Course Descriptions

ENGLISH 9
(1 cr., 2 semesters)
To ensure students a satisfactory foundation in basic language arts skills, this class concentrates on grammar and usage, vocabulary development, sentence and paragraph writing, and research skills. Reading skills include an intensive study of the elements of fiction in the short story and the novel as well as appreciation of a wide variety of literary texts such as Homer, Shakespeare, and Steinbeck. Listening and speaking skills are addressed through class discussions and oral presentations.

Honors ENGLISH 9
(1 cr., 2 semesters)
This course surveys classic literature, including Homer, Shakespeare, Dickens and Steinbeck with an emphasis on improving critical thinking and reading skills. Vocabulary development is emphasized, including knowledge of literary terms necessary for analysis. Composition instruction focuses on expository writing, literary analysis and a research paper project and will include applied grammar with an emphasis on varying sentence structures. Listening and speaking skills are addressed through class discussions and oral presentations.

ENGLISH 10
(1 cr., 2 semesters) Prerequisite: English 9
Students focus on the writing process from pre-writing to revision with an emphasis on writing essays for various purposes. Students read, discuss, and analyze selected poetry, short stories, novels, and plays. Refinement of skills needed to master the Arizona State Standards and succeed on the AIMS test is emphasized in this class. Listening and speaking skills are addressed through class discussion, oral presentations, and a class presentation.

ENGLISH 11
(1 cr., 2 semesters) Prerequisite: English 10
Students complete a survey of American literature, concentrating on the cultural and philosophical development of United States' citizens. Critical reading, thinking, and composition skills are emphasized. Composition assignments will include exposition and argumentation, as well as rhetorical analysis. Correct usage, elaboration, and revision will be stressed. Listening and speaking skills are addressed through class discussions, oral reports, and interpretation of literature.

ENGLISH 12
(1 cr., 2 semesters) Prerequisite: English 11 or Equivalent
Students in English 12 complete a survey of world literature concentrating on the cultural, philosophical, and political developments evident in multicultural writing. Composition instruction will focus on formal communications such as resumes and business letters as well as a research document. Listening and speaking skills will be addressed through discussions, oral reports, and a polished speech. Outside reading is a requirement.

TOCC WRT 100
(1 cr., 2 semesters)
This course is designed to polish skills in critical thinking and reading, research and expository writing in order to prepare students for success in college. Students write for a variety of purposes and audiences and conduct an extended research project based on original research. Students who enroll in College Writing should already understand basic essay writing and the

rules of standard written English.

ALGEBRA I
(l cr., gr. 9-12, 2 semesters)
This course teaches the basic fundamentals of algebra: simplifying expressions, solving linear equations, factoring, solving systems of linear equations and simplifying radicals.

ALGEBRA I
(l cr., gr. 9-12, 2 semesters)
This is an accelerated course that teaches the basic fundamentals of algebra: simplifying expressions, solving linear equations, factoring, solving systems of linear equations and simplifying radicals.

GEOMETRY
(1 cr., gr. 9-12, 2 semesters) Prerequisite: Grade of "D" or better in Algebra I
This is a college prep course that covers traditional Euclidean Geometry. Topics include proof, congruence, similarity, circles, plane and solid geometry and coordinate geometry. Basic elements of algebra are also reviewed.

ADVANCED GEOMETRY
(1 cr., gr. 9-12, 2 semesters)
This is an accelerated college prep course that covers traditional Euclidean Geometry. Topics include proof, congruence, similarity, circles, plane and solid geometry, coordinate geometry and some basic trigonometry. Algebra skills are applied and reviewed throughout the year.

INTERMEDIATE ALGEBRA
(1 cr., gr. 10-12, 2 semesters).
This course is designed to provide students with a foundation of entry level algebraic applications. The course is a bridge between Algebra I and Algebra II for students who need further development in the concepts of critical algebra skills necessary for success in applying mathematical ideas. This course counts as a math requirement for graduation, but does not meet the upper level math requirement for state universities. Not available to students who have passed Algebra II or higher level math courses.

ALGEBRA II
(1 cr., gr. 9-12, 2 semesters)
This class provides an in-depth review of the concepts introduced in Algebra I and introduces new topics including polynomials, exponents, logarithms, and trigonometry.

BIOLOGY
(1 cr., 2 semesters)
This biology course meets graduation requirements and provides a good background for college bound students. The course covers biological concepts that are of critical significance in dealing with "real world" problems. The following topics will be examined: plant and animal biology, ecology, nutrient cycles and food webs; cell structure and cell division; photosynthesis and cellular respiration; DNA and genetics; and evolution.

CHEMISTRY
(1 cr., 2 semesters)
This is a course in general chemistry taught in a "college-style". It requires a firm foundation in writing, math, lab, and study skills and a commitment to self-motivation. The course covers some of the topics taken during the first year of college, including stoichiometry, thermochemistry, the gas laws, kinetics, solutions, acid-base chemistry, and electrochemistry. Both quantitative problem-solving and conceptual understanding are stressed.

ENVIRONMENTAL SCIENCE

(1 cr., 2 semesters)

This class explores the relationships between living and nonliving things. It is an integrated science class that will apply knowledge gained in Biology, Earth Science and Physical Science to discover how organisms interact with environment and how the environment interacts upon organisms. In this class we will examine these relationships on global, regional and local levels, with special attention given to the unique desert ecosystem surrounding Tucson. Students will learn about topics ranging from climate, to resources and energy, to ecology and adaptation, and more!

WORLD HISTORY/GEOGRAPHY

(1 cr., gr. 10, 2 semesters)

This is a survey of major cultures with special attention given to patterns relevant to current events. Basic skills necessary to history/geography will be integrated throughout the course.

U.S./ARIZONA HISTORY

(1 cr., gr. 10-11, 2 semesters)

This course is designed to cover the development of United States with emphasis on the period from the 1860's to present day. Arizona history will be integrated into both semesters to satisfy the state requirement.

U.S./ARIZONA GOVERNMENT

(1/2 cr., gr. 11-12, 1 semester)

This course will examine fundamental principles and structure of American national and state governments. The organization, powers, and operation of legislative, executive and judicial functions of the government will be covered. The political behavior of the American people, as well as their government officials, will be discussed in the context of political issues.

AMERICAN ECONOMIC SYSTEM

(1/2 cr., gr. 11-12, 1 semester) Recommended prerequisite

All students are encouraged to take economics their junior-senior year in preparation for life after high school. This course is designed to encompass the basic elements of American economic principles and practice.