

Mathematics at UCSB

Students with a major that requires math will satisfy this requirement with either the Math 2/3 series or Math 34 series. The differences between the Math 2/3 series and the Math 34 series are:

- Math **34A/B** is a terminal series designed for students whose majors require a basic understanding of calculus and its applications in the social and biological sciences.
 - Math **2A/B** and **3A/B** are for students in the physical sciences and engineering, or those who wish to study math beyond the first year. Math 2A/B is a 5 unit class because it includes pre-calculus concepts and more time in section each week. These courses are followed by Math 4A/B and Math 6A/B.
 - See list on other side for majors that **require** the 2AB/3AB series and those that accept the 34 series.
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A student may receive credit for specific UCSB mathematics courses by having taken the qualifying exams in Mathematics stated below during high school.

ADVANCED PLACEMENT TEST CREDIT

AB Test and AB subscore:

Score of 1=	No unit credit; must take MPE to determine placement
Score of 2=	No unit credit; placement into Math 2A or 3A without taking MPE
Score of 3, 4 or 5=	4 units of credit applied to Math 3A; placement into Math 2B or 3B

BC Test and BC subscore:

Score of 1=	No unit credit, must take the MPE to determine placement
Score of 2=	No unit credit, placement into Math 2A or 3A without taking the MPE
Score of 3, 4 or 5=	8 units of credit applied to Math 3AB; placement into Math 4A

INTERNATIONAL BACCALAUREATE EXAM CREDIT

Higher Level Mathematics:

Score of 5, 6 or 7	8 units of credit applied to Math 3AB; placement into Math 4A
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CAMBRIDGE INTERNATIONAL A LEVEL EXAM CREDIT

Mathematics Exam:

Grade of A, B or C = 8 units of credit applied to Math 3AB; placement into Math 4A

Mathematics Further Exam:

Grade of A, B or C = 4 units of credit applied to Math 4A; placement into Math 4B

MATHEMATICS PLACEMENT EXAM (MPE)

- 90-minute exam for students intending to take the Math 2 or 3 series who have not been placed through a qualifying exam listed above
- MPE tests a student's knowledge of those parts of algebra and trigonometry that are essential for calculus
- There is no fee for this exam and pre-registration is not required
- The MPE is available online.
- Results on the MPE exam are significantly improved by reviewing Algebra and trigonometry.

To enroll in Math 2A or 3A: A passing score on the MPE is required.

<http://hw.math.ucsb.edu/placementtest>

Note: The MPE is not required for students who intend to take Math 34A

Majors that <u>require</u> the Math 2 or 3 Series	Majors that <u>accept</u> the Math 34 Series
College of Letters & Science	College of Letters & Science
BS BioChem-Molecular Biology BA Chemistry BS BioChemistry BS Chemistry Cooperative Program in Chem & Chem Engr BA Economics/Mathematics BS Environmental Studies BS Financial Mathematics and Statistics BS Hydrologic Sciences (E.S. Major) BS Physical Geography BA Earth Science BS Earth Science- Geology BS Earth Science- Climate & Environment BS Earth Science- Geohydrology BS Earth Science- Geophysics BS Mathematical Sciences BS or BA Mathematics BS or BA Physics BS or BA Statistical Sciences	BS Aquatic Biology BA Biological Sciences BS Biological Sciences BS Cell & Developmental Biology BS Ecology & Evolution BS Microbiology BS Pharmacology BS Physiology BS Zoology BA Economics BA Economics/Accounting BA Environmental Studies BS Earth Science- Paleobiology BS Biopsychology BS Psychological & Brain Sciences
College of Engineering	College of Engineering
BS Chemical Engineering BS Computer Engineering BS Computer Science BS Electrical Engineering BS Mechanical Engineering	
College of Creative Studies	College of Creative Studies
Math and Science Programs	