within the English Language Proficiency Standards (ELPS) appropriate for the English proficiency level(s) of students in the class. Instruction within the block is divided into four time allocations, each bearing a specific title and focus, with instruction driven by each particular domain. Intermediate and higher end basic levels will be grouped and shall receive daily a one hour class of ELD titled "Oral English/Conversation and Vocabulary," a one hour class of ELD titled "Reading," a one hour class of ELD titled "Writing," and a one hour class of ELD titled "Grammar" as aligned to English Language Proficiency Standards (ELPS) and English Language Arts Standards.

**Note: Students may earn Freshman English credit.**

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### ENGLISH LANGUAGE BLOCK 5-6

**COURSE #7525-26**

**Course Length:** 2 semesters

**Grade Level:** 9-12

**Prerequisite:** Placement through English Language Acquisition Program

**Course Description:** The objective of this SEI course is to teach one or more specific identified skills within the English Language Proficiency Standards (ELPS) appropriate for the English proficiency level(s) of students in the class. Instruction within the block is divided into four time allocations, each bearing a specific title and focus, with instruction driven by each particular domain. Intermediate level students shall receive daily a one hour class of ELD titled "Oral English/Conversation and Vocabulary," a one hour class of ELD titled "Reading," a one hour class of ELD titled "Writing," and a one hour class of ELD titled "Grammar" as aligned to English Language Proficiency Standards (ELPS) and English Language Arts Standards.

**Note: Students may earn Sophomore English credit.**

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### ENGLISH LANGUAGE BLOCK 7-8/Senior English COURSE #7527-28

**Course Length:** 2 semesters

**Grade Level:** 9-12

**Prerequisite:** Placement through English Language Acquisition Program

**Course Description:** The objective of this SEI course is to teach one or more specific identified skills within the English Language Proficiency Standards (ELPS) appropriate for the English proficiency level(s) of students in the class. Instruction within the block is divided into four time allocations, each bearing a specific title and focus, with instruction driven by each particular domain. Intermediate level students shall receive daily a one hour class of ELD titled "Oral English/Conversation and Vocabulary," a one hour class of ELD titled "Reading," a one hour class of ELD titled "Writing," and a one hour class of ELD titled "Grammar" as aligned to English Language Proficiency Standards (ELPS) and English Language Arts Standards.

**Note: Students may earn Junior and Senior English credit from this course.**

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### ELD TUTORING

**COURSE #7541-42**

**Course Length:** Determined by student's academic needs

**Grade Level:** 9-12

**Prerequisite:** Placement through the English Language Acquisition Program

**Course Description:** This course is designed and recommended for English Language Learners (ELLs) and Fluent English Proficient (FEP) students who are in need of tutoring services due to low academic achievement or limited English proficiency. The tutorial services will assist students to: maintain a grade average of "C" or better; meet the District's graduation requirement in reading, writing and mathematics; reinforce library skills; promote staying in school and not dropping out; promote daily attendance; and provide counseling on personal problems that may affect their academic goals. In addition, extended day instruction will be provided for additional assistance in any subject including P.A.S.S. courses.

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## FOREIGN LANGUAGE

 NCAA APPROVED COURSE

### FRENCH 1-2

**COURSE #5101-02**

**Course Length:** 2 semesters

**Grade Level:** 9-12

**Prerequisite:** None

**Course Description:** Students will build communication skills including speaking, reading, writing, and listening. Students will use basic vocabulary associated to people, places, things, and actions related to their own lives. Students will express themselves in phrases, short sentences and memorized material in the present, present progressive, and past tenses. In addition, students will learn the cultures of the people where the language is spoken. Upon successful completion of the course, students will be able to describe, ask and answer simple questions, engage in simple conversations and carry out simple functions at the Readiness level, as stated in Arizona College and Career Ready Standards.

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**FRENCH 3-4**  
**COURSE #5103-04**  
**Course Length:** 2 semesters  
**Grade Level:** 10-12



**Prerequisite:** French 1-2

**Course Description:** Students will continue to build their communication skills including speaking, reading, writing, and listening. Students will use an intermediate level of vocabulary to express themselves in longer sentences and phrases. Students will use the present, present progressive, past (including preterit and imperfect), and imperative tenses with greater ease and write paragraph length material. In addition, students will learn the cultures of the people where the language is spoken. Upon successful completion of the course, students will be able to read, write, listen, and speak at the Foundations level, as stated in Arizona College and Career Ready Standards.

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**FRENCH 5-6**  
**COURSE #5105-06**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12



**Prerequisite:** French 3-4

**Course Description:** Students will continue to build their communications skills including speaking, reading, writing, and listening. Students will narrate, describe ideas, and give opinions. Students will express their ideas completely and interestingly in communicating with generally accurate grammar, vocabulary, spelling, accents, and punctuation. Students will use the present, present progressive, past (including preterit and imperfect), imperative, conditional, subjunctive, and future. Students will be exposed to authentic expository and fictional material produced for native speakers and write multi paragraph essays on a variety of topics. In addition, students will learn the cultures of the people where the language is spoken. Upon successful completion of this course, students will read, write, listen, and speak the language at the Essentials level, as stated in Arizona College and Career Ready Standards.

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**ADV PLACEMENT FRENCH LANGUAGE**  
**COURSE #5107-08**  
**Course Length:** 2 semesters  
**Grade Level:** 12



**Prerequisite:** French 5-6

**Course Description:** This course is designed to prepare students for the Advanced Placement exam. Students will use more advanced grammatical structures including the present, present progressive, past (including the preterit and the imperfect), imperative, conditional, subjunctive, future, past progressive, pluperfect, and past subjunctive. Students will write in order to effectively explain their point of view and read non-technical material and literature. In addition, students will learn the cultures of the people where the language is spoken. Upon successful completion of this course, students will be able to read, write, listen, and speak the language at the Proficiency level, as stated in Arizona College and Career Ready Standards.

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**SPANISH 1-2**  
**COURSE #5121-22**  
**Course Length:** 2 semesters  
**Grade Level:** 9-12



**Prerequisite:** None

**Course Description:** Students will build communication skills including speaking, reading, writing, and listening. Students will use basic vocabulary related to people, places, things, and actions related to their own lives. Students will express themselves in phrases, short sentences and memorize material in the present, present progressive, and past tenses. In addition, students will learn the cultures of the people where the language is spoken. Upon successful completion of the course, students will be able to describe, ask and answer simple questions, engage in simple conversations and carry out simple functions at the Readiness level, as stated in Arizona College and Career Ready Standards.

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**SPANISH 3-4**  
**COURSE #5123-24**  
**Course Length:** 2 semesters  
**Grade Level:** 10-12



**Prerequisite:** Spanish 1-2

**Course Description:** Students will continue to build their communication skills including speaking, reading, writing, and listening. Students will use an intermediate level of vocabulary to express themselves in longer sentences and phrases. Students will use the present, present progressive, past (including preterit and imperfect), and imperative tenses with greater ease and write paragraph length material. In addition, students will learn the cultures of the people where the language is spoken. Upon successful completion of the course, students will be able to read, write, listen, and speak at the Foundations level, as stated in Arizona College and Career Ready Standards.

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**SPANISH 5-6**  
**COURSE #5125-26**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12



**Prerequisite:** Spanish 3-4

**Course Description:** Students will continue to build their communications skills including speaking, reading, writing, and listening. Students will narrate, describe ideas, and give opinions. Students will express their ideas completely and interestingly in communicating with generally accurate grammar, vocabulary, spelling, accents, and punctuation. Students will use the present, present progressive, past (including preterit and imperfect), imperative, conditional, subjunctive, and future. Students will be exposed to authentic expository and fictional material produced for native speakers and write multi-paragraph essays on a variety of topics. In addition, students will learn the cultures of the people where the language is spoken. Upon successful completion of this course, students will read, write, listen, and speak the language at the Essentials level, as stated in Arizona College and Career Ready Standards.

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**ADV PLACEMENT SPANISH LANGUAGE**  
**COURSE #5200-5201**  
**Course Length:** 2 semesters  
**Grade Level:** 12



**Prerequisite:** Native Spanish 1-2 or Spanish 5-6

**Course Description:** This course is designed to prepare students for the Advanced Placement exam. Students will use more advanced grammatical structures including the present, present progressive, past (including preterit and imperfect), imperative, conditional, subjunctive, future, past progressive, pluperfect, and past subjunctive. Students will write in order to effectively explain their point of view and read non-technical material and literature. In addition, students will learn the cultures of the people where the language is spoken. Upon successful completion of this course, students will be able to read, write, listen, and speak the language of the Proficiency level, as stated in Arizona College and Career Ready Standards.

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**NATIVE SPANISH 1-2**  
**COURSE #5131-32**  
**Course Length:** 2 semesters  
**Grade Level:** 9-12



**Prerequisite:** Student speaks Spanish on a regular basis (at home and/or with family)  
**Course Description:** This course stresses the development of oral, reading and writing skills, vocabulary building and accurate communication skills for the bilingual student. Students will research various topics, analyze texts, write essays and compositions, and read narratives and short stories. Students will learn grammar structures such as the present, present progressive, past (including preterit and imperfect), and imperative, subjunctive, conditional, and future. In addition, students will learn and compare Spanish Speaking cultures. Upon successful completion of this course, students will read, write, listen, and speak Spanish at the Proficiency level as stated in Arizona College and Career Ready Standards.

**NATIVE SPANISH 3-4**  
**(AP LANGUAGE)**  
**COURSE #5133-34**  
**Course Length:** 2 semesters  
**Grade Level:** 10-12



**Prerequisite:** Native Spanish 1-2  
**Course Description:** This course is designed to prepare students for the Advanced Placement exam and stresses the development of oral reading and writing skills for the intermediate bilingual student. Students will research various topics, analyze texts, and write essays and compositions, and read narratives, short stories, and novels. Advanced grammar structures and language such as the present, present progressive, past (including preterit and imperfect), imperative, future, conditional, subjunctive, past progressive, pluperfect, and past subjunctive will be reinforced and emphasized. In addition, students will learn and compare Spanish speaking cultures. Upon successful completion of this course, students will read, write, listen, and speak Spanish at the Distinction level, as stated in Arizona College and Career Ready Standards.

**NATIVE SPANISH 5-6**  
**(AP LITERATURE)**  
**COURSE #5135-36**  
**Course Length:** 2 semesters  
**Grade Level:** 12

**Prerequisite:** Native Spanish 3-4  
**Course Description:** Emphasis in this course is given to advanced reading, writing, and oral proficiency. Students continue the study of Spanish literature. Students may elect to take the Advanced Placement Spanish Literature Test.

## LANGUAGE ARTS



**FRESHMAN ENGLISH 1-2**  
**COURSE #3001-02**  
**Course Length:** 2 semesters  
**Grade Level:** 9



**Prerequisite:** None  
**Course Description:** Freshman English is designed to teach composition, literature, communication, study skills, and reading strategies. Students will read fiction and non-fiction, short stories, plays, novels and poetry for understanding and application. Students will demonstrate understanding and application of the Six Trait Writing Process, grammar, spelling, mechanics, and speech techniques.

**ADV FRESHMAN ENGLISH**  
**COURSE #3011-12**  
**Course Length:** 2 semesters  
**Grade Level:** 9



**Prerequisite:** 8th grade English teacher recommendation  
**Course Description:** This course covers the same competencies as Freshman English, but goes into more detail and uses more complex literature. The course concentrates on composition skills that will be demanded of students throughout their high school courses. The Six Trait Writing Process will be analyzed and evaluated. Advanced reading strategies will be practiced.

**ENGLISH 9-10 BLOCK**  
**COURSE #3009-10**  
**Course Length:** 2 semesters  
**Grade Level:** 9-10



**Prerequisite:** Reading Improvement I or II  
**Course Description:** This course is designed for students who took Reading Improvement I or II their freshman year. It combines the competencies of 9th and 10th grade English.  
**Note: Students may earn freshman and/or sophomore English credit upon successful completion of this course.**

**SOPHOMORE ENGLISH 1-2**  
**COURSE #3101-02**  
**Course Length:** 2 semesters  
**Grade Level:** 10



**Prerequisite:** Successful completion of Freshman English  
**Course Description:** Sophomore English is designed for students to learn and effectively apply a variety of reading strategies from comprehending, interpreting and evaluating a wide range of texts including fiction, nonfiction, classic and contemporary works. Students will identify and understand the author's use of literary elements. In writing, students will focus on expository writing and formal communications, as well as a first or third person narrative and persuasive essay. Students will write using the Six Trait Writing Process and the Six Trait Rubric.

**ADV SOPHOMORE ENGLISH 1-2**  
**COURSE #3111-12**  
**Course Length:** 2 semesters  
**Grade Level:** 10



**Prerequisite:** Grade of C or better in Adv Freshman English  
**Course Description:** This course is designed to provide students with a broader and deeper experience in literature, composition, and oral communication than the regular Sophomore English course. The class will read fiction and non-fiction works of various cultures, genres and time periods.

**JUNIOR ENGLISH 1-2**  
**COURSE #3200-01**  
**Course Length:** 2 semesters  
**Grade Level:** 11



**Prerequisite:** Successful completion of Sophomore English  
**Course Description:** Junior English is designed for students to learn and effectively apply a variety of reading strategies using American Literature as the content. They will analyze the author's use of literary elements. Students will analyze classic and contemporary literature for the universality of themes. Students will evaluate the author's persuasive techniques. In writing, students will analyze the use of literary elements; write an informational report and persuasive essay. Students will write using the Six Trait Writing Process and the Six Trait Rubric.

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**ADV PLACEMENT ENGLISH LANGUAGE/COMPOSITION COURSE #3401-02**

**Course Length:** 2 semesters  
**Grade Level:** 11



**Prerequisite:** Grade of C or better in Adv. Sophomore English

**Course Description:** This course leads to the AP exam in English Language and Composition. The course engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. The course will emphasize the expository, analytical, and argumentative writing that forms the basis of academic and professional communication as well as the personal and reflective writing that fosters the development of writing facility in any context. The purpose is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers.

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**SENIOR ENGLISH 1-2 COURSE #3421-22**

**Course Length:** 2 semesters  
**Grade Level:** 12



**Prerequisite:** Successful completion of Junior English

**Course Description:** Senior English is designed for students to learn and effectively apply a variety of reading strategies using British literature as the content. Students will evaluate the author's use of literary elements and analyze classic and contemporary literature for the universality of themes. In writing, students will write an evaluation or critique a literary selection and craft a cohesive research document. Students will write using the Six Trait Writing Process and the Six Trait Rubric.

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**ADV PLACEMENT ENGLISH LITERATURE/COMPOSITION COURSE #3411-12**

**Course Length:** 2 semesters  
**Grade Level:** 12



**Prerequisite:** Grade of C or better in AP Junior English

**Course Description:** This course leads to the AP exam in English Literature and Composition. The course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students will consider a work's structure, style, and themes as well as such literary devices as figurative language, imagery, symbolism, and tone. The course will include intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit from various genres and cultures. In addition to considering a work's literary artistry, students should consider the social and historical values it reflects and embodies. The writing for this course will emphasize persuasive, analytical, exploratory and research-based writing. Student writing will develop and organize ideas in clear, coherent, and persuasive language that demonstrates stylistic maturity.

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*❖ ELECTIVES - These classes do not fulfill the English graduation requirement*

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**FRESHMAN LITERACY (TUHS & LJCHS only) COURSE #3013-14**

**Course Length:** 2 semesters  
**Grade Level:** 9

**Prerequisite:** None

**Course Description:** This course is designed as a supplementary literacy course to develop and enhance the comprehension skills used in all content area courses both in high school and in college using high-interest text. Students are challenged to apply these skills through the use of debate, research, speeches and media presentations.

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**READING I BLOCK COURSE #3030-31**

**Course Length:** 1 or 2 semesters

**Course Level:** B

**Grade Level:** 9

(or 10-12 targeted for the this intervention)

**Prerequisite:** None

**Course Description:** This course is for students who read significantly below grade level and need intensive reading interventions. The curriculum is based on Scholastic's Read 180 and System 44 research-based programs that integrate Arizona's College and Career Ready Standards with reading intervention strategies so students can master foundational reading skills such as phonemic awareness, phonics, fluency, and comprehension, while being challenged to use critical thinking skills. Differentiated instruction will consistently be provided to target all students' needs.

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**READING II BLOCK COURSE #3032-33**

**Course Length:** 1 or 2 semesters

**Course Level:** B

**Grade Level:** 9

(or 5.0 – 6.9 Gates, STATE REGULATED ASSESSMENT Approaching)

**Prerequisite:** None

**Course Description:** This course is for students who read 3-5 years below grade level and need intensive reading interventions. The curriculum is based on Scholastic's Read 180 research-based program that integrates Arizona's College and Career Ready Standards with reading intervention strategies so students can master reading and writing process skills while being challenged to use critical thinking skills. Differentiated instruction will consistently be provided to target all students' needs.

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**READING III COURSE #3034-35**

**Course Length:** 1 or 2 semesters

**Course Level:** B

**Grade Level:** 9 (or 10-12

targeted for the this intervention)

**Prerequisite:** None

**Course Description:** This course is for students who read 2-3 years below grade level and need secondary, targeted reading interventions. Reading III will provide literacy support for Freshman English and reading in other content areas. The curriculum is based on Arizona's College and Career Ready Standards with additional scaffolding and intervention strategies embedded into instructional routines. Differentiated instruction will consistently be provided to target all students' needs

<b>AIMS READING</b> <b>COURSE #3037-38</b> <b>Course Length:</b> 1 or 2 semesters <b>Grade Level:</b> 11-12	<b>Prerequisite:</b> Juniors and seniors who have not passed the State Required Reading Test <b>Course Description:</b> This class emphasizes developing competency in the State English Language Arts Standards in preparation for the State Required Assessment in Reading. The curriculum is aligned to the three Arizona Reading Strands: Reading Process, Comprehending Literary Text, and Comprehending Informational Text. Students will receive explicit instruction and practice using reading process skills. They will have exposure to a variety of literary, informational and functional texts, including those often faced by independent adults.
<b>AIMS WRITING</b> <b>COURSE #3107-08</b> <b>Course Length:</b> 1 or 2 semesters <b>Grade Level:</b> 11-12	<b>Prerequisite:</b> Juniors and seniors who have not passed the State Required Writing Test <b>Course Description:</b> This class emphasizes developing competency in the State English Language Arts Standards in preparation for the State Required Assessment in Writing. The curriculum is aligned to the three Arizona Writing Strands: Writing Process, Writing Components, and Writing Applications. Students will receive explicit instruction and practice using writing process skills and applying the writing components. They will have exposure to a variety of writing modes, including those often used by independent adults.
<b>CREATIVE WRITING</b> <b>COURSE #3453</b> <b>Course Length:</b> 1 semester <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> None <b>Course Description:</b> This course will stress the development of the individual's ability to write various types of material, such as poetry, plays and short stories.
<b>BEGINNING SPEECH</b> <b>COURSE #3458</b> <b>Course Length:</b> 1 semester <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> None <b>Course Description:</b> Beginning speech emphasizes the fundamentals of speech preparation, delivery, and listening skills. Current topics are used for subjects. In-class research is required.
<b>ADV SPEECH (FORENSICS)</b> <b>COURSE #3454</b> <b>Course Length:</b> 1 semester (may be repeated for credit) <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> Beginning Speech recommended, but not required <b>Course Description:</b> This course is designed to provide students with the opportunity to continue the study and practice of oral expression and oral composition and to encourage students to compete in the many forensic tournaments throughout the state. Speaking experience will include oral interpretation of prose and poetry, extemporaneous speaking, debate and oratory. The skills of analysis, reasoning, research and leadership will be an integral part of the course.
<b>BEGINNING JOURNALISM</b> <b>COURSE #3701-02</b> <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> None <b>Course Description:</b> This course is the study of principles and practices in the field of journalism. Students will learn the basics of story writing, page design, page layout, digital cameras, photography, and photo manipulation as it applies to the media today. This class will prepare students to enroll in the yearbook or newspaper staffs on campus the following year.
<b>NEWSPAPER PRODUCTION</b> <b>COURSE #3711-12</b> <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> Successful completion of Beginning Journalism or teacher recommendation <b>Course Description:</b> This course teaches and applies advanced journalism principles and techniques. The production and publication of the school newspaper is the major content of this course.  Tolleson Union High School: <i>The Wolver News</i> Westview High School: <i>The Knightly News</i> La Joya Community High School: <i>Eye of the Lobo</i> Copper Canyon High School: <i>The Courier</i> Sierra Linda High School: <i>Bulldog Chronicles</i>
<b>BEGINNING YEARBOOK</b> <b>COURSE #3704-05</b> <b>Course Length:</b> 1 semester <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> None <b>Course Description:</b> Students learn techniques of layout, copy writing, photography, etc. as applied to the publication of the school yearbook.
<b>YEARBOOK PRODUCTION</b> <b>COURSE #3721-22</b> <b>Course Length:</b> 2 semesters (may be repeated for credit) <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> Grade of C or better in English and/or Beginning Yearbook and/or instructor approval <b>Course Description:</b> Students are involved in the publication of the school's yearbook while learning and applying techniques of layout work, publications, and copy writing. Students are assigned to produce different sections of the yearbook including the academic departments, sports and clubs, faculty and staff, student sections, special events, and advertisements. <b>Note: Participation in after-school activities is required.</b>
<b>LITERARY MAGAZINE PRODUCTION</b> <b>COURSE #3703</b> <b>Course Length:</b> 1 semester <b>Grade Level:</b> 11-12	<b>Prerequisite:</b> None <b>Course Description:</b> Students will produce the school magazine of the fine arts. They will judge the writing, photos, and drawings submitted by their peers and analyze the quality of the work. Production of the magazine is a large part of the course, along with the advertisement and distribution of the finished product.

## LEADERSHIP EDUCATION

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### ❖ Marine Corps Junior ROTC (TUHS & WHS only)

The Marine Corps Junior ROTC (MCJROTC) programs in the Tolleson Union High School District are some of the most successful in the United States. In 1973, 1995, 2000 and 2001 the programs were designated the number one MJCROTC unit in the nation. In addition to the Leadership and Marksmanship courses, drill, rifle, and physical fitness teams are recognized throughout the Southwest and nationally as one of the top ranked units. Outdoor Survival Training trips are conducted once or twice a year. These trips include hiking, desert survival, outdoor living (desert and mountain), rappelling and environmental awareness. Cadets must be physically qualified to participate fully in the Marine Corps Wellness/Physical Fitness program. Cadets will be issued a Marine Corps Physical Fitness uniform.

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**LEADERSHIP 1-2**  
**COURSE #6511-12**  
**Course Length:** 2 semesters  
**Grade Level:** 9-12

**Prerequisite:** Be physically qualified per Marine Corps Order P.1533.6  
**Course Description:** This course includes instruction in leadership and wellness. The areas of focus are patriotism, leadership fundamentals, followership, discipline, drill and ceremonies, Marine Corps history and organization, rifle safety, familiarization firing, money management, civic environmental responsibilities and wellness to include health, nutrition, first aid, stress, responsible lifestyles, etiquette, conflict resolution, substance abuse, physical fitness (present and lifelong).

**Note: This course fulfills the Wellness graduation requirement.**

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**LEADERSHIP 3-4**  
**COURSE #6513-14**  
**Course Length:** 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** Leadership 1-2 and be physically qualified per Marine Corps Order P.1533.6  
**Course Description:** This course expands the skills learned in Leadership 1-2 to include, but not limited to, leadership principles, problem solving, inspection procedures, unit drill, sword manual, map reading, role of officers, physical fitness testing.

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**LEADERSHIP 5-6**  
**COURSE #6515-16**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12

**Prerequisite:** Leadership 3-4 and be physically qualified per Marine Corps Order P.1533.6  
**Course Description:** This course will extend the skills learned in Leadership 3-4 and will include techniques of military instruction, fundamentals of command, group dynamics, world ideologies, physical fitness testing, and National Security Organization.

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**LEADERSHIP 7-8**  
**COURSE #6517-18**  
**Course Length:** 2 semesters  
**Grade Level:** 12

**Prerequisite:** Leadership 5-6 and be physically qualified per Marine Corps Order P.1533.6  
**Course Description:** This select group will be given a special course in techniques of military instruction and subsequently assigned as assistant military instructors who will be required to teach military subjects and supervise in training underclassman in the M.C.J.R.O.T.C. Program.

**Note: Cadet selection is based on academic accomplishments and leadership abilities with the approval of the Senior Marine Instructor. Cadets not considered to possess the attributes of an Assistant Marine Instructor will be notified individually in writing by the Senior Marine Instructor and will not be eligible to enroll.**

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**R.O.T.C. MARKSMANSHIP**  
**COURSE #6521-22**  
**Course length:** 2 semesters  
**Grade Level:** 9-12

**Prerequisite:** Be physically qualified per Marine Corps Order P.1533.6  
**Course Description:** The course will deal primarily with instruction in the areas of rifle care, safety, and marksmanship. Competitive varsity and junior varsity rifle teams will be formed. Students classified as ROTC cadets will be issued a regulation Marine Corps camouflage uniform without charge. All students will have the opportunity to qualify for the Marine Corps shooting award badges. Ammunition is provided at no cost. The balance of the course will be devoted to physical fitness activities.

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## MATHEMATICS



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**ALGEBRA I BLOCK**  
**COURSE #4006-07**  
**Course Length:** 2 semesters  
**Grade Level:** 9

**Prerequisite:** None  
**Course Description:** This course includes: properties of real numbers, solving and graphing linear equations, solving and graphing linear inequalities, exponents, quadratic equations, polynomials and factoring, rational expressions and equations, data analysis, patterns and probability.

**Note: Students enrolled in Algebra I Block must be concurrently enrolled in Algebra I Block Lab**

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**ALGEBRA I**  
**COURSE #4009-10**  
**Course Length:** 2 semesters  
**Grade Level:** 9-12

**Prerequisite:** None  
**Course Description:** This course includes: properties of real numbers, solving and graphing linear equations, solving and graphing linear inequalities, exponents, quadratic equations, polynomials and factoring, rational expressions and equations, data analysis, patterns and probability.



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**GEOMETRY BLOCK**  
**COURSE #4029-30**  
**Course Length:** 2 semesters  
**Grade Level:** 10

**Prerequisite:** Successful completion of Algebra I Block or Algebra I  
**Course Description:** This course in Geometry includes: properties of angles and lines, triangle relationships and congruencies, quadrilaterals, polygons, circles, similarities, surface area and volume, transformations, basic right triangle trigonometry.

**Note: Students enrolled in Geometry Block must be concurrently enrolled in Geometry Block Lab**

<b>GEOMETRY</b> <b>COURSE #4023-24</b> <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 10-12	<b>Prerequisite:</b> Successful completion of Algebra I <b>Course Description:</b> This course includes: properties of angles and lines, triangle relationships and congruencies, quadrilaterals, polygons, circles, similarities, surface area and volume, transformations, basic right triangle trigonometry.
 <b>ADV GEOMETRY</b> <b>COURSE #4131-32</b> <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 9-10	<b>Prerequisite:</b> Successful completion of Algebra I or placement by assessment <b>Course Description:</b> This course will offer a more in-depth approach to Geometry where students will use deductive reasoning to prove theorems. Each student will develop the ability to solve real world problems using the properties and relationships of geometric figures.
 <b>ALGEBRA II</b> <b>COURSE #4141-42</b> <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 11-12	<b>Prerequisite:</b> Successful completion of Geometry <b>Course Description:</b> This course extends the algebraic topics addressed in Algebra I including linear equations, inequalities and functions, quadratic functions and inequalities, matrixes, polynomial and radical expressions, rational expressions, sequences and series, irrational and complex numbers, discrete mathematics and probability, and trigonometric functions.
 <b>ADV ALGEBRA II</b> <b>COURSE #4151-52</b> <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 10-12	<b>Prerequisite:</b> Successful completion of Adv. Geometry or teacher recommendation <b>Course Description:</b> This course covers the following topics: problem solving, linear relationships, functions and relations, graphing, systems of equations and inequalities, complex numbers, zeros of polynomial functions, exponential and logarithmic functions, counting and probability, introduction to trigonometry, trigonometric graphs, analyzing data.
<b>ALGEBRA II CONCEPTS &amp; SKILLS</b> <b>COURSE #4013-14</b> <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 11-12	<b>Prerequisite:</b> Successful completion of Geometry <b>Course Description:</b> This course is designed for the student that may have had difficulty understanding Algebra I concepts. This course also builds on Algebra I concepts and includes the following topics: linear equations and functions, systems of linear equations, data analysis, discrete math, quadratic functions, polynomial equations and rational equations.
 <b>FRESHMAN ALGEBRA II</b> <b>COURSE #4033-34</b> <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 9	<b>Prerequisite:</b> Placement by assessment <b>Course Description:</b> This accelerated course includes linear equations, inequalities, and functions; complex numbers; quadratic functions; polynomial functions; rational and radical functions; exponential and logarithmic functions; trigonometric functions; sequences and series; and statistics
<b>FINANCIAL ALGEBRA</b> <b>COURSE #4118-19</b> <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 12	<b>Prerequisite:</b> Successful completion of Algebra II Concepts & Skills or Algebra II <b>Course Description:</b> This course relates topics from Algebra II to the financial world. The course introduces students to the topics of the stock market, modeling a business, banking services, consumer credit, automobile ownership, employment basics, income taxes, independent living, and preparing a budget as they apply to high school mathematics concepts.
 <b>COLLEGE ALGEBRA</b> <b>COURSE #4161-62</b> <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 11-12	<b>Prerequisite:</b> Successful completion of Algebra II <b>Course Description:</b> This course is a study of quadratic equations, relations and functions, theory of equations, systems of equations and inequalities, matrixes and determinants, binomial theorem, logarithms sequences and series, permutations and combinations and probability. There will be review and reinforcement of skills and concepts in addition to the thorough study of each topic. This course is intended for college bound students whose planned course of study does not require calculus. <b>Note: Dual Enrollment may be offered for this course.</b>
 <b>PRE-CALCULUS</b> <b>COURSE #4171-72</b> <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 11-12	<b>Prerequisite:</b> Successful completion of Adv. Algebra II or College Algebra or teacher recommendation <b>Course Description:</b> This course is a study of logic, analyzing functions, system of equations and inequalities, integers, and polynomials over the field of complex numbers, rational numbers and rational functions, trigonometric identities and equations, recursion and mathematical induction, polar coordinates and complex numbers, combinatorics and vectors. <b>Note: Dual Enrollment may be offered for this course.</b>
 <b>ADV PLACEMENT STATISTICS</b> <b>COURSE #4186-87</b> <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 11-12	<b>Prerequisite:</b> Successful completion of Algebra II <b>Course Description:</b> The purpose of the AP course in Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: <ol style="list-style-type: none"> <li>1. Exploring Data – Describing patterns and departures from patterns</li> <li>2. Sampling and Experimentation – Planning and conducting a study</li> <li>3. Anticipating Patterns – Exploring random phenomena using probability and simulation</li> <li>4. Statistical Inference – Estimating population parameters and testing hypotheses</li> </ol>
	<p>Students who successfully complete the course and examination may receive credit, advanced placement, or both, for a one-semester introductory college statistics course.</p> <p><b>Note: Dual Enrollment may be offered for this course.</b></p>

**ADV PLACEMENT  
CALCULUS AB  
COURSE #4181-82**  
Course Length: 2 semesters  
Grade Level: 12



**Prerequisite:** Successful completion of Pre-Calculus  
**Course Description:** This course is primarily concerned with developing students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations are also important.

**Note: Dual Enrollment may be offered for this course.**

**ADV PLACEMENT  
CALCULUS BC  
COURSE #4173-74**  
Course Length: 2 semesters  
Grade Level: 11-12



**Prerequisite:** Successful completion of Pre-Calculus  
**Course Description:** This course is a full-year course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics, but both courses are intended to be challenging and demanding and require a similar depth of understanding of common topics.

**AIMS MATH  
COURSE #4101-02**  
Course Length: 1 or 2 semesters  
Grade Level: 12

**Prerequisite:** Seniors who have not passed the State Required Math Test  
**Course Description:** This course is aligned to the five Arizona Mathematics Strands. The course is designed to meet the needs of students who have taken but have not passed the State Required Math Exam. This course emphasizes concepts and problem solving strategies that are a core to the five strands: 1-Number Sense and Operations; 2-Data Analysis, Probability & Discrete Math; 3-Patterns, Algebra and Functions; 4-Geometry and Measurement; 5-Structure and Logic.

❖ **ELECTIVES** - These classes do not fulfill the Math graduation requirement

**ADV PLACEMENT COMPUTER  
SCIENCE A  
COURSE #8930-31**  
Course Length: 2 semesters  
Grade Level: 11-12

**Prerequisite:** Successful completion of Algebra II  
**Course Description:** The course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development, and is meant to be the equivalent of a first-semester college-level course in computer science. It also includes the study of data structures, design, and abstraction.

**ALGEBRA I BLOCK LAB  
COURSE #4015-16**  
Course Length: 2 semesters  
Grade Level: 9

**Prerequisite:** Placement by assessment  
**Course Description:** This course offers lab activities to reinforce algebra classroom learning. Algebra I concepts will be diagnosed, and learning strategies will be prescribed for each student. Learning skills and test taking strategies will be integrated into the lab curriculum.

**Note: Students enrolled in Algebra I Block Lab must be concurrently enrolled in Algebra I Block**

**GEOMETRY BLOCK LAB  
COURSE #4019-20**  
Course Length: 2 semesters  
Grade Level: 10

**Prerequisite:** Successful completion of Algebra I Block  
**Course Description:** This course offers lab activities to reinforce geometry classroom learning. Algebra I concept deficiencies will be diagnosed, and learning strategies will be prescribed for each student. Learning skills and test taking strategies will be integrated into the lab curriculum.

**Note: Students enrolled in Geometry Block Lab must be concurrently enrolled in Geometry Block**

## PERFORMING & VISUAL ARTS

❖ **DANCE**

**FOLKLORICO  
COURSE #3894-95**  
Fee: None  
Course Length: 2 semesters  
Grade Level: 9-12

**Prerequisite:** None  
**Course Description:** Students will learn, teach, and perform Mexican dances for the purpose of developing, and promoting an understanding and an appreciation for the beauty of the Mexican culture. Students will learn history and traditions as influenced by the European, Indian, and Mestizo Cultures through dance. Students will be responsible for school equipment.

**Note: Participation in after-school activities is required.**

**MODERN DANCE 1-2  
COURSE #3813-14**  
Fee: \$10.00 per semester  
Course Length: 2 semesters  
Grade Level: 9-12

**Prerequisite:** None  
**Course Description:** This course is designed to introduce various dance styles, movement, vocabulary and basic anatomy, and to develop basic fundamental dance techniques. This course will also provide a means for self-expression, group cooperation, and creativity. This course will cover dance history, dance appreciation and beginning dance techniques with an emphasis on modern dance and ballet.

**Note: Participation in after-school activities is required.**

**MODERN DANCE 3-4  
COURSE #3815-16**  
Fee: \$10.00 per semester  
Course Length: 2 semesters  
Grade Level: 10-12

**Prerequisite:** Modern Dance 1-2 and audition  
**Course Description:** This course is designed to introduce various dance styles, movement, vocabulary and anatomy, and to develop intermediate levels of dance techniques. This course will also provide a means for self-expression, group cooperation and creativity at an intermediate level.

**Note: Participation in after-school activities is required. If the student has previous experience, he/she needs approval from the teacher to enroll.**



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**MODERN DANCE 5-6**  
**COURSE #3819-20**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** Modern Dance 1-2, audition and audition  
**Course Description:** This course provides students with a means for self-expression, creativity and artistic capabilities through dance composition with an emphasis on choreography and performance.  
**Note: Participation in after-school activities is required. If the student has previous experience, he/she needs approval from the teacher to enroll.**

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**MODERN DANCE 7-8**  
**(Choreography & Performance)**  
**COURSE #3817-18**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** Modern Dance 1-2 and audition  
**Course Description:** Students will use dance terminology and techniques at an advanced level to choreograph dances. This course will put together dance productions learning the basics of what it means to be on a technical crew, costume crew, and publicity crew. This is both a class and a club.  
**Note: Participation in after-school activities is required. If the student has previous experience, he/she needs approval from the teacher to enroll.**

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❖ *MUSIC*

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**BEGINNING BAND 1-2**  
**COURSE #3873-74**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
(may be repeated for credit)  
**Grade Level:** 9-12

**Prerequisite:** None  
**Course Description:** This course provides students with class instruction on the common instruments of the band: flute, clarinet, saxophone, trumpet, French horn, trombone, baritone, tuba and percussion. No previous musical experience is necessary. Students will be responsible for school equipment.  
**Note: Participation in after-school activities is required.**

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**VARSITY BAND & FLAG LINE 1-2**  
**COURSE #3881-82**  
**Fee:** \$20.00 per semester  
**Course Length:** 2 semesters  
(may be repeated for credit)  
**Grade Level:** 9-12

**Prerequisite:** Director Approval; incoming freshmen with Jr. High band experience may pre-register for this class; however a placement audition is required. Flagline tryouts are held in the spring  
**Course Description:** During the fall semester, the Varsity Band provides the marching halftime shows at all home football games. Varsity Band and Flagline also travel to "away" games, march at University Band Days and participate in various school events. During the spring semester, the Varsity Band performs at concerts and festivals and concentrates on the study of fine musical literature. Members of the Varsity Band also have the opportunity to participate in both the Regional Solo and Ensemble Festival and the Regional Honor Band Festival. A strong desire and commitment to performance is required.  
**Note: Participation in after-school activities is required. The Flagline registers for Varsity Band for the fall semester only.**

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**CHORUS 1-2**  
**COURSE #3811-12**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
(may be repeated for credit)  
**Grade Level:** 9-12

**Prerequisite:** None  
**Course Description:** This course is open to any student who is interested in choral music and will cover the fundamentals of choral singing and the principles of reading music.  
**Note: Participation in after-school activities is required. All campuses have the option that Chorus 1-2 be an all-female and/or mixed chorus per the director's discretion.**

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**CHORUS 3-4**  
**COURSE: #3823-24**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
(may be repeated for credit)  
**Grade Level:** 9-12

**Prerequisite:** Chorus 1-2 and audition  
This is the advanced choir and can be used as either a SSA choir or SATB choir, depending on the needs of the school. School concerts, certain festivals, and other performances are mandatory and a major part of the grade in this class. This course concentrates on healthy vocal development, advanced music performance skills, and historical/theoretical application of choral music with a very strong emphasis on sight singing.  
**Note: Participation in after-school activities is required.**

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**CONCERT CHOIR 1-2**  
**COURSE #3821-22**  
**Fee:** \$15.00 per semester  
**Course Length:** 2 semesters  
(may be repeated for credit)  
**Grade Level:** 10-12

**Prerequisite:** Chorus 1-2 and audition  
**Course Description:** This course is a study of fine choral literature through performance. The Concert Choir will perform at concerts, festivals, and community events. All members are required to attend every scheduled event, concert, and rehearsal. Attendance and participation provide the basis for quarterly grades. Members of the Concert Choir will also have the opportunity to participate in both the Regional Solo and Ensemble Festival and the Honor Choir Festival. A strong desire and commitment to performance is required.  
**Note: Participation in after-school activities is required.**

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**CONCERT CHOIR 3-4**  
**(VOCAL ENSEMBLE)**  
**COURSE: #3825-26**  
**Fee:** \$15.00 per semester  
**Course Length:** 2 semesters  
(may be repeated for credit)  
**Grade level:** 10-12

**Prerequisites:** Chorus 3-4 and audition  
This is a small, 25-30 member ensemble of advanced students. The literature is four to eight part harmonies, and the most advanced group at the school. This course concentrates on fundamental concepts with an emphasis on early fifteenth and sixteenth century music from the Medieval and Renaissance periods as well as Jazz and Show arrangements. A strong desire and commitment to performance is required. All members are required to attend every scheduled event, concert, and rehearsal. Attendance and participation provide the basis for quarterly grades.  
**Note: Participation in after-school activities is required.**

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**BEGINNING STRINGS 1-2**  
**COURSE #3871-72**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
(may be repeated for credit)  
**Grade Level:** 9-12

**Prerequisite:** None  
**Course Description:** This course provides beginning and intermediate class instruction on the instruments of the string orchestra: violin, viola, cello, and double bass. School owned instruments will be available for those students who need them. This course will have limited performances.

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**STRING ORCHESTRA 1-2**  
**COURSE #3861-62**  
**Fee:** None  
**Course Length:** 2 semesters  
(may be repeated for credit)  
**Grade Level:** 9-12

**Prerequisite:** Strings 1-2  
**Course Description:** Orchestra is a performing ensemble. Students will study fine orchestra literature and perform periodically for the school and community. Students will also have the opportunity to study and perform chamber music, solos, and small string ensembles.  
**Note: Participation in after-school activities is required.**

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**MARIACHI ENSEMBLE 1-2**  
**(TUHS only)**  
**COURSE #3891-92**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 9-12

**Prerequisite:** Instrumental experience preferred, but not necessary  
**Course Description:** Mariachi Ensemble is a performance class designed to explore the literature of Mariachi music and other folk styles of Latin American music. Emphasis will also be placed on the historical and cultural backgrounds and this relationship to the music. All members are required to attend every scheduled event, concert, and rehearsal. Attendance and participation provide the basis for quarterly grades.  
**Note: Participation in after-school activities is required.**

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**PIANO 1-2**  
**COURSE #3841-42**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 9-12

**Prerequisite:** None  
**Course Description:** This course is designed to cover a broad scope of piano skills from basic to intermediate. Areas to be covered include piano techniques, basic music theory and sight-reading.

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**PIANO 3-4**  
**COURSE #3851-52**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
(may be repeated for credit)  
**Grade Level:** 10-12

**Prerequisite:** Piano 1-2  
**Course Description:** Emphasis in this course will be placed on intermediate skill levels of sight-reading, scales, piano theory, and chords. Instruction will also be given in advanced fingering techniques and styles.  
**Note: If the student has previous experience, he/she needs approval from the teacher to enroll.**

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**BEGINNING GUITAR 1-2**  
**COURSE #3801-02**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 9-12

**Prerequisite:** None  
**Course Description:** Anyone who has an interest in music through the medium of the guitar will enjoy this class. Beginning Guitar instruction includes classical, folk, and popular music. The student's guitar is provided.

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**GUITAR 3-4**  
**COURSE #3803-04**  
**Fee:** \$10.00 per semester  
**Course Length:** 2 semesters  
(may be repeated for credit)  
**Grade Level:** 10-12

**Prerequisite:** Beginning Guitar 1-2  
**Course Description:** This course will continue the instruction started in Guitar 1-2, focusing on developing intermediate performing skills on the guitar. Guitar 3-4 will include instruction on scales, arpeggios, chords, two-part classical style, folk strums, and popular music styles. The students are provided with acoustical guitars.  
**Note: If the student has previous experience, he/she needs approval from the teacher to enroll.**

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**ADV PLACEMENT MUSIC THEORY 1-2**  
**COURSE #3885-86**  
**Fee:** None  
**Course Length:** 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** One year of any music course (band, choir, guitar, piano, etc.)  
**Course Description:** For many students, playing or singing music is an enjoyable experience, however, understanding how music is constructed; how scales and chords are formed; the relationship between major and minor keys; and how music is composed through melody, harmony and chord progressions can enhance the musical experience even further. Music Theory is an advanced music course focusing on writing and analyzing music.

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## ❖ PHOTOGRAPHY

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**PHOTOGRAPHY 1-2**  
**COURSE #3641-42**  
**Fee:** \$15.00 per semester  
**Course Length:** 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** None  
**Course Description:** This is a beginning level course in which students will learn camera function and photographic aesthetics. **Wet Lab:** Students learn the techniques of exposing black and white film, processing the film in the laboratory and producing black and white photographic prints. Equipment is provided. Students purchase black and white film and photo paper. **Digital Lab:** Students learn to store, edit, manipulate and print color and black and white photography. Students will be required to purchase a flash drive and photo paper.  
**Note: Location will dictate whether course is offered as a black and white, web lab photography course or a digital photography course. Students will be responsible for school equipment.**  
**Note: Fees cover photo chemicals, ink and essential paper only. Paper usage varies by student need and preference. Extra photo paper is available at an additional charge.**

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<b>PHOTOGRAPHY 3-4</b> <b>COURSE #3651-52</b> <b>Fee:</b> \$15.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 11-12	<b>Prerequisite:</b> Photography 1-2 or instructor approval <b>Course Description:</b> Advanced topics in photography may be investigated as a class and on an individual basis. <b>Wet Lab:</b> Students purchase black and white film and photo paper for course projects. <b>Digital Lab:</b> Students purchase flash drive and photo paper for course projects. <b>Note:</b> <u>Location will dictate whether course is offered as a black and white, web lab photography course or a digital photography course. Students will be responsible for school equipment.</u> <b>Note:</b> <u>Fees cover photo chemicals, ink and essential paper only. Paper usage varies by student need and preference. Extra photo paper is available at an additional charge.</u>
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❖ *THEATRE*

<b>THEATRE 1-2</b> <b>COURSE #3467-68</b> <b>Fee:</b> \$5.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> None <b>Course Description:</b> This is a beginning level course, which is designed to teach basic theatre skills and concepts. Students will learn basic acting techniques, play structure, musical theatre, and basic technical theatre skills.
<b>THEATRE 3-4</b> <b>COURSE #3469-70</b> <b>Fee:</b> \$10.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 10-12	<b>Prerequisite:</b> Theatre 1-2 <b>Course Description:</b> This course is designed to teach intermediate theatre skills and concepts. Students will build on basic theatre concepts learned in Theatre 1-2. Emphasis will be placed on acting skills, technical theatre, playwriting, theatre history, children's theatre, social theatre and performance. <b>Note:</b> <u>Participation in after-school activities is required.</u>
<b>THEATRE 5-6</b> <b>COURSE #3471-72</b> <b>Fee:</b> \$10.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 11-12	<b>Prerequisite:</b> Theatre 3-4 and audition <b>Course Description:</b> This course is designed to teach advanced theatre skills and concepts. Students will build on theatre concepts learned in Theatre 3-4. Emphasis will be placed on acting skills, theatre production and theatre performance. <b>Note:</b> <u>Participation in after-school activities is required.</u>
<b>THEATRE 7-8</b> <b>COURSE #3473-74</b> <b>Fee:</b> \$10.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 12	<b>Prerequisite:</b> Theatre 5-6 and audition <b>Course Description:</b> Students will use theatre terminology and techniques at an advanced level to direct play and act in culturally sophisticated theatre. Students will be expected to participate in theatre productions and take on leadership roles as necessary. <b>Note:</b> <u>Participation in after-school activities is required.</u>
<b>STAGE PRODUCTION 1-2</b> <b>COURSE #3456-57</b> <b>Fee:</b> \$5.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> None <b>Course Description:</b> This course will introduce students to the design and technical processes necessary to visualize, design and construct stage sets for performances. This course will also research and explore production and management to support and promote stage shows of all types. Emphasis will be placed on set construction, stage lighting, sound basics, costume construction, makeup design and application, and prop construction. Students will learn and understand fundamental theatre terminology and analyze and evaluate various styles of performances. <b>Note:</b> <u>Participation in after-school activities is required.</u>
<b>STAGE PRODUCTION 3-4</b> <b>COURSE #3461-62</b> <b>Fee:</b> \$5.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 10-12	<b>Prerequisite:</b> Stage Production 1-2 <b>Course Description:</b> This course will develop students' depth and understanding of designing scenery, lighting, costumes, props, makeup and sound for the theatre. Students will have the opportunity to advance beyond theory into actually designing and creating their own plans for upcoming theatre productions. <b>Note:</b> <u>Participation in after-school activities is required.</u>

❖ *VISUAL ARTS*

<b>ART 1-2</b> <b>COURSE #3601-02</b> <b>Fee:</b> \$15.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> None <b>Course Description:</b> This is a beginning art course designed to introduce the student to the fundamental elements of art and principles of design and critical evaluation with a broad base for visual understanding and the problem solving aspects of art and design. The student will be exposed to a variety of art processes and materials. Projects can include drawing, printmaking, sculpture, lettering, design, and painting.
<b>ART 3</b> <b>COURSE #3610</b> <b>Fee:</b> \$15.00 <b>Course Length:</b> 1 semester <b>Grade Level:</b> 10-12	<b>Prerequisite:</b> Art 1-2 <b>Course Description:</b> This course is an intermediate art course with an emphasis on drawing. Student will develop a level of skill and proficiency in the use of value, composition, form, space, line, and organization. Students will gain an understanding of drawing as it relates to history and culture and will continue to build problem solving and critical evaluation skills. As value relates to other media, students may also work in print, lettering, design, and painting.

<b>ART 4</b> <b>COURSE #3611</b> <b>Fee:</b> \$15.00 <b>Course Length:</b> 1 semester <b>Grade Level:</b> 10-12	<b>Prerequisite:</b> Art 1-2, Art 3 <b>Course Description:</b> This is an intermediate art course with an emphasis on the organization of color through the use of various drawing and painting media and can include alternative processes. Student will continue to build problem solving and critical evaluation skills as they relate to art and design.
<b>ART 5</b> <b>COURSE #3612</b> <b>Fee:</b> \$20.00 <b>Course Length:</b> 1 semester <b>Grade Level:</b> 11-12	<b>Prerequisite:</b> Art 1-2, Art 3, Art 4 <b>Course Description:</b> This course is an advanced art course with an emphasis on two-dimensional design. Areas covered include, but are not limited to, illustration design, poster, cover and package design, with a continued focus on problem solving and critical evaluation skills as they relate to both the student's work and that of the art world.
<b>ART 6</b> <b>COURSE #3613</b> <b>Fee:</b> \$20.00 <b>Course Length:</b> 1 semester <b>Grade Level:</b> 11-12	<b>Prerequisite:</b> Art 1-2, Art 3, Art 4, Art 5 <b>Course Description:</b> This is an advanced course with an emphasis on color theory and usage, designed to further develop the skills and techniques of painting and may also include sculpture, experimental or alternative media, with a continued focus on critical evaluation as it relates to both the student's work and that of the art world.
<b>ART STUDIO 1-2</b> <b>COURSE #3621-22</b> <b>Fee:</b> \$20.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 12	<b>Prerequisite:</b> Students must have had three years of art <b>Course Description:</b> Students will be given individual programs of study. The focus is on personal development as related to various processes and media.
<b>ADV PLACEMENT ART STUDIO 1-2</b> <b>COURSE #3637-38</b> <b>Fee:</b> \$20.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 11-12	<b>Prerequisite:</b> Students must have had three years of visual art and instructor approval <b>Course Description:</b> This course is a college level course designed for students who are seriously interested in the practical experience of art and is not based on a written exam. Instead, students submit portfolios for evaluation to the College Board at the end of the school year. This course consists of three portfolios: 2-D Design; 3-D Design and Drawing. Student chooses which portfolio they will submit. <b>Note: Dual Enrollment may be offered for this course.</b> <b>Note: Participation in after-school activities is required.</b>
<b>ADV PLACEMENT ART HISTORY</b> <b>COURSE #3639-40</b> <b>Fee:</b> None <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 12	<b>Prerequisite:</b> None <b>Course Description:</b> College courses generally cover the various art media in the following proportions: 40-50 percent painting and drawing; 25 percent architecture; 25 percent sculpture; and 5-10 percent other media. The AP Art History Examination reflects these distributions through multiple-choice questions, and long and short essay questions. An understanding of the elements of art, fundamental art historical terminology, and technical processes used in the production of art is basic to both college and AP courses. Art History increasingly emphasizes understanding works in context, considering such issues as patronage, gender, and the functions and effects of works of art.
<b>CERAMICS 1</b> <b>COURSE #3614</b> <b>Fee:</b> \$20.00 <b>Course Length:</b> 1 semester <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> None <b>Course Description:</b> This course is an introduction to the nature of clay, glazing and firing. The process of hand-building and techniques of surface treatment in good visual organization are explored. <b>Note: Due to materials used, students with severe asthma or other respiratory illness may have problems in this course.</b>
<b>CERAMICS 2</b> <b>COURSE #3615</b> <b>Fee:</b> \$20.00 <b>Course Length:</b> 1 semester <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> Ceramics 1 <b>Course Description:</b> This course is an introduction to the throwing of clay forms on the potter's wheel plus continued exploration of hand building and slip casting. <b>Note: Due to materials used, students with severe asthma or other respiratory illness may have problems in this course.</b>
<b>CERAMICS 3-4</b> <b>COURSE #3616-17</b> <b>Fee:</b> \$20.00 per semester <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 10-12	<b>Prerequisite:</b> Ceramics 1-2 <b>Course Description:</b> This course emphasizes the progressive development of skills on the potter's wheel, combined hand-constructed and thrown pieces, hand-built form and mold-making. Advanced students are expected to know how to load, maintain and fire kilns, make individual glazes and actively participate in the maintenance of the entire studio. <b>Note: Due to materials used, students with severe asthma or respiratory illness may have problems in this course.</b>

## PHYSICAL EDUCATION AND HEALTH

<b>WELLNESS 1-2</b> <b>COURSE #8013-14</b> <b>Course Length:</b> 2 semesters <b>Grade Level:</b> 9	<b>Prerequisite:</b> None <b>Course Description:</b> Wellness takes an integrated approach to teaching health and physical education. The focus is on individual students and their responsibility to manage many aspects of their mental, social and physical lives. The goal of this course is to inform and equip students with decision-making skills in critical areas of their health and wellness. Students are required to fully participate in sports and activities that improve personal fitness. <b>Note: This course is required for graduation.</b>
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**ADV PHYSICAL EDUCATION**  
**COURSE #8021-22 (B)**  
**COURSE #8023-24 (G)**  
**Course Length:** 1 or 2 semesters  
**Grade Level:** 10- 12

**Prerequisite:** Wellness 1-2 and physically able to meet the demands of the course  
**Course Description:** The goal of this course is to improve each student's skills and personal fitness. Students will participate in a variety of team and individual sports. It is physically demanding and competitive. Evaluation is based on each student's level of physical skills, fitness and observable behaviors, such as cooperation, leadership, discipline, and commitment.

**SYSTEMATIC**  
**CONDITIONING**  
**COURSE #8041-42**  
**Course Length:** 1 or 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** Wellness 1-2  
**Course Description:** The goal of this course is to develop each student's total fitness, including flexibility, cardiovascular efficiency, muscular endurance and body composition. Cardiovascular training will include walking, jogging, and running activities. Muscular fitness training will utilize calisthenics, polymerics, free weights and machines. Students will also study the value of different sports and training programs in weight management and maintenance. Similar to Weight Training 1-2, classroom instruction will emphasize activity, theories, concepts, principles and health issues.

**WEIGHT TRAINING 1-2**  
**COURSE #8033-34**  
**Course Length:** 1 or 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** Wellness 1-2  
**Course Description:** The goal of this course is to improve each individual's muscular fitness. Students will learn weight training skills, techniques and methods in strength and endurance training. This will involve demonstrating an extensive variety of exercises using calisthenics, free weights and machines. Classroom instruction will concentrate on weight training safety, anatomy, muscle physiology, training principles, and program design. Students will also pursue an aerobic conditioning program to improve and maintain an adequate level of cardiovascular fitness.

**WEIGHT TRAINING 3-4**  
**COURSE #8035-36**  
**Course Length:** 1 or 2 semesters  
**Grade Level:** 11-12

**Prerequisite:** Weight Training 1-2  
**Course Description:** The goal of this course is to improve each individual's strength, muscular endurance and power through the completion of planned weight training programs. Students are also required to complete a running and calisthenics routine. Evaluation is based on the completion of prescribed programs and performance improvements.

## SCIENCE



**INTEGRATED SCIENCE 1-2**  
**COURSE #4525-26**  
**Course Length:** 2 semesters  
**Grade Level:** 9

**Prerequisite:** None  
**Course Description:** This course is designed for all students as a beginning high school course. Arizona College and Career Ready Standards include the nature of science, the scientific method, environmental science, physical science, chemical science, and earth science. The course is lab and activity based requiring students to apply basic concepts of science.

**GEOLOGY**  
**COURSE #4527-28**  
**Course Length:** 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** Successful completion of Integrated Science or Biology  
**Course Description:** This course will take a comprehensive look at the science devoted to the study of the earth, its origin, history, composition, properties, and resources. This will be a process oriented class incorporating and integrating chemistry, physics, mathematics, engineering, and writing skills to solve problems in geology. A special unit on geology of Arizona will draw on personal experiences and interests to enhance relevancy.

**BIOLOGY 1-2**  
**COURSE #4531-32**  
**Course Length:** 2 semesters  
**Grade Level:** 9-11

**Prerequisite:** None  
**Course Description:** This course is designed for all students as a study of living things. Arizona College and Career Ready Standards include the nature of science, the scientific method, biodiversity, cell biology, genetics, and evolution. Learning and thinking skills, including problem solving, predicting, and analysis of data, evaluating and synthesizing will be emphasized.

**Note: Dual Enrollment may be offered for this course.**

**PRE-AP BIOLOGY 1-2**  
**COURSE #4535-36**  
**Course Length:** 2 semesters  
**Grade Level:** 9-10

**Prerequisite:** None  
**Course Description:** This course is designed to provide students with the foundations for future AP science courses. It includes all topics covered in Biology plus additional topics. This course is intended to be challenging and demanding. Arizona College and Career Ready Standards taught include the nature of science, scientific method, biodiversity, ecology, cell biology, genetics, and evolution. Learning and thinking skills, including problem solving, predicting, analysis of data, evaluating and synthesizing, will be emphasized throughout the course.

**Note: Dual Enrollment may be offered for this course.**

**ADV PLACEMENT BIOLOGY**  
**COURSE #4533-34**  
**Course Length:** 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** Successful completion of Pre-AP Biology and Chemistry or teacher recommendation  
**Course Description:** The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. The ongoing knowledge explosion in biology makes these goals even more challenging. AP Biology develops an understanding of concepts rather than memorizing terms and technical details. Essential to this conceptual understanding are the following: a grasp of science as a process rather than as an accumulation of facts; personal experience in scientific inquiry; recognition of unifying themes that integrate the major topics of biology; and application of biological knowledge and critical thinking to environmental and social concerns.

**Note: Students enrolled in AP Biology must be concurrently enrolled in AP Biology Lab.**

**HUMAN ANATOMY/PHYSIOLOGY COURSE #4583-84**  
Course Length: 2 semesters  
Grade Level: 10-12



**Prerequisite:** Successful completion of Biology  
**Course Description:** This course is designed to give students an in-depth study of the structure and function of the human body and systems. There will be a focus on disease and health maintenance topics.  
**Note: Dissections are required.**

**ADV BIOLOGY HUMAN ANATOMY/PHYSIOLOGY COURSE #4585-86**  
Course Length: 2 semesters  
Grade Level: 10-12



**Prerequisite:** Successful completion of Biology or teacher recommendation  
**Course Description:** A fast-paced study of the structure and dynamics of the human body taught at distinction level standards. Research projects, clinical applications and class projects are an integral part of the course.  
**Note: Dissections are required.**

**GENERAL CHEMISTRY 1-2 COURSE #4541-42**  
Course Length: 2 semesters  
Grade Level: 10-12



**Prerequisite:** Successful completion of Biology and Integrated Algebra I or teacher recommendation  
**Course Description:** This course is designed for college bound students not planning to major in a science related field. This course provides an understanding of atomic structure, bonding, reactions and equilibria. Using stoichiometry, balanced equations and the mole concept, basic laws are learned. Gas laws, acid/base, pH, and solutions are an important part of the course. Frequent lab and in-class activities requiring critical thinking are used. Arithmetic and Algebra are necessary skills.

**ADV CHEMISTRY 1-2 COURSE #4551-52**  
Course Length: 2 semesters  
Grade Level: 10-12

**Prerequisite:** Successful completion of Pre-AP Biology and Algebra I (or higher) or teacher recommendation  
**Course Description:** This course is intended for students interested in any science major in college, including those whose career goals are in health professions, engineering, and the environmental sciences. An understanding of atomic structure, bonding of molecules, redox reactions and equilibria, balancing chemical equations, the mole concept, nuclear chemistry, the gas laws, acid-base reactions, and solutions are the major topics covered. Laboratory applications are conducted weekly. Daily homework is assigned.  
**Note: Dual Enrollment may be offered for this course.**

**ADV PLACEMENT CHEMISTRY COURSE #4553-54**  
Course Length: 2 semesters  
Grade Level: 11-12



**Prerequisite:** Successful completion of General Chemistry and Algebra II or teacher recommendation  
**Course Description:** This course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students should attain a depth of understanding of fundamentals and reasonable competence in dealing with chemical problems. The course contributes to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. The college course in general chemistry differs qualitatively from the usual first secondary school course in chemistry with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by students. Quantitative differences appear in the number of topics treated, time spent on the course by students and the nature and the variety of experiments done in the laboratory.  
**Note: Students enrolled in AP Chemistry must be concurrently enrolled in AP Chemistry Lab. Note: Dual Enrollment may be offered for this course.**

**ADV PLACEMENT ENVIRONMENTAL SCIENCE COURSE #4529-30**  
Course Length: 2 semesters  
Grade Level: 11-12



**Prerequisite:** Successful completion of General Chemistry or teacher recommendation  
**Course Description:** The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternate solutions for resolving or preventing them.

**PHYSICS 1-2 COURSE #4561-62**  
Course Length: 2 semesters  
Grade Level: 10-12



**Prerequisite:** Successful completion of Biology and Algebra II or concurrent enrollment in Algebra II  
**Course Description:** This course will develop an understanding of the general principles and models of physics and the nature of scientific inquiry. The level of mathematical sophistication includes some algebra and basic geometry concepts.

**ADV PLACEMENT PHYSICS 1 COURSE #4573-74**  
Course Length: 2 semesters  
Grade Level: 11-12



**Prerequisite:** No prior course work in physics is necessary. Students should have completed geometry and be concurrently taking Algebra II or an equivalent course.  
**Course Description:** AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves (including rotational motion); work, energy, and power; mechanical waves reasoning skills.

**Note: Students enrolled in AP Physics-B must be concurrently enrolled in AP Physics-B Lab.**

**ADV PLACEMENT PHYSICS 2 COURSE #4557-58**  
Course Length: 2 semesters  
Grade Level: 11-12



**Prerequisite:** Students should have had AP Physics 1. Students should have taken or be concurrently taking Precalculus.

**Course Description:** AP Physics 2 is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.

**Note: Students enrolled in AP Physics-B must be concurrently enrolled in AP Physics-B Lab.**

**ADV PLACEMENT PHYSICS-C MECHANICS**  
**COURSE #4575-76**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12



**Prerequisite:** Calculus or concurrent enrollment in Calculus  
**Course Description:** This course is designed for students who will have a college major in engineering or science and is a calculus based application of Newtonian Mechanics. Studies include: kinematics, Newton's laws of motion, work, energy, power, systems of particles, linear momentum, circular motion, angular momentum, oscillations and gravitation. Lecture will be 3 hours/week and laboratory 2 hours/week.

**ADV PLACEMENT PHYSICS-C ELECTRICITY/MAGNETISM**  
**COURSE #4577-78**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12



**Prerequisite:** Must be concurrently enrolled in Calculus AB or BC  
**Course Description:** This course provides instruction in each of the following five content areas: electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. This course will utilize guided inquiry and student centered learning to foster the development of critical thinking skills and will use introductory differential and integral calculus throughout the course.

❖ **ELECTIVES** - These classes do not fulfill the Science graduation requirement

**ADV PLACEMENT BIOLOGY LAB**  
**COURSE #4537-38**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12

**Prerequisite:** Successful completion of Pre-AP Biology or teacher recommendation  
**Course Description:** This course will provide opportunities to explore course content in greater depth than the time constraints of a single class period allow. In particular, this course is designed to encourage the development of skills such as detailed observation, experimental design, data interpretation, and operation of technical equipment through laboratory experiences.

**Note: Students enrolled in AP Biology Lab must be concurrently enrolled in AP Biology.**

**ADV PLACEMENT CHEMISTRY LAB**  
**COURSE #4555-56**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12

**Prerequisite:** Successful completion of General Chemistry and Algebra II or teacher recommendation  
**Course Description:** This course will provide opportunities to explore course content in greater depth than the time constraints of a single class period allow. In particular, this course is designed to encourage the development of skills such as analytical thinking, experimental design, data interpretation, and communication of conclusions through laboratory experiences.

**Note: Students enrolled in AP Chemistry Lab must be concurrently enrolled in AP Chemistry.**

**ADV PLACEMENT PHYSICS-B LAB**  
**COURSE #4580-81**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12

**Prerequisite:** Successful completion of Biology and Algebra II or teacher recommendation  
**Course Description:** This course will provide opportunities to explore course content in greater depth than the time constraints of a single class period allow. In particular, this course is designed to encourage the development of skills such as detailed observation, experimental design, data interpretation, and error analysis through laboratory experiences.

**Note: Students enrolled in AP Physics-B Lab must be concurrently enrolled in AP Physics-B.**

**SOCIAL STUDIES**



**WORLD HISTORY/GEOGRAPHY**  
**COURSE #7021-22**  
**Course Length:** 2 semesters  
**Grade Level:** 9-12



**Prerequisite:** None  
**Course Description:** (World History) Students analyze the recent human experience (1600-1914; Age of Enlightenment, Revolution, Nationalism and Imperialism) recognize the relationship of events and people, and interpret significant patterns, themes, ideas, beliefs and turning points in World History. (World Geography) Students analyze locations, regions, and spatial connections, recognizing the natural and cultural processes that impact the way in which people and societies live and interact with each other and their environment.

**ADV PLACEMENT WORLD HISTORY**  
**COURSE #7027-28**  
**Course Length:** 2 semesters  
**Grade Level:** 10-12



**Prerequisite:** None  
**Course Description:** The purpose of this course is to develop greater understanding of the evolution of global processes and contacts in interaction with different types of human societies. This understanding is advanced through a combination of select factual knowledge and appropriate analytical skills. The course highlights the nature of change in international frameworks, their causes and consequences, and comparisons among major societies. The course emphasizes relevant factual knowledge in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Periodization, explicitly discussed, forms an organizing principle for dealing with change and continuity. Specific themes provide further organization to the course, along with consistent attention to contacts among societies that form the core of world history.

**ADV PLACEMENT EUROPEAN HISTORY**  
**COURSE #7029-30**  
**Course Length:** 2 semesters  
**Grade Level:** 10-12



**Prerequisite:** None  
**Course Description:** The study of European History since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of the AP program in European History are to develop (a) an understanding of some of the principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical and understanding in writing.

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**ADV PLACEMENT HUMAN GEOGRAPHY**  
**COURSE #7061-62**  
**Course Length:** 2 semesters  
**Grade Level:** 10-12



**Prerequisite:** None  
**Course Description:** The purpose of this course is to provide the student with a learning experience equivalent to that obtained in most college introductory Human Geography courses.

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**UNITED STATES/ARIZONA HISTORY/GEOGRAPHY**  
**COURSE #7031-32**  
**Course Length:** 2 semesters  
**Grade Level:** 9-12



**Prerequisite:** None  
**Course Description:** Students analyze the recent American experience (1876-1990; American Industrial Revolution to the Persian Gulf War), recognize the relationship of events and people, and interpret significant patterns, themes, ideas, beliefs and turning points in American and Arizona history.

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**ADV PLACEMENT UNITED STATES HISTORY**  
**COURSE #7051-52**  
**Course Length:** 2 semesters  
**Grade Level:** 10-12



**Prerequisite:** None  
**Course Description:** The purpose of this course is to develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence, clearly and persuasively, in essay format.

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**UNITED STATES/ARIZONA GOVERNMENT**  
**COURSE #7200**  
**Course Length:** 1 semester  
**Grade Level:** 12



**Prerequisite:** None  
**Course Description:** In this course, the basic structure and development of the United States/Arizona government will be examined. The topics of democracy, federalism, civil rights, and civic responsibility will be highlighted.

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**ECONOMICS**  
**COURSE #7250**  
**Course Length:** 1 semester  
**Grade Level:** 12



**Prerequisite:** None  
**Course Description:** This course provides a strong practical understanding of the free market concept in American Capitalism, with focus on micro and macroeconomics. Microeconomics studies the impact of individual economic behavior while macroeconomics focuses on the country's economy as a whole. The course encourages students to make intelligent decisions about their personal economic status as well as judgments regarding broader questions of global and cultural economic policy.

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**ADV PLACEMENT GOVERNMENT/POLITICS**  
**COURSE #7041-42**  
**Course Length:** 2 semesters  
**Grade Level:** 12



**Prerequisite:** None  
**Course Description:** In this course, students will be given an analytical perspective on government and politics in the United States. The course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. It also requires a familiarity with the various institutions, groups, beliefs, and ideas that constitutes U.S. politics. The following topics will be examined: Constitutional Underpinnings; Political Beliefs and Behaviors; Political Parties; Interest Groups; Mass Media; Institutions such as Congress, Presidency, Bureaucracy, Courts; Public Policy; and Civil Rights and Civil Liberties.

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**ADV PLACEMENT COMPARATIVE GOVERNMENT/POLITICS**  
**COURSE #7103-04**  
**Course Length:** 2 semesters  
**Grade Level:** 12



**Prerequisite:** None  
**Course Description:** This course introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course State Regulated Assessment to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Comparison assists both in identifying problems and in analyzing policymaking.

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**ADV PLACEMENT MICROECONOMICS**  
**COURSE #7252-53**  
**Course Length:** 2 semesters  
**Grade Level:** 12



**Prerequisite:** None  
**Course Description:** This course is designed to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price-level determination and also develops students' familiarity with economic performance measures, the financial sector, Stabilization policies, economic growth and international economics.

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**ADV PLACEMENT MACROECONOMICS**  
**COURSE #7254-55**  
**Course Length:** 2 semesters  
**Grade Level:** 12



**Prerequisite:** None  
**Course Description:** This course is designed to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

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❖ **ELECTIVES** - These classes do not fulfill the Social Studies graduation requirement

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**ANTHROPOLOGY**  
**COURSE #7011-12**  
**Course Length:** 2 semesters  
**Grade Level:** 10-12

**Prerequisite:** None  
**Course Description:** This course will survey (1) physical anthropology, the study of man's origins, (2) archeology, the excavation of past cultures, and (3) cultural anthropology, the study of contemporary cultures.





**PSYCHOLOGY  
COURSE #7364**  
Course Length: 1 semester  
Grade Level: 10-12

**Prerequisite:** None  
**Course Description:** This introductory course will provide an overview of the history, theorists, principles, and methodologies of psychology. This course will include: learning and processing; communications; dream analysis; adolescence; aging; personality types and disorders; mental disorders/mental illness; conflicts; stress; and coping skills.



**ADV PLACEMENT  
PSYCHOLOGY  
COURSE #7355-56**  
Course Length: 2 semesters  
Grade Level: 10-12

**Prerequisite:** None  
**Course Description:** This course is designed to introduce students to the systematic and scientific study of behavior and the 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 of psychology. They also learn about the ethics and methods psychologists use in their science and practice.



**INTRODUCTION TO  
SOCIOLOGY  
COURSE #7360**  
Course Length: 1 semester  
Grade Level: 11-12

**Prerequisite:** None  
**Course Description:** This course will be an examination of individual, family and small group behaviors including ethnicity and women's status. The course studies human development through the life span and the behavior of individuals and families in relation to basic social institutions.



## ***SPECIAL PROGRAMS AND CLASSES (SEE COUNSELOR)***

### ***❖ GIFTED & TALENTED PROGRAM***

The Tolleson Union High School District (TUHSD) offers a comprehensive gifted and talented program for identified and qualified students. Appropriate and approved screening instruments are utilized in accordance with the regulations of the State Board of Education to effectively identify eligible students. Annual screening of freshman students occurs in the fall based on teacher recommendations. Students and parents may request screening for the program by contacting the school's Gifted Advisor.

Identified gifted students and their parents are provided the opportunity to develop an individual educational plan that is designed to meet the unique academic needs of each student in the program. A detailed explanation of program services and procedures can be found in the Gifted and Talented Program Scope and Sequence, which is available for review at each school site and at the District office.

The goals of this TUHSD program are:

- To support the development of self-directed, autonomous learners;
- To enhance and expand the opportunity for learning both during high school and in preparation for post-secondary transition;
- To develop the student's ability to think and reason critically;
- To develop and foster effective communication skills and abilities of students;
- To facilitate communication between and among students, school staff, and parents relative to gifted and talented program issues and information.

An integral component of the program is the opportunity for students to enroll in college level academic courses, such as those provided through the Advanced Placement program and the Maricopa Community College District. Successful completion of these learning experiences can result in the student earning high school, as well as college credit. Students are also able to pursue independent learning experiences through self-study projects, internships, and mentorships.

### ***❖ INDEPENDENT STUDY***

Students can arrange to complete some course work through Independent Study. Petitions and guidelines for Independent Study can be obtained in the Guidance Department. There are other guidelines which apply. All independent studies need the written approval of the teacher, department chair, and the Assistant Principal of Curriculum and Instruction.

### ***❖ PEER TUTORING PROGRAM***

A peer-tutoring program is available in the Tolleson Union High School District. Student tutors are eligible to earn one-half academic credit per semester. Tutors will assist the instructor in providing individualized and small group instruction to select student(s). The tutors will work in the content areas in which they have demonstrated successful completion of the program competencies as evidenced by a grade average in the content area of "B" or better.

### ***❖ STUDENT LEADERSHIP B LEVEL OR PASS/FAIL***

This course is designed to provide students with an awareness of the operational aspects of representative government. A study of the leadership and communication skills necessary to effectively perform the responsibilities of student government will also be included. Instructor approval is required for enrollment.

## ❖ TEACHER ASSISTANT

The credit earned for one (1) semester assignment as a Teacher Assistant shall be one-half (1/2) unit. In addition, a student may earn a maximum of one (1) unit of Teacher Assistant credit to fulfill graduation requirements at Tolleson Union High School District.

## SPECIAL SERVICES

The Tolleson Union High School District (TUHSD) provides a comprehensive program of special education classes and services in compliance with the Individuals with Disabilities Education Act, the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. A copy of parental and student rights (Procedural Safeguards) are available on the district's website at [www.tuhsd.org](http://www.tuhsd.org) and in the Tolleson Union High School District Special Services Office and in each school's Special Education Office.

The special education department offers programs, services and classes within the District for the following areas of disability:

Mild Intellectual Disability	Hearing Impaired
Moderate Intellectual Disability	Vision Impaired
Severe Intellectual Disability	Other Health Impaired
Specific Learning Disability	Speech/Language Impairment
Multiple Disabilities	Orthopedic Impaired
MD with Severe Sensory Impairment	Autism
Emotional Disability	Traumatic Brain Injured

The TUHSD is looking for any student who may need specialized instruction, therapy services or specialized equipment. If you are aware of a student who has any special needs such as speech, emotional, motor, visual, hearing or substantial learning deficits, call your child's counselor or the Director of Special Services.

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### BASIC SKILLS LANGUAGE

#### ARTS LAB 1-2

**Course Length:** 2 semesters  
(may be repeated for credit)

**Grade Level:** 9-12

**Prerequisite:** IEP team decision

**Course Description:** The purpose of the BS Language Arts Lab is to provide students with disabilities the strategies and skills necessary to proceed through the Arizona College and Career Ready Standards and transition to adult life. Strategies will include those needed to meet the standard on the State Regulated Assessment test. These will include test-taking, reading and listening comprehension, writing using the components of the 6-trait writing rubric, and using resources such as assistive technology effectively. Skill building will be based upon the present level of the student as related to the Arizona College and Career Ready Standards and needs identified on the IEP.

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### BASIC SKILLS LANGUAGE

#### ARTS LAB 3-4

**Course Length:** 2 semesters  
(may be repeated for credit)

**Grade Level:** 9-12

**Prerequisite:** IEP team decision

**Course Description:** The purpose of the BS Language Arts Lab is to provide students with disabilities the strategies and skills necessary to proceed through the Arizona College and Career Ready Standards and transition to adult life. Strategies will include those needed to meet the standard on the State Regulated Assessment test. These will include test-taking, reading and listening comprehension, writing using the components of the 6-trait writing rubric, and using resources such as assistive technology effectively. Skill building will be based upon the present level of the student as related to the Arizona College and Career Ready Standards and needs identified on the IEP.

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### BASIC SKILLS LANGUAGE

#### ARTS LAB 5-6

**Course Length:** 2 semesters  
(may be repeated for credit)

**Grade Level:** 9-12

**Prerequisite:** IEP team decision

**Course Description:** The purpose of the BS Language Arts Lab is to provide students with disabilities the strategies and skills necessary to proceed through the Arizona College and Career Ready Standards and transition to adult life. Strategies will include those needed to meet the standard on the State Regulated Assessment test. These will include test-taking, reading and listening comprehension, writing using the components of the 6-trait writing rubric, and using resources such as assistive technology effectively. Skill building will be based upon the present level of the student as related to the Arizona College and Career Ready Standards and needs identified on the IEP.

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### BASIC SKILLS LANGUAGE

#### ARTS LAB 7-8

**Course Length:** 2 semesters  
(may be repeated for credit)

**Grade Level:** 12

**Prerequisite:** IEP team decision

**Course Description:** BS Language Arts Lab 7-8 is designed for those 12<sup>th</sup> grade students with disabilities who have demonstrated a need for transitional activities that apply reading and writing skills to the work place and daily living. This includes resume writing, letter writing, comprehension of technical manuals and reference materials, as well as identifying resources in the community.

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### BASIC SKILLS MATH

#### LAB 1-2

**Course Length:** 2 semesters  
(may be repeated for credit)

**Grade Level:** 9-12

**Prerequisite:** IEP team decision

**Course Description:** The purpose of the BS Math Lab is to provide students with disabilities skill review in calculation, math reasoning, algebra and geometry concepts and the strategies and skills necessary to proceed through the Arizona College and Career Ready Standards and transition to adult life. Strategies will include those needed to meet the standard on The State Regulated Assessment test. These will include test-taking, listening comprehension, vocabulary development, and using resources such as assistive technology effectively. Skill building will be based upon the present level of the student as related to the Arizona College and Career Ready Standards and needs identified on the IEP.

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<p><b>BASIC SKILLS MATH LAB 3-4</b>  <b>Course Length:</b> 2 semesters  (may be repeated for credit)  <b>Grade Level:</b> 9-12</p>	<p><b>Prerequisite:</b> IEP team decision  <b>Course Description:</b> The purpose of the BS Math Lab is to provide students with disabilities skill review in calculation, math reasoning, algebra and geometry concepts and the strategies and skills necessary to proceed through the Arizona College and Career Ready Standards and transition to adult life. Strategies will include those needed to meet the standard on the State Regulated Assessment test. These will include test-taking, listening comprehension, vocabulary development, and using resources such as assistive technology effectively. Skill building will be based upon the present level of the student as related to the Arizona College and Career Ready Standards and needs identified on the IEP.</p>
<p><b>BASIC SKILLS MATH LAB 5-6</b>  <b>Course Length:</b> 2 semesters  (may be repeated for credit)  <b>Grade Level:</b> 9-12</p>	<p><b>Prerequisite:</b> IEP team decision and/or demonstration of competencies from BS Math Lab 3-4  <b>Course Description:</b> The purpose of the BS Math Lab is to provide students with disabilities skill review in calculation, math reasoning, algebra and geometry concepts and the strategies and skills necessary to proceed through the Arizona College and Career Ready Standards and transition to adult life. Strategies will include those needed to meet the standard on the State Regulated Assessment test. These will include test-taking, listening comprehension, vocabulary development, and using resources such as assistive technology effectively. Skill building will be based upon the present level of the student as related to the Arizona College and Career Ready Standards and needs identified on the IEP.</p>
<p><b>BASIC SKILLS MATH LAB 7-8</b>  <b>Course Length:</b> 2 semesters  (may be repeated for credit)  <b>Grade Level:</b> 12</p>	<p><b>Prerequisite:</b> IEP team decision  <b>Course Description:</b> BS Math Lab 7-8 is designed for those 12<sup>th</sup> grade students with disabilities who have demonstrated a need for transitional activities that apply math skills to the work place and daily living. This includes consumer math concepts such as banking, budgeting, and purchasing goods.</p>
<p><b>BASIC SKILLS OFFICE PROCEDURES</b>  <b>Course Length:</b> 2 semesters  (may be repeated for credit)  <b>Grade Level:</b> 9-12</p>	<p><b>Prerequisite:</b> IEP team decision  <b>Course Description:</b> Students with disabilities will develop basic keyboarding skills and learn to use the computer to process information. Basic word processing and office skills will be taught, enabling students to use acquired skills in other classes and life endeavors. This class will cover the Arizona College and Career Ready Standards for workplace skills.</p>
<p><b>BASIC SKILLS CAREER DEVELOPMENT</b>  <b>Course Length:</b> 2 semesters  (may be repeated for credit)  <b>Grade Level:</b> 12</p>	<p><b>Prerequisite:</b> IEP team decision  <b>Course Description:</b> Students with disabilities will explore and evaluate career choices and post-secondary educational opportunities. Transitional activities will include identifying personal strengths and career interests; resume development, completing financial aid and post-secondary applications as well as site visits to local employers, trade schools and colleges. Goal setting and budgeting activities will be provided to promote successful transition to adult life after graduation.</p>
<p><b>STUDENT SKILLS FOR TRANSITION (SST) 9</b>  <b>Course Length:</b> 2 semesters  <b>Grade Level:</b> 9</p>	<p><b>Prerequisite:</b> IEP team decision  <b>Course Description:</b> SST 9 is designed to provide academic and social skills support to students with disabilities in their freshman year of high school. Emphasis will be on high school survival skills, study skills, and organizational strategies to facilitate a successful transition to high school. Students will also develop self-advocacy skills and an understanding of their individual strengths and needs and related accommodations necessary for success. Students will have the opportunity to have additional teacher assistance with assignments, tests, and projects required for their other classes.</p>
<p><b>STUDENT SKILLS FOR TRANSITION (SST) 10-11</b>  <b>Course Length:</b> 2 semesters  (may be repeated for credit)  <b>Grade Level:</b> 10-11</p>	<p><b>Prerequisite:</b> IEP team decision  <b>Course Description:</b> SST 10-11 is designed to provide support to students with disabilities who are participating in mainstreamed classes. Emphasis will be on study and organizational skills and strategies needed to be successful. Students will also develop self-advocacy skills and an understanding of their individual strengths and needs and related accommodations necessary for success. Students will have the opportunity to have additional teacher assistance with assignments, tests, and projects required for their other classes. Opportunities for Independent Study may be available to those students needing to complete additional credits. Students may also participate in additional educational opportunities related to their post-secondary transition goals for education, training, employment, and independent living.</p>
<p><b>STUDENT SKILLS FOR TRANSITION (SST) 12</b>  <b>Course Length:</b> 2 semesters  (may be repeated for credit)  <b>Grade Level:</b> 12</p>	<p><b>Prerequisite:</b> IEP team decision  <b>Course Description:</b> SST 12 is designed to provide support to seniors with disabilities who are participating in mainstreamed classes. In addition to study and organizational skills and strategies needed to be successful, 12<sup>th</sup> grade students will work on those skills needed to meet their post-secondary transition goals. These may include vocational and independent living skills related to seeking and keeping a job, managing a household, and community involvement. Students will continue to develop self-advocacy skills and an understanding of their individual strengths and needs and related accommodations necessary for success. Students will have the opportunity to have additional teacher assistance with assignments, tests, and projects required for their other classes. Opportunities for Independent Study may be available to those students needing to complete additional credits.</p>
<p><b>LIFE SKILLS LANGUAGE ARTS</b>  <b>Course Length:</b> 2 semesters  (may be repeated for credit)  <b>Grade Level:</b> 9-12</p>	<p><b>Prerequisite:</b> IEP team decision  <b>Course Description:</b> Students with disabilities will learn and effectively apply a variety of reading strategies for comprehending, interpreting, and evaluating a wide range of texts as well as learn and effectively apply a variety of writing skills, including the use of strategies to generate, plan and organize ideas for specific purposes based on the Arizona College and Career.</p>

<b>LIFE SKILLS MATH</b> <b>Course Length:</b> 2 semesters (may be repeated for credit) <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> IEP team decision <b>Course Description:</b> Students with disabilities will develop number and monetary sense and use number relationships to acquire basic facts, to solve a wide variety of real-world problems, and to determine the reasonableness of results based on the Arizona College and Career.
<b>LIFE SKILLS DAILY LIVING</b> <b>Course Length:</b> 2 semesters (may be repeated for credit) <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> IEP team decision <b>Course Description:</b> Students with disabilities will comprehend concepts related to health promotion and disease prevention. Students will demonstrate the ability to practice health-enhancing behaviors and reduce health risks. Students will also learn skills for independent living, including: home safety; meal planning; purchasing and preparation; cleaning; and clothing care based on the Arizona College and Career. Students may also participate in additional educational opportunities related to their post-secondary transition goals for education, training, employment, and independent living.
<b>LIFE SKILLS VOCATIONAL ARTS</b> <b>Course Length:</b> 2 semesters (may be repeated for credit) <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> IEP team decision <b>Course Description:</b> Students with disabilities use the principles of effective oral, written and listening communication skills to make decisions and solve workplace problems. Students will also work individually and collaboratively within team settings to accomplish objectives. Students will demonstrate a set of marketable skills which will enhance career options. Students will explore areas of interest and possible work choices based on the Arizona College and Career for workplace skills. Students may also participate in additional educational opportunities related to their post-secondary transition goals for education, training, employment, and independent living.
<b>LIFE SKILLS SCIENCE</b> <b>Course Length:</b> 2 semesters (may be repeated for credit) <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> IEP team decision <b>Course Description:</b> Using Life, Physical and Earth Sciences, students with disabilities will organize and analyze data and compare to predictions. They will also communicate observations using pictures, models, and/or words and then communicate with other groups to describe the results of an investigation based on the Arizona College and Career for science.
<b>LIFE SKILLS SOCIAL STUDIES</b> <b>Course Length:</b> 2 semesters (may be repeated for credit) <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> IEP team decision <b>Course Description:</b> Students with disabilities will employ basic economic concepts; evaluate problems and make rational choices as a consumer, worker and citizen. The student will demonstrate the use of geographic tools to locate and analyze information about people, places and environments within the community. Students will also learn about the basic rights and responsibilities of citizenship and the basic structure and concepts of the local government based on the Arizona College and Career for social studies.
<b>ADAPTIVE PHYSICAL EDUCATION</b> <b>Course Length:</b> 2 semesters (may be repeated for credit) <b>Grade Level:</b> 9-12	<b>Prerequisite:</b> IEP team decision <b>Course Description:</b> Adaptive PE is available for any student with disabilities who may need specialized instruction, therapy services or specialized equipment. Special needs may include speech, emotional, motor, visual, hearing or substantial learning deficits. Students are required to participate to the best of their ability in sports and physical activities.

## UNIVERSITY HIGH SCHOOL (UHS)



University High School is a research based college preparatory school designed to serve students with demonstrated desire and academic ability residing in the Tolleson Union High School District. Research indicates rigorous high school experiences, which are sustained for several years, support students as they move onto further academic challenges. Sustained academic rigor provides students with distinct opportunities to develop skills, knowledge, and attitude required for university success.

**Admission** – We welcome students of demonstrated motivation and ability to engage in a rigorous education that fosters responsibility and the spirited pursuit of knowledge. Information regarding the competitive admission process for University High can be found by visiting our website. Students are invited to enroll based upon the following: student academic performance; standardized scores; grade point average; and staff recommendation. Students admitted partake in rigorous courses which are comparable to the best private college preparatory schools in Arizona. To apply or receive information about University High, call 623-478-4212.

**Transportation** – University High students who reside within the Tolleson Union High School boundaries may be provided transportation. Students residing outside the Tolleson Union High School boundaries must provide their own transportation to and from school.

**Athletics and Extracurricular Participation** – The theme of University High is, “*Building a Legacy through Harnessing the Power of Dreams.*” We understand that one approach to building social skills and determination is through diverse extracurricular experiences. Clubs and organizations give students an opportunity to improve leadership qualities, learn new skills, meet other students with similar interests, and to have fun. Therefore, students are encouraged to participate in extracurricular activities. University High School, in conjunction with Tolleson Union High School, offers a comprehensive program of academic and extracurricular activities.

❖ UH FOREIGN LANGUAGE

**UH SPANISH 1-2**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 9-12



**Prerequisite:** Enrollment in the University High  
**Course Description:** Students will build communication skills including speaking, reading, writing, and listening. Students will use basic vocabulary related to people, places, things, and actions related to their own lives. Students will express themselves in phrases, short sentences and memorized material in the present, present progressive, and past tenses. In addition, students will learn cultures of the people where the language is spoken. Upon successful completion of the course, students will be able to describe, ask and answer simple questions, engage in simple conversations and carry out simple functions at the Readiness level, as stated in Arizona College and Career Ready Standards.

**UH SPANISH 3-4**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 10-12



**Prerequisite:** Enrollment in the University High Program and Spanish 1-2  
**Course Description:** Students will continue to build their communication skills including speaking, reading, writing, and listening. Students will use an intermediate level of vocabulary to express themselves in longer sentences and phrases. Students will use the present, present progressive, past (including the preterit and imperfect), and imperative tenses with greater ease and write paragraph length material. In addition, students will learn cultures of the people where the language is spoken. Upon successful completion of the course, students will be able to read, write, listen, and speak at the Foundations level, as stated in Arizona College and Career Ready Standards.

**UH SPANISH 5-6**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12



**Prerequisite:** Enrollment in the University High Program and Spanish 3-4  
**Course Description:** Students will continue to build their communications skills including speaking, reading, writing, and listening. Students will narrate, describe ideas, and give opinions. Students will express their ideas completely and interestingly in communicating with generally accurate grammar, vocabulary, spelling, accents, and punctuation. Students will use the present, present progressive, past (including preterit and imperfect), imperative, conditional, subjunctive, and future. Students will be exposed to authentic expository and fictional material produced for native speakers and write multi-paragraph essays on a variety of topics. In addition, students will learn cultures of the people where the language is spoken. Upon successful completion of this course, students will read, write, listen, and speak the language at the Essentials level, as stated in Arizona College and Career Ready Standards.

**UH NATIVE SPANISH 1-2**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 9-12



**Prerequisite:** Enrollment in the University High Program and student speaks Spanish on a regular basis  
**Course Description:** This course stresses the development of oral, reading and writing skills, vocabulary building and accurate communication skills for the bilingual student. Students will research various topics, analyze texts, write essays and compositions, and read narratives and short stories. Students will learn grammar structures such as the present, present progressive, past (including the preterit and imperfect), and imperative, subjunctive, conditional, and future. In addition, students will learn and compare Spanish Speaking cultures. Upon successful completion of this course, students will read, write, listen, and speak Spanish at the Proficiency level as stated in Arizona College and Career Ready Standards.

**UH ADV PLACEMENT SPANISH LANGUAGE**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 10-12



**Prerequisite:** Native Spanish 1-2 or Spanish 5-6  
**Course Description:** This course is designed to prepare students for the Advanced Placement exam and stresses the development of oral reading and writing skills for the intermediate bilingual student. Students will research various topics, analyze texts, and write essays and compositions, and read narratives, short stories, and novels. Advanced grammar structures and language such as the present, present progressive, past (including the preterit and imperfect), imperative, future, conditional, subjunctive, past progressive, pluperfect, and past subjunctive will be reinforced and emphasized. In addition, students will learn and compare Spanish Speaking cultures. Upon successful completion of this course, students will read, write, listen, and speak Spanish at the Distinction level, as stated in Arizona College and Career Ready Standards.

**UH ADV PLACEMENT SPANISH LITERATURE**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 12

**Prerequisite:** Enrollment in the University High Program and AP Spanish Language  
**Course Description:** Emphasis in this course is given to advanced reading, writing, and oral proficiency. Students continue the study of Spanish literature. Students may elect to take the Advanced Placement Spanish Literature Test.

**UH FRENCH 1-2**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 9-12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** Students will build communication skills including speaking, reading, writing, and listening. Students will use basic vocabulary related to people, places, things, and actions related to their own lives. Students will express themselves in phrases, short sentences and memorized material in the present, present progressive, and past tenses. In addition, students will learn cultures of the people where the language is spoken. Upon successful completion of the course, students will be able to describe, ask and answer simple questions, engage in simple conversations, and carry out simple functions at the Readiness level, as stated in Arizona College and Career Ready Standards.

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**UH FRENCH 3-4**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 10-12



**Prerequisite:** Enrollment in the University High Program and French 1-2  
**Course Description:** Students will continue to build their communication skills including speaking, reading, writing, and listening. Students will use an intermediate level of vocabulary to express themselves in longer sentences and phrases. Students will use the present, present progressive, past (including the preterit and imperfect), and imperative tenses with greater ease and write paragraph length material. In addition, students will learn cultures of the people where the language is spoken. Upon successful completion of the course, students will be able to read, write, listen, and speak at the Foundations level, as stated in Arizona College and Career Ready Standards.

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**UH FRENCH 5-6**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12



**Prerequisite:** Enrollment in the University High Program and French 3-4  
**Course Description:** Students will continue to build their communications skills including speaking, reading, writing, and listening. Students will narrate, describe ideas, and give opinions. Students will express their ideas completely and interesting in communicating with generally accurate grammar, vocabulary, spelling, accents, and punctuation. Students will use the present, present progressive, past (including preterit and imperfect), imperative, conditional, subjunctive, and future. Students will be exposed to authentic expository and fictional material produced for native speakers and write multi-paragraph essays on a variety of topics. In addition, students will learn cultures of the people where the language is spoken. Upon successful completion of this course, students will read, write, listen, and speak the language at the Essentials level, as stated in Arizona College and Career Ready Standards.

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**UH ADV PLACEMENT  
FRENCH LANGUAGE**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 12



**Prerequisite:** Enrollment in the University High Program and French 5-6  
**Course Description:** This course is designed to prepare students for the Advanced Placement exam. Students will use more advanced grammatical structures including the present, present progressive, past (including the preterit and the imperfect), imperative, conditional, subjunctive, future, past progressive, pluperfect, and past subjunctive. Students will write in order to effectively explain their point of view and read non-technical material and literature. In addition, students will learn culture of the people where the language is spoken. Upon successful completion of this course, students will be able to read, write, listen, and speak the language of the Proficiency level, as stated in Arizona College and Career Ready Standards.

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❖ *UH LANGUAGE ARTS*

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**UH ADV FRESHMAN  
ENGLISH 1-2**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 9



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course covers the same competencies as Freshman English, but goes into more detail and uses more complex literature. The course will concentrate on composition skills that will be demanded of students throughout their high school courses. The Six Trait Writing Process will be analyzed and evaluated. Advanced reading strategies will be practiced.

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**UH ADV SOPHOMORE  
ENGLISH**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 10



**Prerequisite:** Enrollment in the University High Program and teacher recommendation  
**Course Description:** This course is designed to provide students with a broader and deeper experience in literature, composition, and oral communication than the regular sophomore English course. The class will read fiction and non-fiction works of various cultures, genres and time periods.

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**UH PRE-AP SOPHOMORE  
ENGLISH**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 10



**Prerequisite:** Enrollment in the University High Program and teacher recommendation  
**Course Description:** Pre-AP English is a challenging and exacting course enjoyable for those students who are prepared to read widely, analyze in-depth, and write with enthusiasm and accuracy. The curriculum enhances the Adv English 10 curriculum emphasizing analysis of non-fiction texts, essays and speeches as well as short story, novel, poetry, film. This course will emphasize growth in various kinds of composition. Coursework will include extensive work in test preparation for the PSAT and more in-depth work on the writing components for the SAT.

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**UH ADV JUNIOR  
ENGLISH 1-2**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 11



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** Junior English is designed for students to learn and effectively apply a variety of reading strategies using American Literature as the content. Students will analyze the author's use of literary elements, and analyze classic and contemporary literature for the universality of themes. Students will also evaluate the author's persuasive techniques. In writing, students will analyze the use of literary elements, write an informational report and a persuasive essay. Students will write using the Six Trait Writing Process and the Six Trait Rubric.

**UH ADV PLACEMENT ENGLISH LANGUAGE/COMPOSITION COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 11



**Prerequisite:** Enrollment in the University High Program

**Course Description:** This course leads to the AP exam in English Language and Composition. The course engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. The course will emphasize the expository, analytical, and argumentative writing that forms the basis of academic and professional communication as well as the personal and reflective writing that fosters the development of writing facility in any context. The purpose is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers.

**UH ADV SENIOR ENGLISH 1-2 COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 12



**Prerequisite:** Enrollment in the University High Program

**Course Description:** Senior English is designed for students to learn and effectively apply a variety of reading strategies using British Literature as the content. They will evaluate the author's use of literary elements. Students will analyze classic and contemporary literature for the universality of themes. Students will also write an evaluation or critique a literary selection and craft a cohesive research document. Students will write using the Six Trait Writing Process and the Six Trait Rubric.

**UH ADV PLACEMENT ENGLISH LITERATURE/COMPOSITION COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 12



**Prerequisite:** Enrollment in the University High Program

**Course Description:** This course leads to the AP exam in English Literature and Composition. The course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students will consider a work's structure, style, and themes as well as such literary devices as figurative language, imagery, symbolism, and tone. The course will include intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit from various genres and cultures. In addition to considering a work's literary artistry, students should consider the social and historical values it reflects and embodies. The writing for this course will emphasize persuasive, analytical, exploratory and research-based writing. Student writing will develop and organize ideas in clear, coherent, and persuasive language that demonstrates stylistic maturity.

## ❖ UH MATHEMATICS

**UH ALGEBRA I COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 9-12



**Prerequisite:** Placement by Math Department Chair based on 8th grade math teacher recommendation or pre-test

**Course Description:** This course includes: properties of real numbers, solving and graphing linear equations, solving and graphing linear inequalities, exponents, quadratic equations, polynomials and factoring, rational expressions and equations, data analysis, patterns and probability.

**UH ADV ALGEBRA I COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 9



**Prerequisite:** Enrollment in the University High Program

**Course Description:** This course includes a more in-depth study of: properties of real numbers, solving and graphing linear equations, solving and graphing linear inequalities, exponents, quadratic equations, polynomials and factoring, rational expressions and equations, data analysis, patterns and probability.

**UH ALGEBRA II COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 9



**Prerequisite:** Enrollment in the University High Program

**Course Description:** This course extends the algebraic topics addressed in Algebra I including linear equations, inequalities and functions, quadratic functions and inequalities, matrices, polynomial and radical expressions, rational expressions, sequences and series, irrational and complex numbers, discrete mathematics and probability, and trigonometric functions.

**UH ADV ALGEBRA II COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 9



**Prerequisite:** Enrollment in the University High Program

**Course Description:** This course covers the following topics: problem solving, linear relationships, functions and relations, graphing, systems of equations and inequalities, complex numbers, zeros of polynomial functions, exponential and logarithmic functions, counting and probability, introduction to trigonometry, trigonometric graphs, analyzing data.

**UH GEOMETRY COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 10



**Prerequisite:** Enrollment in the University High Program

**Course Description:** This course includes: properties of angles and lines, triangle relationships and congruencies, quadrilaterals, polygons, circles, similarities, surface area and volume, transformations, basic right triangle trigonometry.

**UH ADV GEOMETRY COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 10



**Prerequisite:** Enrollment in the University High Program

**Course Description:** This course will offer a more in-depth approach to Geometry where students will use deductive reasoning to prove theorems. Each student will develop the ability to solve real world problems using the properties and relationships of geometric figures.

**UH COLLEGE ALGEBRA**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course is a study of quadratic equations, relations and functions, theory of equations, systems of equations and inequalities, matrixes and determinants, binomial theorem, logarithms sequences and series, permutations and combinations and probability. There will be review and reinforcement of skills and concepts in addition to the thorough study of each topic. This course is intended for college bound students whose planned course of study does not require calculus.

**UH PRE-CALCULUS**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course is a study of logic, analyzing functions, system of equations and inequalities, integers, and polynomials over the field of complex numbers, rational numbers and rational functions, trigonometric identities and equations, recursion and mathematical induction, polar coordinates and complex numbers, combinatorics and vectors.

**UH ADV PLACEMENT**  
**STATISTICS**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12



**Prerequisite:** Enrollment in the University High Program, successful completion of Algebra II  
**Course Description:** The purpose of the AP course in Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- Exploring Data – Describing patterns and departures from patterns
- Sampling and Experimentation – Planning and conducting a study
- Anticipating Patterns – Exploring random phenomena using probability and simulation
- Statistical Inference – Estimating population parameters and testing hypotheses

**Note: Students who successfully complete the course and examination may receive credit, advanced placement, or both for a one-semester introductory college statistics course.**

**UH ADV PLACEMENT**  
**CALCULUS AB**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course is primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important.

**UH ADV PLACEMENT**  
**CALCULUS BC**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course is a full-year course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics, but both courses are intended to be challenging and demanding and require a similar depth of understanding of common topics.

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❖ **UH SCIENCE**

**UH PRE-AP BIOLOGY**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 9



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course is designed to provide students with the foundations for future AP science courses. It includes all topics covered in Biology plus additional topics. This course is intended to be challenging and demanding. Arizona College and Career Ready Standards taught include the nature of science, scientific method, biodiversity, cell biology, genetics, and evolution. Learning and thinking skills, including problem solving, predicting, analysis of data, evaluating and synthesizing, will be emphasized.

**UH ADV PLACEMENT**  
**BIOLOGY**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. The ongoing knowledge explosion in biology makes these goals even more challenging. AP Biology develops an understanding of concepts rather than on memorizing terms and technical details. Essential to this conceptual understanding are the following: a grasp of science as a process rather than as an accumulation of facts; personal experience in scientific inquiry; recognition of unifying themes that integrate the major topics of biology; and application of biological knowledge and critical thinking to environmental and social concerns.

**UH ADV CHEMISTRY**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 10-12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course is intended for students interested in any science major in college, including those whose career goals are in health professions, engineering, and the environmental sciences. An understanding of atomic structure, bonding of molecules, redox reactions and equilibria, balancing chemical equations, the mole concept, nuclear chemistry, the gas laws, acid-base reactions, and solutions are the major topics covered. Laboratory applications are conducted.



**UH ADV PLACEMENT  
CHEMISTRY  
COURSE # SEE COUNSELOR  
Course Length:** 2 semesters  
**Grade Level:** 10-12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students should attain a depth of understanding of fundamentals and reasonable competence in dealing with chemical problems. The course contributes to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. The college course in general chemistry differs qualitatively from the usual first secondary school course in chemistry with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation to principles, and the kind of laboratory work done by students. Quantitative differences appear in the number of topics treated, the time spent on the course by students, and the nature and the variety of experiments done in the laboratory.

**UH ADV PHYSICS  
COURSE # SEE COUNSELOR  
Course Length:** 2 semesters  
**Grade Level:** 10-12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course will provide students with an understanding of major physics concepts and encourage their applications to life experiences. The areas to be studied are kinematics and vectors, dynamics, work and energy, internal energy and heat wave phenomena electricity and magnetism and atomic and nuclear physics.

**UH ADV PLACEMENT  
PHYSICS-B  
COURSE # SEE COUNSELOR  
Course Length:** 2 semesters  
**Grade Level:** 10-12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course develops both a quantitative and a qualitative conceptual understanding of general principles of physics and models the nature of scientific inquiry. The level of mathematical sophistication required includes intermediate algebra and trigonometric concepts.

**Note: Dual Enrollment may be offered for this course.**

**UH ADV PLACEMENT  
PHYSICS-C MECHANICS  
COURSE # SEE COUNSELOR  
Course Length:** 2 semesters  
**Grade Level:** 11-12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course is designed for students who will have a college major in engineering or science and is a calculus based application of Newtonian Mechanics. Studies include: kinematics, Newton's laws of motion, work, energy, power, systems of particles, linear momentum, circular motion, angular momentum, oscillations and gravitation. Lecture will be 3 hours/week and laboratory 2 hours/week. Students are required to take the AP Physics-C Mechanics exam during the spring semester.

**UH ADV BIOLOGY HUMAN  
ANATOMY/PHYSIOLOGY  
COURSE # SEE COUNSELOR  
Course Length:** 2 semesters  
**Grade Level:** 11-12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** A fast-paced study of the structure and dynamics of the human body taught at distinction level standards. Homework, research projects, major dissections and clinical applications are an integral part of the course.

**UH ADV PLACEMENT  
ENVIRONMENTAL SCIENCE  
COURSE # SEE COUNSELOR  
Course Length:** 2 semesters  
**Grade Level:** 11-12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternate solutions for resolving or preventing them.

**UH ADV PLACEMENT PHYSICS  
ELECTRICITY/MAGNETISM  
COURSE # SEE COUNSELOR  
Course Length:** 2 semesters  
**Grade Level:** 11-12



**Prerequisite:** Enrollment in the University High Program and must be concurrently enrolled in Calculus AB or BC  
**Course Description:** This course provides instruction in each of the following five content areas: electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. This course will utilize guided inquiry and student centered learning to foster the development of critical thinking skills and will use introductory differential and integral calculus throughout the course.

### ❖ UH SOCIAL STUDIES

**UH ADV PLACEMENT HUMAN  
GEOGRAPHY  
COURSE # SEE COUNSELOR  
Course Length:** 2 semesters  
**Grade Level:** 9



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course includes the systematic study of patterns and processes that have shaped human use of the Earth's surface. APHG provides freshman students with their first Advanced Placement learning experience. The following topics will be examined: geographic perspectives, population, cultural patterns & processes, political organization of geographic space, agricultural & rural land use, industrialization, economic development, and urban land use.

**UH WORLD  
HISTORY/GEOGRAPHY  
COURSE # SEE COUNSELOR  
Course Length:** 2 semesters  
**Grade Level:** 10



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** (World History) Students analyze the recent human experience (1600-1914; Age of Enlightenment, Revolution, Nationalism and Imperialism), to recognize the relationship of events and people, and interpret significant patterns, themes, ideas, beliefs and turning points in World History. (World Geography) Students analyze locations, regions, and spatial connections, recognizing the natural and cultural processes that impact the way in which people and societies live and interact with each other and their environment.

**UH ADV WORLD HISTORY/GEOGRAPHY**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 10



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** (World History) Students analyze the recent human experience (1600-1914; Age of Enlightenment, Revolution, Nationalism and Imperialism), to recognize the relationship of events and people, and interpret significant patterns, themes, ideas, beliefs and turning points in World History. (World Geography) Students analyze locations, regions, and spatial connections, recognizing the natural and cultural processes that impact the way in which people and societies live and interact with each other and their environment.

**UH ADV PLACEMENT WORLD HISTORY**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 10



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** The purpose of this course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Periodization, explicitly discussed, forms an organizing principle for dealing with change and continuity throughout the course. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study.

**UH UNITED STATES/ARIZONA HISTORY/GEOGRAPHY**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 11



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** Students analyze the recent American experience (1876-1990; American Industrial Revolution to the Persia Gulf War), recognize the relationship of events and people, and interpret significant patterns, themes, ideas, beliefs and turning points in American and Arizona history.

**UH ADV UNITED STATES/ARIZONA HISTORY/GEOGRAPHY**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 11



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** Students analyze the recent American experience (1876-1990; American Industrial Revolution to the Persia Gulf War), recognize the relationship of events and people, and interpret significant patterns, themes, ideas, beliefs and turning points in American and Arizona history.

**UH ADV PLACEMENT UNITED STATES HISTORY**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 11



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course should develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence, clearly and persuasively, in essay format.

**UH ADV PLACEMENT GOVERNMENT/POLITICS**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** In this course, students will be given an analytical perspective on government and politics in the United States. The course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitutes U.S. politics. The following topics will be examined: Constitutional Underpinnings; Political Beliefs and Behaviors; Political Parties; Interest Groups; Mass Media; Institutions such as Congress, Presidency, Bureaucracy and Courts; Public Policy; and Civil Rights and Civil Liberties.

**UH UNITED STATES/ARIZONA GOVERNMENT**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 1 semester  
**Grade Level:** 12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** In this course, the basic structure and development of the United States/Arizona government will be examined. The topics of democracy, federalism, civil rights and civic responsibilities will be highlighted.

**UH ADV UNITED STATES/ARIZONA GOVERNMENT**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 1 semester  
**Grade Level:** 12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** In this course, the basic structure and development of the United States/Arizona government will be examined. The topics of democracy, federalism, civil rights and civic responsibilities will be highlighted.

**UH ECONOMICS**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 1 semester  
**Grade Level:** 12



**Prerequisite:** None  
**Course Description:** This course will provide a strong, practical understanding of the free market concept in American capitalism. Microeconomics will study the impact of individual economic behavior and macroeconomics will focus on the economy as a whole.

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**UH ADV PLACEMENT  
EUROPEAN HISTORY  
COURSE # SEE COUNSELOR  
Course Length:** 2 semesters  
**Grade Level:** 10-12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** The study of European History since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of the AP program in European History are to develop (a) an understanding of some of the principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical and understanding in writing.

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**UH ADV PLACEMENT  
COMPARATIVE  
GOVERNMENT/POLITICS  
COURSE # SEE COUNSELOR  
Course Length:** 2 semesters  
**Grade Level:** 12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course State Regulated Assessment to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Comparison assists both in identifying problems and in analyzing policymaking.

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**UH ADV PLACEMENT  
MICROECONOMICS  
COURSE # SEE COUNSELOR  
Course Length:** 2 semesters  
**Grade Level:** 12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course is designed to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price-level determination and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth and international economics.

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**UH ADV PLACEMENT  
MACROECONOMICS  
COURSE # SEE COUNSELOR  
Course Length:** 2 semesters  
**Grade Level:** 12



**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course is designed to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

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### ❖ UH ELECTIVES

University High students have access to all elective courses offered at Tolleson Union High School. The courses listed below are courses containing only University High students. Any other electives taken will contain a mixture of UH students and Tolleson Union High School students.

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**UH WELLNESS  
COURSE # SEE COUNSELOR  
Course Length:** 2 semesters  
**Grade Level:** 9

**Prerequisite:** Enrollment in the University High Program  
**Course Description:** Wellness takes an integrated approach to teaching health and physical education. The focus is on individual students and their responsibility to manage many aspects of their mental, social and physical lives. The goal of this course is to inform and equip students with decision-making skills in critical areas of their health and wellness. Students are required to fully participate in sports and activities that improve personal fitness.

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**UH STUDENT COUNCIL  
STUDENT LEADERSHIP B  
LEVEL OR PASS/FAIL**

This course is designed to provide students with an awareness of the operational aspects of representative government. A study of the leadership and communication skills necessary to effectively perform the responsibilities of student government will also be included. Instructor approval is required for enrollment.

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**UH CREATIVE WRITING  
COURSE # SEE COUNSELOR  
Course Length:** 1 semester  
**Grade Level:** 9

**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course will stress the development of the individual's ability to write various types of material, such as poetry, plays and short stories.

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**UH BEGINNING  
JOURNALISM  
COURSE # SEE COUNSELOR  
Course Length:** 2 semesters  
**Grade Level:** 9-12

**Prerequisite:** Enrollment in the University High Program  
**Course Description:** This course is the study of principles and practices in the field of journalism. Students will learn the basics of story writing, page design, page layout, digital cameras, photography, and photo manipulation as it applies to the media today. This class will prepare students to enroll in the yearbook or newspaper staffs on campus the following year.  
**Note: This course does not fulfill the English graduation requirement.**

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**UH BEGINNING  
SPEECH/DEBATE  
COURSE # SEE COUNSELOR  
Course Length:** 1 semester  
**Grade Level:** 9

**Prerequisite:** Enrollment in the University High Program  
**Course Description:** Beginning speech emphasizes the fundamentals of speech preparation, delivery, and listening skills. Current topics are used for subjects. In-class research is required.

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**UH ADV SPEECH  
(FORENSICS)**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 1 semester  
(may be repeated for credit)  
**Grade Level:** 9-12

**Prerequisite:** Enrollment in the University High Program and Beginning Speech recommended but not required  
**Course Description:** This course is designed to provide students with the opportunity to continue the study and practice of oral expression and oral composition and to encourage students to compete in the many forensic tournaments throughout the state. Speaking experience will include oral interpretation of prose and poetry, extemporaneous speaking, debate and oratory. The skills of analysis, reasoning, research and leadership will be an integral part of the course.

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**UH ACADEMIC/CAREER  
SUCCESS**  
**COURSE # SEE COUNSELOR**  
**Course length:** 1 semester  
**Grade level:** 9-12

**Prerequisite:** Enrollment in the University High Program  
**Course Description:** Students will explore different educational and career opportunities through projects and group activities. There is an emphasis on communication skills, goal planning and successful transition from high school. At the end of the course students will have electronic portfolios with plans for high school, college, and careers.  
**Note: This course does not fulfill CTE requirement for graduation.**

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**UH ADV PLACEMENT  
COMPUTER SCIENCE A**  
**COURSE # SEE COUNSELOR**  
**Course Length:** 2 semesters  
**Grade Level:** 11-12

**Prerequisite:** Enrollment in the University High Program and a C or higher in Algebra II  
**Course Description:** The course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development, and is meant to be the equivalent of a first-semester college-level course in computer science. It also includes the study of data structures, design, and abstraction.

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# **NOTES**