

Depth of Study Requirements As of Spring 2017

Mathematical Methods

(THIS IS NOT THE SAME AS A SPECIAL FIELD. THIS IS FOR STUDENTS FOLLOWING THE CATALOG STARTING IN FALL 2004)

In this Depth of Study, students learn to think about mathematics from a deeper, more rigorous perspective. Students take two calculus courses and a course that teaches basic proof methods. Then the student applies those methods in an advanced mathematics course, thereby demonstrating mastery.

Core Courses—must be taken sequentially in the order listed

Required:	MATH 160*, Calculus with Applications I	5 units
Required:	MATH 162 (Math 160 is a prerequisite)	4 units
Required:	MATH 350 (Math 160 is a prerequisite, if you receive an A-, else Math 162 required)	3 units
Choose one course:	MATH 378, 410, 474 (all three require MATH 350 as a prereq), OR 374 (Math 160 is a prerequisite)	3 units

Total required: **15 units**

*Prerequisite required: Math 160 requires Math 125 or a High School background in Algebra I & II, Geometry, and Trigonometry

Note on Transferring in Approved Equivalent Courses

See University Catalog for course descriptions and prerequisite information. **Approved** equivalents of lower-division courses may be completed at community colleges or other regionally accredited institutions. Go to www.assist.org to find equivalents to the lower-division courses at CA Community Colleges. Any courses not listed on Assist must be approved by faculty in the department offering the course. A maximum of seventy (70) semester units earned in a community college may be applied toward the degree.

Note on Upper-Division Units Required for Graduation:

Students need at least 40 upper-division units of coursework to graduate from CSUSM. Students are responsible for taking sufficient upper-division units to graduate. Because this depth of study module includes lower-division coursework, **students MUST carefully choose other required courses and electives to insure 40 upper-division units** are completed for graduation.

Note on pursuing a minor in Mathematics:

Depth of Study courses may be counted toward a minor, but the requirements are not identical. Additional coursework is required to complete the minor. See the current University Catalog for minor requirements. An official minor declaration must be submitted to Enrollment Services.

DECLARATION OF DEPTH OF STUDY FOR THE ESM OPTION ONLY:

Please fill out the online form at:

http://www.csusm.edu/liberalstudiesadvising/teaching_opts/depthofstudy/dosform.html or sign & date this declaration and return it to Advising in CRA 1300. (ICP : return to SOE)

Student Name: _____ Student ID# _____

- I am following the ESM option in the Liberal Studies major, and I declare **MATHEMATICAL METHODS** as my Depth of Study. I agree to follow the course requirements listed.
- I understand that I must follow these course requirements even if I am pursuing a minor in a related field.

Student Signature _____ Date: _____

Advising Use Only (please date and initial):

Entered on database: _____ Entered on PS: _____