

**College Preparatory Course Prerequisite Requirements**  
**Effective Date: Academic Year 2011-12**  
**Entering College Freshmen**

**FOUR UNITS OF ENGLISH:** At least two units must have strong grammar and composition components, at least one must be in **English literature**, and at least one must be in **American literature**. Completion of **College Preparatory English I, II, III, and IV** will meet this criterion.

**FOUR UNITS OF MATHEMATICS:** These include **Algebra I** (for which **Applied Mathematics I and II** may count together as a substitute, if a student successfully completes **Algebra II**), **Algebra II**, and **Geometry**. A **fourth higher-level mathematics course** should be selected from among **Algebra III/trigonometry, precalculus, calculus, statistics, discrete mathematics**, or a **capstone mathematics course** and should be taken during the senior year.

**THREE UNITS OF LABORATORY SCIENCE:** Two units must be taken in two different fields of the physical or life sciences and selected from among **biology, chemistry, or physics**. The third unit may be from the same field as one of the first two units (**biology, chemistry, or physics**) or from **any laboratory science** for which **biology** and/or **chemistry** is a **prerequisite**. Courses in earth science, general physical science, or introductory or general environmental science for which biology and/or chemistry is **not** a prerequisite will not meet this requirement. It is strongly recommended that students take physical science (taught as a laboratory science) as a **prerequisite** to the three required units of laboratory science outlined in this section. **It is also strongly recommended that students desiring to pursue careers in science, mathematics, engineering or technology take one course in all three fields.**

**TWO UNITS OF THE SAME FOREIGN LANGUAGE**

**THREE UNITS OF SOCIAL SCIENCE:** One unit of **U.S. History** is required; a half unit of **Economics** and a half unit in **Government** are strongly recommended.

**ONE UNIT OF FINE ARTS:** One unit in Appreciation of, History of, or Performance in one of the fine arts.

**ELECTIVE:** One unit must be taken as an elective. A college preparatory course in **Computer Science (i.e., one involving significant programming content, not simply keyboarding)** is strongly recommended for this elective. Other acceptable electives include college preparatory courses in **English; fine arts; foreign languages; social science; humanities; laboratory science (excluding earth science, general physical science, general environmental science, or other introductory science courses for which biology and/or chemistry is not a prerequisite); or mathematics above the level of Algebra II.**

**ONE UNIT OF PHYSICAL EDUCATION OR ROTC**