

Content Requirements for Qualified Admission

Geometry Mathematic Courses

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

- I. Enrollment in the course shall be restricted to students who have successfully completed algebra I; and
- II. The course shall include instruction in each of the following topics:
 - A. Euclidean, transformational, and coordinate geometry;
 - B. The Pythagorean theorem and distance formula, with sufficient emphasis to produce proficiency;
 - C. Properties of polygons, circles, and three-dimensional figures, including prisms, cylinders, and cones;
 - D. Measurement concepts related to perimeter, area, and volume;
 - E. The use of similarity and congruence in solving problems and as tools in developing proofs and constructions;
 - F. Development of mathematical reasoning, including several approaches to proof, with sufficient emphasis to produce proficiency; and
 - G. Additional topics upon approval of the Chief Executive Officer of the Board of Regents or the Chief Executive Officer’s designee