MATHEMATICS DEGREE REQUIREMENTS

● <u>Core Requirements for All Math Majors</u> ●

A. Math 2A____2B____2D/H2D____ 3A____3D____ 13____

B. Math 9 ____

C. <u>One</u> 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____

● <u>No specialization/concentration (Pure Mathematics)</u> ●

Core requirements for all Mathematics Majors <u>plus</u>:

Math 2E/H2E____

Math120B____121B____147____
<u>Five</u> additional 4-unit math courses (100-189):
____ ____ ____ ____ ____

● <u>Specialization in Mathematical Biology</u> ●

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 <u>plus</u>:

Math 2E/H2E____

<u>Replace</u> **Item C** in the Core Requirements *with the following:*
• Bio Sci 93____94____ **AND**
• *<u>Two</u> courses selected from:*
  Chem 1A____1B____;
  Bio Sci 97____;
  Physics 2____7C____ 7D___

<u>All</u> of the following:
Math: 105A/LA____105B/LB____
112A____112B____113A____113B____;

113C____**OR** 115____

<u>Two</u> elective courses (at least one from Math (100-189). The second may be either upper-division Math or a 4-unit upper-division Biological Sciences course with advanced approval from the advisor for this specialization.
Elec. #1._____ Elec. #2._____

● <u>Concentration in Mathematical Finance</u> ●

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 <u>plus</u>:

Math 2E/H2E____

Math 130B____133A____176____

A. *<u>Three</u> elective courses from:*
Math:
105A/LA____105B/LB____ 107/L____ 112A____ 112B____112C____ 115____117____118____ 119____ 121B____ 130C____133B____140C____

B. *<u>Eight</u> required economics courses:*
Econ 20A_____ 20B_____
Econ 105A_____ 105B_____ 105C_____
Econ 122A_____ **OR** 123A_____
Econ 132A_____
Econ 134A_____

● <u>Specialization in Applied and Computational Mathematics</u> ●

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 <u>plus</u>:

Math 2E/H2E____

<u>All</u> of the following:
Math 105A/LA____105B/LB____ 112A____112B____115____121B____

<u>Three</u> elective courses from:
Math:107/107L____ 112C____ 117____ 118____ 130B____ 130C____ 133A____ 133B____ 140C____ 176____

<u>Two</u> 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._____

● <u>Specialization in Mathematics for Education</u>●

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 <u>plus</u>:

Math 8____

Math 105A/LA____ 120B____ 130B____150____161____ 180A____184____ 184L____ **AND**
<u>One</u> additional math course numbered 100-189: ____

Physical Sciences 5____ 105____

● <u>Concentration in Mathematics for Education/Secondary Teaching Certification</u> ●

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 <u>plus</u>:

Math 8____

Math 105A/LA____120B____ 130B____150____161____180A____ 184____184L____**AND**
<u>One</u> additional math course numbered 100-189: ____

Physical Sciences 5____ 105____

Chemistry/Physics 193____

Education 55____ 109____ 143A____ 143B____ 148____ **AND**
two quarters of Education 158____ ____

This **<u>concentration</u>** 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.

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

Effective Fall 2016