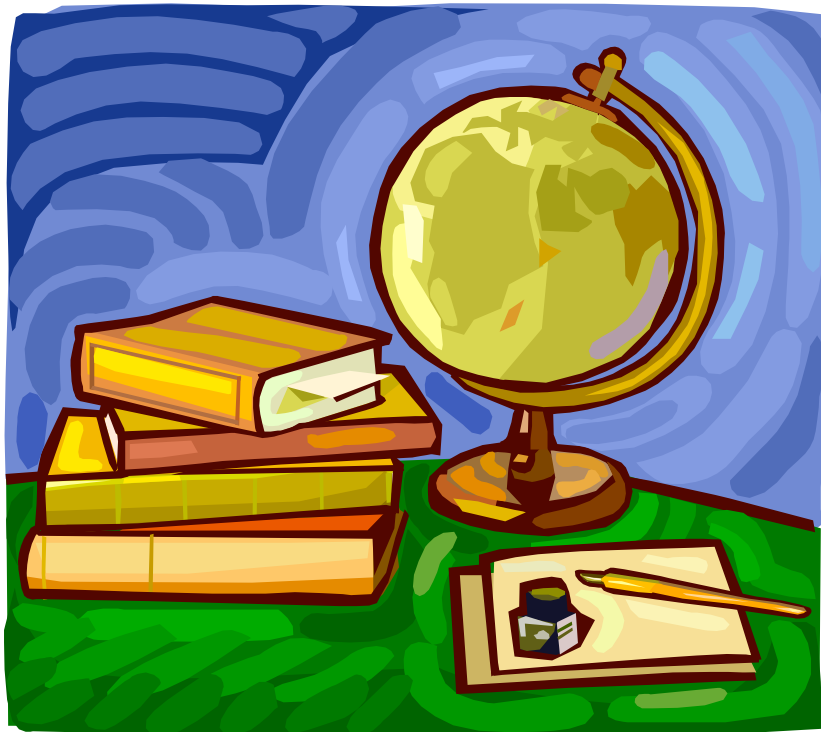


2009-2010
Course Description Guide



Sahuarita High School

**Guide to Course Descriptions
Table of Contents**

Graduation Requirements, cohorts 2010-2012 3

Graduation Requirements, cohort 2013. 4

4-Year Plan 5

Graduation Credit Check List..... 6

Arizona Tri-University Admission Standards 7

Arizona Academic Scholars Program.. 8

Definitions 9

Comprehensive Competency Based Guidance..... 9

Art..... 10

Performing Arts 10

Electives 11

Language Arts..... 12

World Languages..... 14

Mathematics 14

Music..... 16

Physical Education/Health..... 18

Science 19

Social Studies 20

Naval JR. ROTC 21

Career and Technical Education (CTE). 22

Joint Technological Education District (JTED)..... 30

Graduation Requirements

Cohort 2010-2012

<u>SUBJECT</u>	<u>CREDITS</u>
<p>ENGLISH Juniors/Seniors must be enrolled in an AIMS reading/writing class if they have not met or exceeded the standards on AIMS Reading and/or Writing test. Elective credit only.</p>	4
<p>MATH Juniors/Seniors must be enrolled in an AIMS math class if they have not met or exceeded the standards on AIMS Math test. Elective credit only.</p>	3
<p>SOCIAL STUDIES (Grade 10) World Geography/History = 1 (Grade 11-12) American History = 1 (Grade 12) American & Arizona Government = 1 Economics = ½ (As per AZ Statute, cohort 2012)</p>	3½
<p>SCIENCE –Years of Lab Science (In 3 different subject areas)</p>	3
<p>PHYSICAL EDUCATION (Grade 9, 10, 11 or 12) Required. A doctor's certificate is required for exemption.</p>	1
<p>CAREER & TECHNICAL OR FINE ARTS</p>	1
<p>HEALTH</p>	½
<p>ELECTIVES</p>	6
<p>Total <u>minimum</u> number of credits required for graduation.</p>	22

Graduation Requirements

Cohort 2013

<u>SUBJECT</u>	<u>CREDITS</u>
<p>ENGLISH Juniors/Seniors must be enrolled in an AIMS reading/writing class if they have not met or exceeded the standards on AIMS Reading and/or Writing test. Elective credit only.</p>	4
<p>MATH Juniors/Seniors must be enrolled in an AIMS math class if they have not met or exceeded the standards on AIMS Math test. Elective credit only. Algebra II = 1 credit (As per AZ Statute, cohort 2013)</p>	3
<p>SOCIAL STUDIES (Grade 10) World Geography/History = 1 (Grade 11-12) American History = 1 (Grade 12) American & Arizona Government = 1 Economics = ½ (As per AZ Statute, cohort 2012)</p>	3½
<p>SCIENCE –Years of Lab Science (In 3 different subject areas)</p>	3
<p>PHYSICAL EDUCATION (Grade 9, 10, 11 or 12) Required. A doctor's certificate is required for exemption.</p>	1
<p>CAREER & TECHNICAL OR FINE ARTS</p>	1
<p>HEALTH</p>	½
<p>ELECTIVES</p>	6
<p>Total <u>minimum</u> number of credits required for graduation.</p>	22

Four-Year Plans

The following plans are guides. Courses will vary with every student based on AP courses, ELD, Regular, or Special Needs students.



Freshman Year
Freshman English
Algebra/Algebra Standards
Integrated Science
P.E.
Elective
Elective
Total Credits = 6

Sophomore Year
Sophomore English
Geometry/Geometry Standard
Biology
Health / P.E. or elective
World History
Elective
Total Credits = 6

Junior Year
Junior English
Algebra II/ Trigonometry
Chemistry
American History
Elective
Elective
Total Credits = 6

Senior Year
Senior English
Math/Elective
Science/Elective
Am. Government
Elective/Economics for cohort 2013
Elective
Total Credits = 6

Graduation Credit Check List

Graduation Requirements		✓ = Completed • = Taking Now Blank = Needs to take		AIMS	
English	4	9 th	9 th	Test	✓ = Passed
		10 th	10 th		
		11 th	11 th		
		12 th	12 th		
Mathematics	3	1 st sem.	2 nd sem.	Math	
		1 st sem.	2 nd sem.		
		1 st sem.	2 nd sem.		
Science	3	1 st sem.	2 nd sem.		
		1 st sem.	2 nd sem.	Reading	
		1 st sem.	2 nd sem.		
Physical Ed.	1	1 st sem.	2 nd sem.		
Health	0.50				
World History	1	1 st sem.	2 nd sem.	Writing	
American History	1	1 st sem.	2 nd sem.		
American Gov.	1	1 st sem.	2 nd sem.		
Fine Art/Voc.	1	1 st sem.	2 nd sem.		
Electives	6.50				
Total	22				

In addition to the high school credits the following credits must be fulfilled if planning to attend a university.

University Requirements

English	4 years	High School credits will fulfill this requirement			
Math	4 years	1	2	3	4
Lab Science	3 years	High School credits will fulfill this requirement			
Social Studies	2 years	High School credits will fulfill this requirement			
Foreign Language	2 years	1	2	Of the same language	
Fine Arts	1 year	1			
Total Credits	24 credits	for university acceptance without deficiencies			

ARIZONA TRI-UNIVERSITY ADMISSION STANDARDS FIRST YEAR

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

APTITUDE REQUIREMENTS

			Composite Score				HIGH SCHOOL
FIRST YEAR ¹	CLASS RANK		ACT		SAT		GPA (4.00 = A)
AZ RESIDENTS	Top quarter	<i>or</i>	22	<i>or</i>	1040	<i>or</i>	3.00 + (16 Core Courses)

1. All **FIRST YEAR** students who carry a GPA from 2.50 to 2.99 or who rank in the top 25% of the graduating class and have no more than one deficiency in any two subjects in the coursework requirements are admitted with conditions. Students admitted with conditions may be required to participate in academic assistance programs.

ACADEMIC COMPETENCY REQUIREMENTS

Subject Areas	High School Core Courses	ACT Scores	SAT Test scores	College course work
English units (comp or lit)	English I English II English III English IV	English sub score of 21 or above	Verbal sub score of 450/530* or above	on transferable 3-credit English course
Math units	Algebra I Geometry Algebra II Advanced Math for which Algebra II is a prerequisite	Math sub score of 20 or above	Math sub score of 500/520* or above	3-credit course for which Algebra II is a prerequisite
Laboratory Science units	One unit from any three of the following: Biology, Chemistry, Physics, Earth Science, or 3 lab science units	Natural science sub score of 20 or above	SAT II subject test scores: Chemistry: 575/605* or above Biology: 550/590* or above Physics: 590/620* or above	three 4-credit transferable lab science courses
		<i>Test scores may be used to satisfy only one lab science unit</i>		
Social Studies units	one unit of history including one course of American History; one additional unit from: European/World History, Economics, Sociology, Geography, Government, Psychology, Anthropology	Equivalent not available	SAT II subject test scores: American History/Social Studies: 510/560* or above; European World Culture; 545 or above	one 3-credit transferable American History course and one more transferable 3-credit social science course.
Foreign Language^a Units ^a includes sign language	two units of the same Foreign Language	Testing: Attain minimum score (listing in general university catalogs) on national standardized foreign language exams*** or placement into third semester based on results of standardized foreign language exam given by the university.		one year of transferable study in the same foreign language
Fine Arts** unit	one unit of fine arts or any combination of 2 semesters of high school fine arts	N/A	N/A	one 3-credit transferable fine arts class

Arizona Academic Scholars Course of Study

- ❑ **4** credits of **English** per Arizona Academic Standards
- ❑ **3** credits of **math** through Algebra II per Arizona Academic Standards (Alg I, Geom, Alg II)
- ❑ **3** credits of **social studies** per Arizona Academic Standards (W. Hist, Am. Hist, Am. Gov't)
- ❑ **3** credits of **lab sciences** including Biology, Chemistry, and Physics or a physical science per Arizona Academic Standards and as defined by the Arizona Board of Regents
- ❑ **2** credits of a **language other than English (Must be 2 credits of the same language)**
- ❑ A grade of **C or better** in every Scholars class and meet all other graduation requirements of the school district.
- ❑ **Students who meet above requirements will receive an Arizona Academic Scholars Medal at graduation.**



...an initiative of Arizona Business & Education Coalition

Definitions

Dual Enrollment – Students are enrolled in Pima Community College classes on SHS campus. Students work towards graduation credit, high school grade is weighted, as well as earning PCC credit. (PCC assessment in Reading, Writing, and Math is required and admission to PCC is required.) A passing grade of C or above will allow a student to continue in the second semester PCC course. ***A student who fails the course in the first semester will be placed in a standard course.***

Weighted - Weighted courses cover a wider scope of material, in greater depth, at a faster pace than the standard courses. Weighted courses are designed for students who have a compelling interest in the subject area, are self-motivated and independent learners, demonstrate maturity and self-regulated behavior, have well-developed study habits and time management skills, and generally excel academically.

A student who fails the course in the first semester will be placed in a standard course.

Weighted Courses - PCC College Algebra; AP English Literature; AP English Language and Composition; AP Spanish Language; AP Calculus; AP Government/Politics; AP US History and AP Biology.

AP Courses – In order to have an Advanced Placement course noted as such on their transcript, a student must complete both semesters of the course and take, at their own expense, the A.P. Exam. The course will then be listed as an A.P. course on their transcript. All scores on the A.P. exam will be accepted for this to occur. Those students, who DO NOT complete the entirety of the course or DO NOT take the A.P. exam, shall have the course listed on their transcript without the A.P. denotation. The weighted grade for the course content will remain in place, if the course is not completed in accordance to the above guidelines.

COMPREHENSIVE COMPETENCY BASED GUIDANCE

The School Counselors, in cooperation with other departments, teach career and vocational competencies. Class presentations include four year planning, interest inventories, skill assessments, work attitudes, self-esteem, career exploration and college/career planning. Students will receive instruction in various classes during both fall and spring semesters. The School Counselors also plan various parent events in order to inform parents of post secondary options and time frames. Calendars of parent events are available in the Career Center.

ART

ART I

Grades 9–12

Course #7000

Students will be engaged in exercises based on the principles of design and evaluation in relation to the study of color, shape, space, value, line and texture. All projects will be based on the Arizona Visual Arts Standards. There will also be reading and writing assignments focusing on art history, contemporary arts and art techniques. The course is divided into two semesters: one semester will emphasize two-dimensional projects that will include pastels, watercolors, tempera, pen and ink, pencil and charcoal. The second semester will be devoted to three-dimensional work in ceramics, papier-mâché, and wire, cardboard and multi-media. The Art I Course is a prerequisite for all other art courses.

Course Fee: \$40.00 per year

ART II

Grades 10–12

Course #7200

Prerequisite: Art I; minimum grade of a B.

This course will be devoted to a more advanced level of art experiences. Students will be encouraged to explore their own individual art styles as well as incorporating meaning into their work. There will be a focus on art history, contemporary art, art critiques and portfolio building. The year will be divided into the creating of two and three-dimensional projects.

Course Fee: \$40.00 per year

Art III

Grades 11–12

Course #7300

Prerequisite: Art I and Art II; minimum grade of a B.

This course is a continuation of Art II. Students will study advanced materials to produce three-dimensional and two-dimensional artwork. There is also an emphasis on portfolio building, post-secondary educational opportunities and career planning. Students will also have opportunities to show their work in the community and participate in various art contests and exhibitions. This course may be repeated for credit.

Course Fee: \$40.00 per year

Advanced 2D

Grades 10-12

Course #7400

Prerequisite: Art 1; minimum grade of a B.

This course is offered for the **spring semester only**. Students will continue to explore a variety of two-dimensional media including: painting, drawing, collage and printmaking. They will also become aware of contemporary art movements and concepts through internet research and exposure to the work of various artists.

Course Fee: \$20.00 for the semester

Advanced Ceramics

Grades 10-12

Course #7500

Prerequisite: Art 1; minimum grade of a B.

This course is offered for fall semester only. Students will learn and apply advanced techniques of clay, porcelain, glazing, and the use of the pottery wheel. There is also a research project, which explores contemporary ceramicists and methods. **Course Fee: \$20.00 for the semester**

Performing Arts

Drama I

Grades 9-12

Course #9100

This class is an introductory class in theater arts. Instruction is provided in all facets of basic dramatic production. During first semester, students will learn about evaluation of plays, improvisation and pantomime, voice and diction, and acting. Students will also learn the basics of stage production, including the structure of drama, stage setting and lighting, and costuming and makeup.

Adv Drama

Grades 10-12

Course #9120

Prerequisite: A grade of "C" or above in Drama I, or the equivalent in another high school. Advanced Drama is designed for the student interested in learning more about any facet of theater arts. Students in Advanced Drama will complete a series of projects throughout the year. These projects may include reading and evaluating plays, directing, and the performance of audition monologues, two-person scenes, group scenes and one-act plays. In addition, Advanced Drama students may design lighting, sets, costumes and makeup for school productions. Advanced Drama is a repeatable course.

Electives

Mentoring

Grades 10-12

Course #9750

Prerequisite: No D's, F's, or NG's and teacher reference, SPED chairperson signature, and GPA greater than or equal to 3.0. This class is perfect for the future teacher. You will work one on one or one on two with peers. These peers face challenges in the areas of math, reading, and writing. Students must be willing to promote positive academic and social relationships.

Transition and Health Quest (SPED)

Grades 11-12

Course #:9755

Prerequisite: Enrollment with resource case manager approval only.

This course is an elective class for resource students who are juniors or seniors. This course will cover transition skills including life skills, self-advocacy, exploring post-secondary opportunities and employment options. In addition, this course will explore the essentials of good health and develop skills in the areas of physical and mental health, nutrition, and safety and stewardship.

Peer Mediation

Grades 10-12

Course #: 9760

Prerequisite: Counselor approval and participate in the necessary training. Conflict is a natural, vital part of life. Students in peer mediation will use their training to help others work through conflicts that are happening on campus. When peer mediators are not providing conflict resolution, they will assist in the Career Center.

Student Council

Grades 9-12

Course #9600

Student Council is a leadership class consisting of elected student body officers and appointed members-at-large. In addition to planning and carrying out activities for the school year, students enrolled learn leadership, parliamentary procedures and other related topics. Written work is required of all class members throughout the school year. Grading is on a percentage scale. You must maintain a "B" average each quarter. Students must complete the application process and be approved by Advisor.

Work Studies (SPED)

Grades 10-12

Course #9810

Enrollment with resource teacher placement only.

This class is a study hall where students get help from a resource teacher and mentors. Transition goals, life skills, and workforce development are also addressed in this course.

Departmental Aide

Grades 11-12

Prerequisite: No D's, F's, or NG's and must have Counselor Approval. Student may be an aide only **one (1)** period per semester for a total of **four (4) semesters only**. Students may not drop a core class to become an aide without administrative approval. Poor attendance or irresponsible behavior will result in removal at the end of the semester

LANGUAGE ARTS

English I Grade 9
Course #1120

Freshman English is an introductory high school course in preparation for the AIMS exam. Reading, writing, grammar, listening and speaking skills provide the focus for the class. Skills work emphasizes the state standards throughout the school year.

English II Grade 10
Course #1220

Prerequisite: English I. Included will be diagnostic testing, review and/or remedial study of grammar and composition, spelling, vocabulary, careers, speaking/listening skills, world literature (short stories, nonfiction, drama, novel, and poetry). Some of the materials may vary slightly from class to class, but the basic structure of the classes will be the same.

English III Grade 11
Course #1320

Prerequisite: English I, II. Included will be American literature (short story, novel, essay, poetry, drama, vocabulary, grammar, speaking/listening skills, and composition). Materials may vary slightly from class to class.

English IV Grade 12
Course #1420

Prerequisite: English I, II, III. This class will include a study of British literature (short story, poetry, essay, novel, Shakespearean drama, composition, grammar, research paper, speaking/listening skills and vocabulary). Some of the materials may vary slightly from class to class.

Advanced Placement English Literature and Composition Grade 10-12
Course #1430

This course is comparable to a college-level Literature and Composition course; exemplary performance on the AP exam will result in college credit at most universities. All students are expected to take the AP English Literature and Composition exam in the spring. Students will read widely, think critically, and write extensively. Reading will focus on works of literary merit in British and world literature, both classic and modern. Writing will focus on critical analysis of fiction, poetry, nonfiction, and drama. Fee for AP Exam.

Advanced Placement English Language and Composition Grade 10-12

This course is comparable to a college-level Language and Composition course; exemplary performance on the AP exam will result in college credit at most universities. All students are expected to take the AP English Language and Composition exam in the spring. An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their 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. (AP Central, 2008) Fee for AP Exam.

Creative Writing Grades 10-12
Course #1600

Prerequisite: Recommendation of English teacher. Course may not be offered every year. This course will cover various techniques for writing poetry, short stories, and non-fiction. Students will learn how to generate and develop ideas, revise work and prepare work for submission. In addition, students will review poetry; short fiction and art work from our student body, work with the student writers and artists and publish a literary magazine.

AIMS Reading/Writing Review

Grades 9-12

Course #100 (This class is an ELECTIVE, NOT an English credit)

Prerequisite: AIMS reading and/or writing standard(s) not met. This class is required of all 11th and 12th graders who “fall far below” or “approaches” on the AIMS reading and/or writing test(s). This class will review all the performance objectives of the Reading and Writing Proficiency Standards for which students will be held accountable.

S.P.I.R.E. I, II, III, IV

Grades 9-12

Course #1810, 1820, 1830, 1840

Prerequisite: Resource teacher placement only. S.P.I.R.E is a reading program with a heavy phonics base. This course is designed to meet the needs of students who face a challenge with word reading at various grade levels. In the class environment of understanding; lessons such as: phonics, comprehension, memory retention, word building, auditory discrimination, vocabulary acquisition and spelling are practiced daily.

English Skills I, II, III, IV

Grades 9–12

Course #1810, 1820, 1830, 1840

Individualized Instruction: Enrollment with Resource Teacher placement only.

This course is designed to meet and provide students with the most basic challenges in remedial grammar and composition, spelling, vocabulary, reading and comprehension skills. Individualized Instructional needs as well as Cooperative Group Learning and classroom participation is encouraged.

ELD (English Language Development) courses are for those students whose native language is one other than English. All proficiency levels qualify for these classes. If several ELD classes are being taken concurrently, only one course will be counted as an English credit. The other courses will be counted as elective credit.

ELD Reading

Grades 9–12

This course is for those students who need to work on basic reading skills, sentence fluency and pronunciation.

ELD Vocabulary/Conversation

Grades 9-12

This course is for those students who need to expand their English vocabulary and practice speaking English regularly.

ELD Writing/Grammar

Grades 9-12

This course is for students who need help with writing skills and basic grammar skills in order to write short paragraphs and essays.

ELD Grammar

Grades 9-12

This course is designed for students who need extra help in grammar and whose overall English proficiency scores were low on the AZELLA.

WORLD LANGUAGES

Spanish I

Grades 9–12

Course #5100

Spanish I is designed to teach basic vocabulary in reading, writing and speaking Spanish. Emphasis is on practical writing and conversation in Spanish. A variety of activities such as reading Spanish dialogues, singing Spanish songs and playing Spanish vocabulary games help make learning easier. If you speak Spanish with your parents, and you know how to read and write with ease in Spanish please register for Spanish for Native Speakers. **Course fee: \$15.00**

Spanish II

Grades 9–12

Course #5200

Prerequisite: Spanish I. Students at this level continue to improve their ability to understand, converse and write in Spanish, and also create and perform their own skits in Spanish. This course includes songs, vocabulary games and a study of present and past verb forms, which will help students increase their fluency.

Spanish III

Grades 10–12

Course #5300

Prerequisite: Spanish II or Spanish for Native Speakers. Students at this level continue to improve their ability to understand, write, and discuss topics in Spanish. Vocabulary games, translation practice, reading Spanish stories and a study of more advance verb tenses that will help students increase their fluency. Recommended for college bound students and native speakers.

Spanish for Native Speakers

Grades 9–12

Course #5440

Prerequisite: Native Spanish speaker. Students will further develop their skills in reading, and writing in Spanish. Emphasis will be placed on the study of a variety of grammar rules in Spanish and how accent marks are utilized. Students will be introduced to Spanish magazines, newspaper articles, and Spanish novels.

Advanced Placement Spanish Language

Grades 10-12

Course #5400

Designed to introduce and prepare the student for college requirements. Students read Spanish newspaper articles, magazines, short stories, novels and poetry, which will enhance their awareness and appreciation of Mexican, South American, Spanish (Spain) and Mexican American culture and history. Current events affecting Hispanics throughout the world, as well as issues or events that have an impact on Hispanics in the U.S. will be analyzed through creative reading and writing. Class will be conducted entirely in Spanish. Recommended for college-bound students and native speakers. Fee for AP Exam

MATHEMATICS

Algebra Standards

Grade 9

Course # 2310

This course will cover the algebra standards necessary to gain proficiency on the state mandated AIMS mathematics test. Topics covered will include: functions, graphing, linear equations with 1 and 2 variables, simplifying algebraic expressions, exponents, written expressions, proportions, and systems of equations, matrices, square roots, literal and quadratic equations.

Algebra I

Grades 9–12

Course #2320

The content of Algebra 1 includes the fundamental principles of algebra, functions and their graphs, writing, solving, and graphing algebraic equations and inequalities, systems of equations and inequalities, quadratic equations and functions, exponents, polynomials, radical expressions, probability and introduction to geometry.

Geometry Standards Grade 9-12
Course #2410

Prerequisite: Algebra Standards or Algebra I. This course covers the basic principles of geometry, especially those performance objectives that are part of the AIMS mathematics requirements.

Geometry Grades 9–12
Course #2400

Prerequisite: Algebra I. This course includes the study in deductive and inductive reasoning, the Pythagorean Theorem and its applications, similar and congruent triangle relationships, angle relationships, introduction to proofs, areas, volumes, coordinate geometry, and transformations.

Intermediate Algebra Grades 9–12
Course # 2440

Prerequisite: Algebra Standards and Geometry Standards. Topics will include number systems and operations; solution of equations; functions, graphs, polynomial operations and sequences.

Algebra II & Trigonometry Grades 10-12
Course #2530

Prerequisite: Algebra I and Geometry. This course will include basic geometric figures and their properties, elementary trigonometric functions, identities, equations and graphs, different systems of angle measurement, complex numbers, solution of quadratic equations, logarithms, solution of triangles, and simultaneous solution of linear equations and coordinate geometric concepts. Appropriate application of all concepts will be included in the course.

PCC Intermediate Algebra and College Algebra Grades 11-12
Course #122/151

Prerequisite: Apply to Pima Community College. Pass entrance tests for Pima Community College and be recommended for this program. PCC Intermediate Algebra is a repeat course for Algebra II/Trig. You cannot receive graduation credit for both PCC Intermediate Algebra and Algebra II/Trig. This class earns both high school and college credit. Successful completion of both semesters of this class will earn 6 college credits in Math.

Pre-Calculus Grades 11-12
Course #2600

Prerequisite: Algebra II & Trigonometry. This course will include advanced trigonometric graphs, identities and equations, solution of higher degree polynomials, sequences and series, probability, matrices, advanced graphing techniques, geometric solids and rational functions. The concept of mathematical proof will be emphasized, as well as the application of the topics studied.

Advanced Placement Calculus AB Grade 10-12
Course #2650

This course includes functions and graphs, limits and continuity, and differential and integral calculus. The differential and integral calculus will be approached from a numerical, graphical, analytical, and verbal viewpoint. Emphasis will be placed on the application of the calculus, such as rates, optimization, curve sketching, areas and volume. A graphing calculator will be necessary for the class. Fee for AP Exam

AIMS Math Review Grades 9-12
Course #200 (This class is an ELECTIVE NOT a math credit)

Prerequisite: AIMS math standard not met. This class is required of all 12th and 11th graders who “fall far below” or “approaches” on the AIMS math test. This class will review all the performance objectives of the Mathematics Proficiency Standards for which students will be held accountable.

Math Skills I Grades 9-12
Course #2810

Individual Instruction: Resource Teacher placement only. This course covers basic skills in the areas of multiplication, division, fractions, percentages, decimals, ratios, money, word problems, and pre-algebra.

Math Skills II

Grades 9-12

Course #2820

Individual Instruction: Test performance and/or Math Developmental I credit. This course is a refresher of basic skills and pre-algebra. Second semester the emphasis is on algebra and geometry.

Math Skills III

Grades 20-12

Course #2830

Individual Instruction: Resource teacher placement only. This course has a major focus on algebra and geometry: including functions, graphing, and basic principals of geometry.

Math Skills IV

Grades 11-12

Course #2840

Individual Instruction: Resource teacher placement only. The focus of this course is life skills math. Students will continue developing skills in economics (including household and automobile maintenance, insurance, taxes, investments, and consumer spending), budgeting, money management, workplace math, and career preparation.

MUSIC

Chorale

Grades 10–12

Course #9500

Prerequisite: Previous choral background and audition, successful completion of Mixed Chorus, or Director's permission is required. Course will focus on the study of the best in vocal literature for SATB and other vocal range combinations, including traditional, classical, popular and jazz music for public presentation at concerts, festivals, contests and other school functions. Advanced musicianship skills, including sight singing, rhythms, scales, chords and ensemble blending, will be reviewed and emphasized. Grading will be based on effort, participation and musicianship skills, as defined by the District Assessment Plan for Sahuarita High School music courses. Participation in performances, which will include nighttime and weekend events, and some travel, is required. Students are encouraged to participate in regional Solo/Ensemble festival and/or audition for regional chorus. **Course Fee: \$40.00**

Jazz Band

Grades 10–12

Course #9560

Prerequisite: Must also enroll in Concert Band (exception for seniors only) and successful junior high school wind or rhythm section experience and audition, successful completion of Stage Band or Director's permission is required. Course will focus on the best in big band and combo literature, especially as it relates to Jazz, America's original musical art. Students will study and prepare for public performance Swing, Blues, Bop, Latin, Rock and other appropriate music styles. Advanced musicianship skills will be reviewed and emphasized. Jazz Band participation will include some night and weekend practices and performances, as well as some travel. Students must provide their own instruments and equipment or make arrangements with the instructor to use school equipment, if available. **Course Fee: \$40.00**

Mixed Chorus

Grades 9-12

Course# 9513

Prerequisite: None. An entry-level course designed for students with little or no choral or performance experience. This is a performance class, with regular required concerts scheduled throughout the year. A variety of vocal literature will be studied, with emphasis on developing basic musicianship skills including reading music notation, and sight singing as defined by the District Assessment Plan for Sahuarita High School music courses. Students may participate in the regional Solo and Ensemble festival and/or audition for regional chorus. Night performances and travel are possible and may be required. **Course Fee: \$40.00**

Acoustic Guitar I
Course #9580

Grades 9-12

Prerequisite: None. This is an entry-level music course for the motivated student who has limited or no instruction on acoustic guitar or keyboards. The class will focus on all of the essentials necessary to play successfully, including assembly and care of the instrument, hand positions and posture, fingering and picking/bowing (strings) and good tone production. This is a non-performance class with no required public performances. Students will be responsible for supplying their own acoustic guitar. **Course Fee: \$40.00**

Acoustic Guitar II
Course #9580

Grades 9-12

Prerequisite: Acoustic Guitar/Keyboards I or instructor's permission. The class builds upon the foundations of Acoustic Guitar/Keyboards I, the objective being to advance students' skills to an intermediate level. The class will also focus on more advanced music theory, including scale and chord structure, ear-training and rudimentary chord progressions. **Course Fee: \$40.00** (unless the student had already paid the fee for acoustic guitar/keyboard I)

Foundations of Music
Course #9514

Grades 9-12

Prerequisite – None. An entry-level music course for non-musicians designed to provide an opportunity for students to develop music knowledge while studying the sources of American musical heritage. The course will initially introduce students to basic music reading skills and allow them to practice rudimentary ensemble skills using school percussion equipment. Discussions and course work will eventually center on New Orleans in 1900 and will trace jazz, blues, country, rhythm and blues and rock to current times. The modern recording industry will be analyzed in detail, especially with respect to issues related to internet technology, copyright infringement laws and their implications for the consumer, both present and in the future.

Percussion Studies
Course # 9520

1 Semester

Grades 9-12

Prerequisite: None. An entry-level course designed for the motivated student who has had limited or no instruction on drums to learn how to play. The class will focus on all of the essentials necessary to play successfully, including assembly and care of the instrument, hand positions and posture, sticking (percussion) and good tone production. The course will emphasize principles of basic musicianship, including music-reading skills, scales and chords. This is a non-performance class with no required public performances. Students will perform in-class graded recitals on a regular basis. Students will be responsible for supplying their own instrument. **Course Fee: \$40.00** (Covers the cost of the class method books and incidental music supplies)

Marching and Concert Band
Course #9530

Grades 9–12

Prerequisite: Successful middle school wind or rhythm section experience. Director's signature required. The course will focus on the best in concert band and marching band literature. Students will study and prepare for public performances at football games, basketball games, competitions, and concerts. Grading will be based on participation, musicianship skills, as defined by the District Assessment Plan for Sahuarita High School music courses. Band participation will include some night and weekend practices and performances, as well as some travel. Students must provide their own instruments and equipment or make arrangements with the director to use school equipment, if available. **Course Fee: \$60.00**

Creative Movement
Course #9570

Grades 9–12

Prerequisite: Successful audition and/or the director's signature is required. The course will focus on movement of the body with reference to Ballet, Jazz, Modern and Hip-Hop dancing. The team will perform with the marching band during football season and on their own during basketball season. Grading will be based on participation, physical skills, and preparation. Participation will include some night and weekend practices and performances, as well as some travel. **Course Fee: \$50.00**

String Orchestra

Grades 9-12

Course #9540

Prerequisite: Successful junior high school wind or rhythm section experience. Director's signature is required.

The course will focus on the best in orchestral literature for String Orchestra. Students will study and prepare for public performance, competitions, and concerts. Grading will be based on participation, musicianship skills, as defined by the District Assessment Plan for Sahuarita High School music coursed. Orchestra participation will include some night practices and performances, as well as some travel. Students must provide their own instruments and equipment or make arrangements with the director to use school equipment, if available.

Course Fee: \$50.00

PHYSICAL EDUCATION/HEALTH

General Physical Education

Grades 9-10

Course #5805

Students will be exposed to a variety of physical education activities. These will include individual sports, team sports and personal fitness activities. Some activities to be included will be football, basketball, soccer, tennis, ultimate frisbee, softball, weight training, track & field, volleyball, badminton, pickleball, and floor hockey

Advanced Team Sports

Grades 10–12

Course # 5820

Prerequisite: Completion of basic P.E. requirements or Instructor's approval.

This class is designed for students who enjoy playing team sports, and would like to apply more advanced strategies to the sports being offered. Potential sports taught would include basketball, volleyball, soccer, softball, floor hockey, & ultimate Frisbee.

Life Long Physical Education

Grades 10–12

Course # 5840

Prerequisite: Completion of basic P.E. requirements or Instructor's approval.

This class is designed for the student who prefers physical education classes that teach individual sports. These activities can include, aerobics, walking, tennis, bowling, horseshoes, badminton, golf, weight training, circuit training, and yoga.

Weights and Conditioning

Grades 10-12

Course #5830

Prerequisite: Completion of basic P.E. requirements or Instructor's approval.

Students will follow individual workout programs designed to meet their own personal needs. Programs will include strength, cardiovascular, power, agility and flexibility training. This class is ideal for students interested in weight control.

Aerobics and Dance

Grades 10-12

Dance, aerobic and fitness class led by instructor and/or video. Popular music and technique will be utilized to create an active & fun environment.

Health Education

1 Semester

Grade 10

Course #5815

This program is designed to help students understand the importance or overall health. It will help students learn basic information and practical skills related to such topics as personal health, Community health, injury prevention and safety, nutrition, family living, individual growth and development, and drug usage including alcohol and tobacco. Students will develop strategies for critical thinking, problem solving and decision-making. Emphasis will be placed on cooperative learning.

SCIENCE

Integrated Science Course #3110 <u>Prerequisite: None</u> Integrated science includes the study of physical science, the study of biology with an emphasis in botany, and the study of Earth and space.	Grade 9
Integrated Science Skills Course #3810 <u>Prerequisite: Resource Teacher placement only.</u> In this course you will study weather, land and sea, biomes, gems and minerals, and earth and space.	Grade 9
Biology Course #3210 <u>Prerequisite: Integrated Science</u> Biology focuses on cell structure and function, an introduction to genetics, evolution, characteristics of living organization and taxonomy, and ecology.	Grade 10
Biology Skills Course #3820 <u>Prerequisite: Resource Teachers placement only and Physical Science Skills credit.</u> This course focuses on cell structure and function, genetics, the changes in organisms through geological time, classification and comparing human physiology and anatomy to that of other animals, plants, and ecology.	Grades 10-11
Advanced Placement Biology Course #3220 AP biology is designed to be the equivalent to a two-semester college introductory biology course. The class covers three major areas of biology, including molecules and cells, heredity and evolution, and organisms and populations. Fee for AP Exam	Grades 10-12
Environmental and Physical Science Skills Course #3830 <u>Prerequisite: Resource teacher placement only and passing grade in Biology.</u> In this course you will study the following: compounds, formulas, and the periodic table, simple machines, engines, pulleys, electricity and magnetism. You will also study issues affecting our environment today.	Grade 12
Environmental Chemistry Course #3320 <u>Prerequisite: Integrated Science and Biology</u> Environmental chemistry is an application approach to the study of chemistry. Concepts are taught through themes such as water, supply, natural resources, nutrition, nuclear chemistry, air and climate, and human health.	Grades 10–12
Chemistry Course # 3330 <u>Prerequisite: Integrated Science and Biology; completed Algebra I with a B or higher grade or Algebra standards with an A, and Geometry with a C or better</u> Basic principles in chemistry including atomic structure, compounds and mixtures, periodic table arrangement, properties of elements, chemical reactions, states of matter, and the interaction between energy and matter.	Grades 11–12
Physics Course #3400 <u>Prerequisite: Completed Algebra II & Trigonometry.</u> A strong background in math is required. Physics is the quantitative study of kinematics, dynamics, conservation of energy and momentum, rotation, and electricity and magnetism.	Grades 11-12

Human Anatomy and Physiology
Course #3260

Grades 11-12

Prerequisite: Biology and one other science course. This course is a study of living things through topics ranging from the molecules of life, cell structure and processes, and genetics to the study of complete organ systems found in the human body.

SOCIAL STUDIES

World Geography and History
Course #4100

Grades 10-12

This class is required for graduation. A two-semester survey of world history with geography elements throughout covering ancient civilization to current events.

World Geography and History Skills
Course #4810

Grades 9-12

Enrollment with Resource Teacher placement only.
Learn about the history that shaped our world and develop geography skills.

United States History
Course #4500

Grade 11

This class is required for graduation. The study of the history of the United States, including Arizona History from the discovery of America to the present.

1st Semester: Early explorers and conquest; Manifest Destiny to the Civil War.

2nd Semester: Reconstruction to present.

United States History Skills
Course #4820

Grade 11

Prerequisite: Enrollment by Resource Teacher placement only. The study of the history of the United States, including Arizona History from the early explores discovery of the new land – America, the Depression and other historical events to the present.

Advanced Placement United States History
Course #4510

Grade 11

The Advanced Placement U.S. History Course is for students who are willing to put forth extra time and effort in their studies of United States history. Students will study in-depth the times, themes, culture, and people who span U.S. colonization through the Modern United States. There are a number of outside readings done for this class that are assigned and expected to be completed. Upon completion of the course, students are expected to take the Advanced Placement U.S. History Test. Students who pass the test receive three college credits in social sciences. Fee for AP Exam

American and Arizona Government/Current Events
Course #4600

Grade 12

This class is required for graduation. United States (3 quarters) – Survey of the constitutional basics, organization and functioning of the American National Government and Arizona State Constitution and Government. (1 quarter) - A survey of the Arizona Constitution, organization with Arizona Government. Each semester students will be required to write a research paper or do a semester project. The semester project includes attending a School Board meeting, a Town Council meeting and performing eight hours of volunteer service in the community. The volunteer service needs prior approval from the instructor.

AM/AZ Government Skills
Course #4830

Grade 12

Prerequisite: Enrollment with Resource Teacher placement only. Survey of the constitutional basics, organization and functioning of the American National Constitution organization with Arizona Government and weekly current events (the person behind the scenes) covering local, state, national and international stage.

**Advanced Placement United States Government and Politics
Course #4630**

Grade 12

The Advanced Placement Government Course is for students who are willing to put forth extra time and effort in their studies of the United States political system. Students will study the structure and the forces that helped create the current system of Government that Americans currently live under. There are a number of outside readings done for this class. We spend much time in the library researching previous government action in the United States. Upon completion of the course, students are expected to take the Advanced Placement Government Test. Students who pass the test receive three college credits in social sciences. Fee for AP Exam

Naval Junior Reserve Officers Training Corps

**Naval Science 1
Course #5901**

Grade 9

Purpose: To introduce students to the meaning of citizenship, the elements of leadership, and the value of scholarship in attaining life goals; engender a sound appreciation for the heritage and traditions of America, with recognition that the historically significant role of sea power will be important in America's future, develop in each cadet a growing sense of pride in his/her organization, associates, and self. These elements are pursued at the fundamental level.

**Naval Science 2
Course #5902**

Grades 10-12

Purpose: To engender a sound appreciation for the heritage and traditions of America, with recognition that the historically significant role of sea power will be important in America's future, and develop in each cadet a growing sense of pride in his/her organization, associates and self.

**Naval Science 3
Course #5903**

Grades 11-12

Purpose: Broaden the understanding of students in the operative principles of military leadership, the concept and significance of teamwork, the intrinsic value of good order and discipline in the accomplishment of objectives, the fundamentals of American democracy, and to expand their understanding of naval academic.

**Naval Science 4
Course #5904**

Grade 12

Purpose: This course is focused solely on practical leadership. The intent is to assist the senior in understanding leadership and improving their leadership skills by putting them in positions of leadership, under supervision, then helping them analyze the reasons for their varying degrees of success through the year. Classroom activities include seminars, reading assignments, classroom presentations, and practical work with younger cadets.

CAREER & TECHNICAL EDUCATION

Through Pima and Santa Cruz County Tech Prep and Pima Community College (PCC), Course Articulation credit is available for many CTE courses.

What is an articulated course? A class taught at SHS that allows students to receive PCC credit for competencies acquired. Students will need to register with Pima Community College and are required to enter their Social Security number for registration.

What does the student receive? High school credit for taking a SHS class and PCC credit upon applying for admission to PCC.

Student Requirements. Must pass the high school class with a "B" or above. Must apply for admission at PCC. Articulated credit will then appear on the student's transcript as "AP" (Articulated Pass).

Dual Enrollment. This is a partnership between Pima Community College and high schools enabling students who are enrolled in certain classes to receive both high school and college credit.

Professional Internship Experience (PIE)

Grade 12

Specific career area

Prerequisite: Previous enrollment in 2 CTE classes in a program. Admission is by teacher approval only. This program is for those students who wish to continue exploring a career area under the supervision of a practicing professional. Students contract to a 36-hour internship (4 hours a week) during each nine-week period. Students who have taken at least two classes in a CTE program may qualify. Students are required to attend two class meetings a month with the program coordinator and other PIE students. Students will be required to keep journals of their experiences. Usually these internships are unpaid, but students may be paid if offered. Available for students who have taken at least 2 classes in one CTE program. Contact program teacher, your counselor, the JTED Counselor, or the CTE Director.

ALLIED HEALTH SERVICES

(Taught by our Athletic Trainer)

Sports Medicine & Rehabilitation Therapies I

Grades 9-10

Course #51.0800.50

Students will learn about athletic injuries. This will include the prevention, treatment, and rehabilitation of athletic injuries. Terminology, basic first aid, and preventative taping will be incorporated. Students will also receive CPR certification. Students will be required to do observations/internships so that they can see how the skills they acquire are put to work. Club affiliation: HOSA (Health Occupations Student Association).

Course fee: \$20.00

Sports Medicine & Rehabilitation Therapies II

Grades 10-12

Course #51.0800.55

Prerequisite: Sports Medicine I. This course includes a strong emphasis on the human anatomy as it pertains to athletic injuries. Students will learn first aid and obtain CPR certification. A thorough investigation of the various therapeutic modalities are available at Sahuarita High School to assist with after-school athletic activities. Club affiliation: HOSA (Health Occupations Student Association).

Course fee: \$20.00

Sports Medicine Internship

Grade 12

Course #51.0800.75

Available for students who have taken Sports Medicine I and II.

Contact Sports Medicine teacher, your counselor, or the JTED Counselor.

Course fee: \$20.00

AUTOMOTIVE TECHNOLOGY **(Taught by an ASE Master Technician)**

Automotive Technology I

Grade 10

Course #47.0600.10

Articulated with PCC

This is an introductory course that explores the servicing, maintenance, and repair of most automotive systems. Instructional areas include basic electrical and battery service, basic tune-up procedures, general car maintenance, and basic engine overhaul procedures. Students will work with two-cycle engines, multi and single cylinder four-engines, chain and shaft drive units, transmissions, suspension systems, fuel systems, and electrical systems. Club affiliation: SkillsUSA.

Course fee: \$30.00

Automotive Technology II

2 credits (two-hour block)

Grade 11

Course #47.0600.20

Articulated with PCC and Offered for Dual Enrollment

Prerequisite: Automotive Technology I and teacher approval. This course prepares students to diagnose and repair malfunctions in automotive electrical systems and automotive braking systems, allowing students to meet initial ASE certification requirements. The student will also study steering and suspension systems. Second year of SkillsUSA membership is part of the class and allows the student to compete in the Leadership and Auto Skills state competitions.

Course fee: \$30.00

Automotive Technology III, IV

2 credits (two-hour block)

Grade 12

Course #47.0600.25 and #47.0600.30

Articulated with PCC and Offered for Dual Enrollment

Prerequisite: Automotive Technology I and II and teacher approval. Students are provided job skills in the following NATEF areas: Engine troubleshooting, emission and electronic computer controls, drive train and axle repairs, ABS computer brakes, major engine overhaul and repairs, and heating and air conditioning repairs. Membership in SkillsUSA allows the student to compete in the Leadership Contest and Auto/Diesel Contest.

Course fee: \$30.00

Automotive Technology Internship

Grade 12

Course #47.0600.75

Available for students who have taken at least Automotive Technology I and II.

Contact Automotive teacher, your counselor, or the JTED Counselor.

BUSINESS MANAGEMENT & ADMINISTRATIVE SERVICES

Business Management Technology I

Grades 9-12

Course #52.0200.10

Articulated with PCC

Recommended for all students who want to improve their computer and business skills. Students will learn business concepts using Microsoft Word, Excel, Publisher, and PowerPoint. The course is divided into content areas that introduce basic concepts in marketing, economics, personal finance, business law, international business, management, and entrepreneurship. Each content area has context-based problems that students solve by using computer applications such as word processing, spreadsheets, presentation software, and multimedia resources. Students will research careers and post secondary education. Employability skills will be emphasized. Club affiliation: FBLA (Future Business Leaders of America).

Course fee: \$20.00

Business Management Technology II

Grades 10-12

Course #52.0200.20

Articulated with PCC

Prerequisite: Business Management I. Emphasis will be placed on creating professional documents as expected in a business environment. Students will be expected to obtain thorough knowledge of Word, Excel,

Publisher, and PowerPoint. Many projects will involve research of a topic. Students will research careers and post secondary education. Employability skills will be emphasized. Club affiliation: FBLA (Future Business Leaders of America).

Course fee: \$20.00

Business Operations I

Grades 10-12

Course #52.0400.10

Prerequisite: Business Management Technology I

Articulated with PCC

This course will cover the administrative managerial process, organizational skills, the flow of communication, records management, office reprographics, mail services, and office layout and environment. Students will learn about the process of selecting, supervising, evaluating, and motivating employees. The use of computer technology/skills will be stressed.

Course fee: \$20.00

Cooperative Business Experience (CBE)

2 credits (class and job)

Grade 12

Course #52.0200.30 & #52.0200.80

Articulated with PCC and Offered for Dual Enrollment

Prerequisite: Business Management Technology I and/or II or Business Operations and teacher approval.

Students attend class each day and are expected to work in the afternoons or on the weekends in a paid \$\$ position for approximately 15 hours a week. Excellent attendance is mandatory (no more than 4 absences a semester). One credit will be received for the class and one for the job component. Students may have a shortened school schedule in order to go to their jobs (training stations). Students themselves may seek employment in a job related to their career interests or be assisted by the teacher/ coordinator. Topics covered in the class include job expectations, human relations, job safety, self-assessment, communications, stress and time management, labor market information, job search techniques, entrepreneurship, public speaking, and financial planning. Guest speakers will share their knowledge and expertise. Club affiliation: FBLA (Future Business Leaders of America).

CONSTRUCTION TECHNOLOGY

Construction Technology I

Grades 9-12

Course #46.0400.10

Articulated with PCC

Students will learn how to safely use hand tools and portable and stationary woodworking tools. The first semester is spent learning how to use these tools in a safe manner. Projects will include toolboxes, dog-houses, small cabinets, wall framing, etc. Structural and civil construction career opportunities will be examined. Club affiliation: SkillsUSA.

Course fee: \$30.00

Construction Technology II

Grades 11-12

Course #46.0400.20

Articulated with PCC

Prerequisite: Construction Technology I. This course includes cabinet making, advanced joinery, blueprint reading, furniture building, and an introduction to framing and tool maintenance. Several methods of building and the legal aspects of building such as land usage, building codes, and material handling will be explored. Structural and civil construction will also be addressed. Safety testing will be required. Projects benefiting the school and community will be emphasized. Learn what it takes to build a residential housing unit from designing blueprints to finishing a home interior. Club affiliation: SkillsUSA.

Course fee: \$30.00

Habitat for Humanity I & II

2 credits (two-hour block)

Grades 11-12

Course #46.0400.25 and 46.0400.26

Articulated with PCC

Prerequisite: Construction Technology I and II and teacher approval. This course is composed of residential and commercial construction processes, including house framing, electrical wiring, plumbing, stucco preparation, drywalling, sheetrocking, roofing, finishing, taping, and window and door installation. Students in this program will build a house for Habitat for Humanity. Club affiliation: SkillsUSA.

Construction Technology Internship

Grade 12

Course #46.0400.75

Available for students who have taken at least Construction Technology I and II.
Contact Construction Technology teacher, your counselor, or the JTED counselor.

DRAFTING & DESIGN TECHNOLOGY

Drafting & Design Technology I

Grades 10-12

Course #15.1300.10

Prerequisite: Precision Manufacturing I and/or Construction Technology I. Students who take this class should have good mathematical skills. CADD software will be used. Students will survey the fields of mechanical, civil, architectural, and electrical/electronic drafting. Students will interpret dimensions, symbols, legends, scales, directions and orientations, and analyze how content and information are communicated in schematics, blueprints, and technical drawings. Students will check prints for dimensional accuracy, completeness, and note detail. Club affiliation: SkillsUSA.

Course fee: \$35.00

ENGINEERING SCIENCES

Engineering Sciences I

2 credits (two-hour block)

Grades 11-12

Course #15.000.10 This course may be used toward Science credit or CTE elective credit.

Prerequisite: Biology I. This course will help students develop testable hypothesis based upon evidence of scientific, technological, and mathematical principles, probability, and/or modeling and will choose investigative equipment appropriate to the task with suitable controls. Students will work with the University of Arizona and the Santa Rita Experimental Range accumulating and reporting data and statistics from the weather station on our campus.

Course fee: \$35.00

Engineering Sciences Internship

Grades 11-12

Course #15.000.75

Available for students who are taking Engineering Sciences.
Contact Engineering Sciences teacher, your counselor, or the JTED counselor.

FAMILY AND CONSUMER SCIENCE

Culinary Arts I

Grades 9-12

Course #12.0500.10

This lab based class gives students who are interested in the food service industry the opportunity to learn basic skills needed in the culinary arts profession. This class introduces safety and sanitation, large and small cooking equipment, tools, measurements, basic knife skills, cooking methods, food identification, and other fundamental culinary techniques. Students will gain experience working with quick breads, eggs, breakfast foods, cheese, sandwiches, fruits and vegetables, and grains. Emphasis is placed on professionalism as well as other skills needed to be successful in a career, including leadership, teamwork, and problem solving. All students enrolled in Culinary Arts are automatically eligible to participate in (FCCLA) Family, Career, and Community Leaders of America.

Course fee: \$35.00

Culinary Arts II

Course #12.0500.20

Grades 10–12

Articulated with PCC Food Service, Sanitation, and Safety

Prerequisite: Culinary Arts I and teacher approval. This class gives students the opportunity to further explore the field of culinary arts and prepares students to serve under the supervision of food service professionals. It includes in depth instruction in sanitation, quality control, and quality food preparation. Students will continue to practice proper use of equipment, organization, sanitation and quality control, and quality food preparation. Professionalism and other career skills will be emphasized. Students will also learn front and back of the house skills and assist with the Mustang Café. Students will gain experience working with specific knife cuts, herbs and seasonings, salads, stocks, sauces, soups, yeast breads, rolls, pastry, and desserts. All students enrolled in Culinary Arts II are encouraged to participate in (FCCLA) Family, Career, and Community Leaders of America.

Course fee: \$35.00

Culinary Arts III

Grades 11-12

Course #12.0500.21

Articulated with PCC Food Service Nutrition

Prerequisite: Culinary Arts I and II and teacher approval. This class develops management and entrepreneurship skills and gives students an opportunity to refine creative cooking skills. This class will focus on running the Mustang Café and other catering opportunities. Students will practice customer service as well as become familiar with running a small business. Additionally, this class will explore nutritional concerns and use principles of nutrition in menu development. All students enrolled in Culinary Arts are expected to participate in (FCCLA) Family, Career, and Community Leaders of America.

Course fee: \$35.00

Culinary Arts Internship

Grade 12

Course #12.0500.75

Available to students who have taken at least Culinary Arts I and II.
Contact Culinary Arts teacher, your counselor, or the JTED counselor.

Early Childhood Education I

Grades 11-12

Course #13.1210.10

Location: Early Childhood Center, 52 W. Calle De Las Tiendas, Green Valley

This class will be held from 2:45 to 4:00 p.m. Monday through Thursday at our Early Childhood Center and taught by a certified teacher. Students will examine the responsibilities for personal wellness and practice safe working procedures in an early childhood environment. Students will study food safety and nutrition, gain knowledge of the growth and development of infants and preschoolers, evaluate and use effective teaching techniques, and develop activity plans. Students may stay after and earn another credit for doing an internship which consists of 4 hours per week (see Internship below). Students will be responsible for transporting themselves.

Early Childhood Education Internship

Grade 12

Course #13.1210.75

Available to students who are taking Early Childhood Professions I.
Contact the CTE Director, your counselor, or the JTED counselor.

GRAPHIC COMMUNICATIONS **(Taught by a Professional Photographer)**

Photo Imaging I

Grades 9-12

Course #10.300.10 (20-student limit)

This course is designed as an introduction to basic photographic equipment, materials, and safety measures as they relate to black and white and digital photography. Students are encouraged to use the fine art of photography for individual expression as well as an emphasis on fundamental techniques of the camera, darkroom, and Adobe Photoshop and InDesign. It includes film development, printing, beginning portfolio development, and historical content. Club affiliation: SkillsUSA.

Course fee: \$35.00 per semester

Photo Imaging II

Grades 10-12

Course #10.0300.(20-student limit)

Prerequisite: Photo Imaging I and teacher approval. This course provides advanced experience in photography for students to expand their technical and artistic skills. It includes the principles and processes of intermediate black and white and digital photography. The course includes use of various camera formats, development of film, advanced lighting techniques, portfolio production, career opportunities, and portfolio presentations. Students will gain practical experience in situations similar to those encountered by professional photographers. Club affiliation: SkillsUSA.

Course fee: \$35.00 per semester

Photo Imaging III

Grades 11-12

Course #10.0300.45

Prerequisite: Photo Imaging I and II and teacher approval. This course further expands on traditional black and white photography methods as well as advanced digital photography and photo editing. Students will gain practical experience in situations similar to those encountered by professional photographers. Students will be provided instruction in the process of how to develop a professional portfolio, presentation, and self-promotion in the career of photography. Students can become members of SkillsUSA.

Course fee: \$35.00 per semester

Photo Imaging Internship

Grade 12

Course #10.0300.75

Available to students who have taken at least Photo Imaging I and II.
Contact Photo Imaging teacher, your counselor, or the JTED counselor.

Mustang Newspaper

Grades 10-12

Course #9205 (20-student limit)

Prerequisite: Students must apply and receive teacher approval. Students will be responsible for pre-paring and publishing a monthly school newspaper. Students should have excellent communication skills (writing and interviewing) and be capable of meeting deadlines and remaining ethical at all times. Students must submit a writing sample and receive a reference from their Language Arts teacher to be accepted into this class.

Yearbook

Grades 10-12

Course #9200 (20 student limit)

Prerequisite: Students must apply and receive teacher approval. This course is a workshop for the creation of the yearbook. Computer and English skills, the ability to follow directions, and the ability to meet ALL deadlines are mandatory. Students should have excellent writing skills and be able to work well with others and must be willing to photograph some day, evening, and weekend events.

INFORMATION TECHNOLOGY

Information Technology I

Grades 9-12

Course #15.1200.10

This course introduces principles of computers with an emphasis on basic concepts of computer maintenance, network technology, software and web page development (HTML-writing code manually), an understanding of the Information Technology (IT) industry, computer mathematics, and the evolution of the computer. Club affiliation: SkillsUSA.

Course fee: \$20.00

Information Technology Internship

Grade 12

Course #15.0600.75

Prerequisite: Web Development and/or teacher approval. This course provides students an opportunity to engage in learning through participation in a structured work experience that involves the application of previously developed Information Technology knowledge and skills. Students will have the opportunity to develop web pages for SHS departments, clubs, and organizations.

LAW, PUBLIC SAFETY, AND SECURITY

(This course is taught by Officer Blevins of the Sahuarita Police Department)

Street Law I

Grades 10-12

Course #43.0100.10

This is a practical course in law that creates civic mindedness, presenting solutions to making healthy life choices, and an overview of how law affects our lives. Students will be introduced to law and the legal system including criminal, juvenile, and civil law. Students will also be exposed to consumer and housing law, family law, and the individual rights and liberties they have as American citizens. A focus on the many aspects and careers in public safety will be presented. Students will interact in small group discussions examining cases studies, have public safety and private sector professionals share expertise in their fields, and learn through media and interactive lessons. Practical application will be done with scripted and mock trials, and a field trip to the Sahuarita Municipal Court.

Course fee: \$20.00

Street Law II

Grade 11-12

Course #43.0100.20

Prerequisite: Street Law I. A practical course on fundamentals in investigations with a focus on forensic science and expansion on content covered in Street Law I. Students will discuss case studies, complete labs in forensic science, learn concepts through classroom interaction and media, and have public safety and private sector professionals share expertise in this field. Forensic content covered: observation skills; crime scene investigation and evidence collection; the study of hair, fibers, and textiles; pollen and spores examination; fingerprints; DNA fingerprinting; blood and blood spatter; drug identification and toxicology; handwriting analysis, forgery, and counterfeiting; death-meaning, manner, mechanism, cause and time; soil examination; forensic anthropology, and the study of bones; glass evidence, case and imprints, tool marks; and ballistics. Practical application will be done with crime scene scenarios where criminal investigations and critical thinking will be utilized.

Course fee: \$20.00

Street Law Internship (180 hours)

Grades 11-12

Course #43.0100.75

Available to students who have taken Street Law I and II.

See Officer Blevins for these options:

Option 1: Sahuarita Police Explorer Post (application and interview for approval).

Option 2: U. S. Border Patrol Explorer Post, Tucson Sector (application and interview for approval).

Option 3: Contact Street Law teacher, your counselor, or the JTED counselor.

MEDIA TECHNOLOGY **(Audio/Visual)**

Audio/Visual Media I

Grades 9-12

Course #10.0200.10

Articulated with PCC

This course will educate students in the basics of video and radio production and broadcast business practices. Through the production of daily and group video assignments, students will learn to plan and organize video productions, to master the basics of good camera sound and lighting techniques, and to use digital video editing and multimedia hardware and software. Other important video production skills emphasized will include interviewing and scripting. Club affiliation: SkillsUSA.

Course fee: \$20.00

Audio/Visual Media II

Grades 10-12

Course #10.0200.20

Articulated with PCC

Prerequisite: A/V Media I and teacher approval. This course serves as an introduction to Apple Motion and Final Cut Pro, as well as professional-level camcorders and an audio recording studio. Students gain valuable time management and leadership skills while honing their creativity working on a variety of group and individual projects. Students fill the roles of the behind-the-scenes positions for the Mustang Morning Show which broadcasts the school's daily announcements. Throughout the course, students will record Podcasts to be hosted on the district website. Club affiliation: SkillsUSA.

Course fee: \$20.00

Audio/Visual Media III

Grades 11-12

Course #10.0200.30

Prerequisite: A/V Media I and II and teacher approval. Students will explore the area or areas of production that interests them as a career. Each student will write and produce an individual ongoing broadcast segment to air on the Mustang Morning Show. Students will work with outside clients from the district and community to create video products. Students may become members of SkillsUSA.

Audio/Visual Media Internship

Grade 12

Course #10.0200.75

Available to students who have taken at least Audio/Visual Media I and II.
Contact Audio/Visual teacher, your counselor, or the JTED counselor.

PRECISION MANUFACTURING

Precision Manufacturing I

Grades 9-12

Course #15.0600.10

This fundamental course will explore manufacturing industries and their working systems and will examine the roll of engineering and manufacturing in the economy. Students will learn how to read and interpret blueprints, technical drawings, and graphs and diagrams as well as developing and applying reading, writing, and math skills.

Course fee: \$35.00

Precision Manufacturing II

Grades 10-12

Course #15.0600.12

Prerequisite: Precision Manufacturing I and Algebra I and/or teacher approval.

This class will have a work-based hands-on learning environment in which students will apply creative and innovative thinking to problem-solving in manufacturing systems. Students will explore mechanical, hydraulic, pneumatic, electrical, and electronic systems used in manufacturing. Listening, speaking, reading, writing, and math concepts will be applied to manufacturing engineering. Students will become members of FIRST Tech Challenge (FTC) and Vex Robotics.

Course fee: \$35.00

Precision Manufacturing III

2 credits (two-hour block)

Grades 11-12

Course #15.0600.13

Prerequisite: Industrial Manufacturing I and II and/or teacher approval.

Students will concentrate on electronics, pneumatics, hydraulics, and mechanisms. Heavy emphasis will be placed on computer-aided drafting from 1-D drawings to animation simulation. Students will become members of the Robotics team and will participate in at least one of the following: FIRST Tech Challenge (FTC), FIRST Robotics Challenge (FRC), Battle Bots, or underwater robotics.

Course fee: \$35.00

Precision Manufacturing Internship

Grade 12

Course #15.0600.75

Available to students who have taken at least Precision Manufacturing I and II.

Contact Precision Manufacturing teacher, your counselor, or the JTED counselor.

JTED (JOINT TECHNOLOGICAL EDUCATION DISTRICT)

All of Sahuarita's CTE classes are considered JTED, but there are new classes and opportunities created through the JTED which allows students attending in the eleven school districts in Pima County to cross school boundaries to take classes in which they are interested. These classes will be offered away from our school campus, and students will be responsible for their own transportation to and from these sites. Contact your counselor, the JTED counselor, or the CTE Director for more details in how to participate in the following classes. Any tuition involved will be paid by the JTED while students are enrolled at Sahuarita High School.

Note: Applications must be filled out to attend any of the following and are available from your counselor, the JTED counselor, CTE teachers, and the CTE Director.

Aviation (Aircraft Mechanics)

Grades 11-12

Course #47.0600.50

Location: GTM 105 Aircraft Math is TBD.

Location: AVM 110 Aircraft Blueprint will be at Sahuarita High School.

Location: All other advanced classes will be taught at the Pima Community College Aviation Technology Center, 7211 S. Park Avenue (Nogales Highway and Valencia at the airport), Tucson

Prerequisite: At least Automotive Technology I and II. This program includes a series of courses in Aviation that include Aviation Safety, Motion Dynamics, Material Processes, Weight and Balance, Basic Electricity, and Regulations. This 510-hour program prepares students to do total aircraft maintenance work from the wheels and brakes to hydraulics, the electrical system, and the engine. Upon successful completion of this program, students will be awarded a General Mechanics Certificate. Also, students may be eligible to take the Federal Aviation Administration certification exams and enter the job market as a certified A & P Aviation Technician.

This program began spring 2009 with Aircraft Math and Blueprint Reading courses, but you can still join and start with the summer classes. In the summer, students are required to attend 10 weeks of classes held at the Pima Community College Aviation Technology Center. During the fall 2009 and spring 2010, students will be taking four-hour courses twice a week. Students will earn up to 26 PCC credits.

Certified Nursing Assistant (CNA)

Grade 12

Course #51.1600.10

Location: TBD

Prerequisite: Biology and Anatomy preferred. This course prepares students to apply academic, employability, and technical knowledge and skill related to common industry standards and practices of nursing assisting within the nursing profession. In addition, students are prepared to apply advanced academic and technical knowledge and skills related to nursing assisting in a variety of settings within the nursing profession. Students meet two afternoons or evenings a week for lecture and lab components. Upon successful completion of the coursework, students may be eligible to take the State Board of Nursing Certified Nursing Assistant (CNA) exam. ***Students are also required to meet for two Saturdays for cooking class in the fall and ten Saturdays during the spring semester for clinical training and observation. Students can earn up to six PCC credits.***

Cosmetology

Grades 11-12

Course #12.0400.10

Location: JTED Central Learning Facility, 2855 W. Master Pieces (Shannon and River Rds.), Tucson

This course introduces students to careers in cosmetology by preparing them to apply academic, employability, and technical knowledge and skill related to common industry standards and practices. Upon completion of 1600 hours in the program, students are eligible to take the exam leading to an Arizona State Cosmetology License. ***Students begin attending classes during their junior year or the summer between their junior and senior years. Classes take place five afternoons and/or evenings per week either Monday through Friday or Tuesday through Saturday for the school year.***

Electrical and Power Transmission Technologies

Grade 12

Course #46.0300.10

Location: Tucson Electric Power (TEP) Training Facility, 3950 E. Irvington Rd. (east of Alvernon), Tucson

This class will cover an overview of the electrical utility field which includes electricity generation, generating station, generation, transmission, and distribution, power policies and procedures, radio procedures, electrical utility disciplines, human resources, and system protection. Additional topics include procedures for working in the overhead and underground distribution components, pole hardware, overhead conductors, porcelain and polymer equipment, overhead transformers, underground equipment installation, electrical utility disciplines, and safety. ***This class will meet four evenings a week from 4:00-5:15 p.m. in the fall and 4:00-6:40 p.m. in the spring. Students can earn up to 19 credit hours through PCC and a certificate for direct employment with Southwest Energy Solutions.***

Fire Science

Grade 12

Course #43.0200.10

Location: JTED Central Learning Facility, 2855 W. Master Pieces Dr. (Shannon and River Rds.), Tucson

This course introduces students to careers in fire science and prepares students to apply academic, employability, and technical knowledge and skills related to common industry standards and practices of fire science. Students will learn wildland firefighting skills and hazardous materials training. Students who successfully complete the program will receive basic state HAZMAT certification, Wildland Fire-fighting Certification, and are eligible to take the State Fire Certification exam. ***Students will be required to meet two evenings a week and two Saturdays a month for the school year. Upon successful completion of the program students can earn 32.75 units of PCC credit.***

Web Design (This is an online course)

Grades 9-12

Course #15.1200.20

This course prepares students to become familiar with the foundational and basic skills of Internet Technologies, writing code manually, using graphical user interface authoring tools and learning basic infrastructure networking. This option will offer the skills necessary to competently perform in the industrial environment, as well as pass the necessary exams to obtain certification.