

Fact Sheet: Geometry Requirement for Freshman Applicants – Updated Sept. 2014

To satisfy the mathematics (“c”) subject area requirement for University of California, students applying for freshman admission must complete either one yearlong course in geometry or one yearlong course as part of an integrated mathematics sequence that includes sufficient geometry (e.g., Mathematics II).

MIDDLE/JUNIOR HIGH SCHOOL COURSES

- UC will continue to allow students to self-report on the admission application a geometry course or a sequence of integrated-style math courses completed in grade 7 or 8 to meet the mathematics (“c”) subject requirement.
- UC does **not** require the submission of a middle school transcript, nor will high schools be required to list middle/junior high school math courses on high school transcripts.

POLICY ON GEOMETRY COURSE VALIDATION

Options for a Deficient Grade

If a student completes Geometry and receives a deficient grade (D/F), the student can validate the grade deficiency by completing at least the first semester of an advanced-level math course. Refer to the “Validation Matrix – Math and LOTE,” in the *Quick Reference for Counselors* guidebook for appropriate advanced-level math courses that validate a deficient grade in Geometry.

Options for Course Omissions

- The **omission** of a yearlong Geometry course **cannot** be validated by advanced-level math courses (e.g., Algebra II/Trigonometry, Trigonometry, Math Analysis, Pre-Calculus, or Calculus).
- The omission of the first semester of Geometry **can** be validated by successful completion of the second semester of Geometry with a letter grade of C or better.
- The omission of a yearlong integrated course with sufficient geometry content (e.g., Mathematics II) can be validated by a higher-level integrated course (e.g., Mathematics III) with a letter grade of C or better, provided that the higher-level course shows clear evidence of substantial sequencing in the integrated curriculum.
- The omission of the first semester of an integrated course with sufficient geometry content (e.g., Mathematics II) can be validated by successful completion of the second semester of an integrated course with sufficient geometry content with a letter grade of C or better.

Validation by Examination

- Standardized exams (SAT/ACT, SAT Subject, AP, IB, etc.) cannot validate the omission of a Geometry course or an integrated course with sufficient geometry (e.g., Mathematics II).

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- UC will accept a “challenge” examination to demonstrate proficiency to validate the course omission if the high school awards both grades and units for the successful completion of a Geometry challenge exam.

ADDITIONAL OPTIONS FOR SATISFYING THE GEOMETRY REQUIREMENT

Traditional and Integrated Math Course Sequences

The following combinations of the traditional math pathway and the integrated math pathway are not an exhaustive list, but are examples of how students may fully meet the mathematics (“c”) requirement:

Algebra I → Geometry → Mathematics III

Algebra I → Mathematics I → Mathematics II → Mathematics III

Mathematics I → Mathematics II → Mathematics III

Mathematics II → Mathematics III

Mathematics I → Geometry → Algebra II

Mathematics I → Geometry → Mathematics III

Mathematics I → Mathematics II → Algebra II

Geometry → Mathematics II → Mathematics III

Mathematics I → Mathematics II → Advanced Mathematics

Geometry → Mathematics III

International Math Courses

Many international high schools use an integrated mathematics curriculum. Math courses may be listed as “integrated math,” “general mathematics,” or simply “mathematics.” All of these titles are appropriate listings of mathematics courses from an integrated-style program. At least three years of “integrated math” are required to satisfy the “c” subject area.

College Courses

A student can use a non-transferrable college/university course in Geometry to satisfy the requirement.

Principal Certification

A student who completes a classroom-based (i.e., non-online) geometry course at an institution or through a program that does not have an “a-g” course list can have the completed coursework recognized by UC through [principal certification](#).