MATHEMATICS DEGREE REQUIREMENTS

Effective Fall 2016

Core Requirements for All Math Majors

A. Math 2A__2B__2D/H2D____
   3A____3D____ 13____
B. Math 9 ___
C. One of the following sequences:
   • Chem 1A____B____C____; or
   • Physics 7C____D____E____; or
   • Physics 2____7C____7D____; or
   • Physics 2____7C____7E____

Upper-div: Math 120A____121A____
130A____ 140A____140B____

No specialization/concentration
(Pure Mathematics)

Core requirements for all Mathematics Majors plus:

Math 2E/H2E____
Math 130B____133A____176____

A. Three elective courses from:
   Math:
   105A/LA____105B/LB____107/L____
   112A____112B____112C____
   115____117____118____119____
   121B____130C____133B____140C____

B. Eight required economics courses:
   Econ 20A____20B____
   Econ 105A____105B____105C____
   Econ 122A____ OR 123A____
   Econ 132A____
   Econ 134A____

Specialization in Mathematical Biology

http://www.math.uci.edu/undergraduate-
studies/concentrations-and-specializations

An application should be completed at least 3 quarters prior to graduation.

Core requirements for all Mathematics Majors plus:

Math 2E/H2E____
Math120B____121B____147____
Five additional 4-unit math courses
(100-189):
   ______ ______ ______ ______

Specialization in Mathematical Finance

http://www.math.uci.edu/undergraduate-
studies/concentrations-and-specializations

An application should be completed at least 3 quarters prior to graduation.

Core requirements for all Mathematics Majors plus:

Math 2E/H2E____

Core requirements for all Mathematics Majors plus:

Math 2E/H2E____
Math 130B____133A____176____

A. Three elective courses from:
   Math:
   105A/LA____105B/LB____107/L____
   112A____112B____112C____
   115____117____118____119____
   121B____130C____133B____140C____

B. Eight required economics courses:
   Econ 20A____20B____
   Econ 105A____105B____105C____
   Econ 122A____ OR 123A____
   Econ 132A____
   Econ 134A____

Specialization in Applied and Computational Mathematics

http://www.math.uci.edu/undergraduate-
studies/concentrations-and-specializations

An application should be completed at least 3 quarters prior to graduation.

Core requirements for all Mathematics Majors plus:

Math 2E/H2E____

Other Than Math: All of the following:
   Math: 105A/LA____105B/LB____
   112A____112B____115____121B____

Three elective courses from:
   Math:107/107L____112C____117____
   118____130B____130C____
   133A____133B____140C____176____

Two approved upper-division courses in
an area of application outside of
Mathematics. Approval must be obtained
in advance from the advisor for this
specialization. The student is responsible
for satisfying any prerequisites for these
courses.

Elec. #1._________ Elec. #2._________

Specialization in Mathematics for Education

http://www.math.uci.edu/undergraduate-
studies/concentrations-and-specializations

An application should be completed at least 3 quarters prior to graduation.

Core requirements for all Mathematics Majors plus:

Math 2E/H2E____
Math 8____
Math 105A/LA____120B____
130B____150____161____
180A____184____184L____AND

One additional math course numbered
100-189: _____

Physical Sciences 5____105____

Concentration in Mathematics for Education/Secondary Teaching Certification

Admission requires approval in advance. The admission process begins with completing an Intent form at the Cal Teach Resource and Advising Center.

Core requirements for all Mathematics Majors plus:

Math 2E/H2E____
Math 8____
Math 105A/LA____120B____
130B____150____161____180A____
184____184L____AND

One additional math course numbered
100-189: _____

Physical Sciences 5____105____
Chemistry/Physics 193____
Education 55____109____143A____
143B____148____
Two quarters of Education 158____

This concentration allows students to earn a bachelor’s degree and complete the required coursework and field experience for a California Preliminary Single Subject Teaching Credential at the same time.

NOTE: Students may pursue either the concentration in Mathematics for Education/Secondary Teaching Certification OR the specialization in Mathematics for Education, but not both.