

COURSE DESCRIPTIONS

ENGLISH

FRESHMAN ENGLISH

9 Year

This course concentrates on grammar and usage, spelling, vocabulary development, sentence and paragraph structure, and in the use of the library. Reading instruction includes an intensive study of the elements of fiction in the short story and the novel.

SOPHMORE ENGLISH

10 Year

This course focuses on the writing process, from prewriting to revision, with an emphasis on narration, persuasion, workplace writing, and expository essays. Students will read, discuss, and analyze selected poetry, short stories, novels, drama, and nonfiction. Vocabulary development and preparation for standardized testing is emphasized.
Prerequisite: English 9

JUNIOR ENGLISH

11 Year

This course includes an intensive survey of American literature, concentrating on the cultural and philosophical development of the United States. Critical reading, thinking, and composition skills will be emphasized. Composition assignments will include both exposition and argumentation, with an emphasis on the writing process.
Prerequisite: English 10

SENIOR ENGLISH

12 Year

This course will survey world literature with an emphasis on universal themes. Writing will include literary analysis and formal communications. In addition, students will be required to complete a research project and formal presentation. Prerequisite: English 11

FOREIGN LANGUAGE

SPANISH I

9-10-11-12

An introductory course to the Spanish language including basic pronunciation and cultural aspects of the language, useful expressions and necessary grammar explanations. Students learn to read and write Spanish expressions they are able to use orally.

SPANISH II

9-10-11-12

A continuation of Spanish I, emphasizing more Spanish spoken in the classroom, more grammar explanations, and study of the culture of Spanish speaking countries. Classroom activities include oral presentations and projects. The four skills of reading, writing, speaking and listening are extended. Prerequisite: Passing grade in both semesters of Spanish I.

HISTORY & GOVERNMENT

WORLD HISTORY /GEOGRAPHY

10 Year

This required survey course of world history covers world history from the Paleolithic period to the present, with an emphasis placed on history from 1700 to the present. All major world civilizations will be

studied. Geographical concepts and current events will be integrated into the World History coursework.

***US /AZ
HISTORY***

11 Year

Students will learn US history from the Age of Exploration and Discovery to present day as outlined by the Arizona state standards. The primary focus will be on the 20th century. Current events and Arizona history will be woven into this course.

***AMERICAN
GOVERNMENT***

12 Semester

This course will examine fundamental principles and structure of American national and state governments and civic responsibilities. The political behavior of the American people as well as their government officials will be discussed in the context of contemporary issues. The course will also explore the impact of mass media on public opinion.

ECONOMICS

12 Semester

In this course, students develop economic reasoning skills to apply basic economic concepts, assess problems, make choices and evaluate the choices of others as consumers, workers and citizens participating in national economics. All students are encouraged to take economics their senior year in preparation for life after high school. ***Prerequisite: Completion of US/AZ History.***

MATHEMATICS

ALGEBRA I

9 Year

This course teaches basic fundamentals of algebra: simplifying expressions, solving linear equations, factoring, solving systems of linear equations, and

simplifying radicals.

GEOMETRY

9-10 Year

A traditional course in Euclidean Geometry. Topics include congruence and similarity of polygons, circles, areas of plane figures, surface area and volume of three-dimensional objects, and coordinate geometry. Prerequisite: Algebra I. *It is highly recommended that students taking this course enroll for both semesters.*

INTERMEDIATE ALGEBRA

11-12 Year

This course is designed to provide students with a foundation of entry level statistics, financial mathematics and algebraic applications. The curriculum will include a thorough review of critical algebra skills necessary for success in applying mathematical ideas. The course counts as a math requirement for graduation, but does not meet the upper level math level requirement for state universities. Prerequisite: Algebra and Geometry or Algebra and Geometry Essentials. Students who have passed Algebra II or a higher level math course may not enroll in this course.

ALGEBRA II

9-10-11-12

This class provides an in-depth review of the concepts introduced in Algebra I. Second semester includes the study of polynomials, quadratics, rational functions, exponential and logarithmic functions as well as trigonometric functions. Prerequisite: Algebra and Geometry. *It is highly recommended that students taking this course enroll for both semesters.*

PHYSICAL EDUCATION

HEALTH & DRIVERS EDUCATION

*9-10-11-12
Semester*

An elective course, Driver's Education is concerned with developing skills and attitudes necessary for safe driving habits. The Health Education portion will be a general survey of current health issues. This course does not fulfill any PE requirements. Successful completion of this course will result in a .5 elective credit. **(A non refundable \$18 workbook fee is included in the tuition fee.)**

PHYSICAL EDUCATION

*9- 10-11-12
Semester / Year*

This course offers physical conditioning, fitness testing and team sports both indoors and outdoors. Please wear tennis shoes and light, comfortable clothing. Students are also encouraged to bring a water bottle to class daily.

SCIENCE

BIOLOGY

Biology is the study of living organisms. Topics covered include diversity of life, ecology, evolution,

9 Year

A \$10 lab fee per semester will be charged.

cellular biology, genetics, classification, and microbiology. Labs reinforce and expand on these topics as well as providing experience with inquiry learning. This course qualified for the first year of the CTE biotechnology sequence. Prerequisite: None. ***It is highly recommended that students taking this course enroll for both semesters.***

PHYSICS

10 Year

A \$10 lab fee per semester will be charged.

This course seeks to help students understand the physics concepts of kinematics, mechanics, energy, electricity and magnetism, wave phenomena, and optics. Class discussion, labs, demonstrations, and projects are combined to reveal the physics concepts involved in everyday situations. Prerequisites: Passing grade in two semesters of a Biology course, and Algebra I or higher; concurrent enrollment in Geometry or beyond. It is highly recommended that students taking this course enroll for both semesters.

CHEMISTRY

11-Year

A \$10 lab fee per semester will be charged.

Chemistry is a lab oriented class that covers topics such as stoichiometry, periodicity, bonding, and electrochemistry. Considerable time is spent executing analytical labs with accuracy (not merely effort) being an essential component of success. Its pacing and topics are those recommended by the American Chemical Society while meeting the Arizona State Standards. Prerequisites: Previous enrollment in Algebra II; successful completion of Physics or Pre-AP Physics. ***It is highly recommended that students taking this course enroll for both semesters.***

**ANATOMY /
PHYSIOLOGY**

11-12 Year

*A \$10 lab fee per semester
will be charged.*

This is a course about the most wondrous of all structures – the human body. This course presents information about both the body's structure (anatomy) and its functions (physiology). The course will consist of lecture, research, laboratory exercises, discussion, and extensive reading. Students will be expected to be fully involved in all aspects of the course. Students will leave the course with a greater appreciation of and for their bodies. Prerequisite: Chemistry.

**Career and
Technical
Education**

**Tentative 2012 Offering
CULINARY ARTS**

9-10-11-12

*A \$30 fee per semester
will be charged.*

This course prepares students to serve under the supervision of food service professionals as kitchen support staff and commercial food preparation workers. It includes instruction in kitchen equipment, organization and operations, sanitation, quality control, quantity food preparation and cooking skills. This course places emphasis on high academic and workplace expectations. First Semester areas of study include: basic first aid, safety, sanitation, nutrition, tools and equipment and cooking methods. *This class may not be repeated for credit.*

