

Content Requirements for Qualified Admission

Algebra II Mathematic Courses

In addition to the “Content Requirements for All Qualified Admission Mathematic Courses,” each Qualified Admission Algebra II course shall meet the following requirements:

- I. Enrollment in the course shall be limited to students who have successfully completed Qualified Admission Algebra I and Qualified Admission Geometry;
and
- II. The course shall include instruction in each of the following topics:
 - A. Linear functions and equations;
 - B. The solution of quadratic equations by a variety of methods with sufficient emphasis to produce proficiency;
 - C. Exponential and logarithmic equations and functions;
 - D. Manipulation of algebraic fractions;
 - E. Connections between symbolic, numeric, and graphical representations;
 - F. The use of matrices to solve systems of equations and to organize and analyze data;
 - G. Fundamentals of probability and combinatorics; and
 - H. Additional topics upon approval of the Chief Executive Officer of the Board of Regents or the Chief Executive Officer’s designee