**MATH 132A______**

- **CompSci**
- **Math 105A/LA**
- **Math 105B/LB**

**B.**

- **130B**
- **130C**
- **134A**
- **134B**

**A.**

- **Physics 7C**

Replace the following:

- Majors

Majors plus:

- **Math 2E/H2E**

Replace Item C in the Core Requirements with the following:

- Physics 7C
- Stats 7
- Math 10

**B.**

- Three elective courses from:
  - Stats 110
  - Math 115
  - Math 133A & 133B
  - OR 134A & 134B
  - Math 140C

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.

**C.**

- Bio Sci 93
- Two courses selected from:
  - Chem 1A
  - Bio Sci 97
  - Physics 2

**B.**

- Two 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.

**Specialization in Mathematical Biology**

- Core requirements for all Mathematics Majors plus:
  - Math 2E/H2E

Replace Item C in the Core Requirements with the following:

- Bio Sci 93
- Two courses selected from:
  - Chem 1A
  - Bio Sci 97
  - Physics 2

**B.**

- Two 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.

**Specialization in Mathematics for Education/Secondary Teaching Certification**

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

**Core requirements for all Mathematics Majors plus:**

- Math 8

- Math 105A/LA
- Math 130B
- Math 112A
- Math 134A
- Math 134B
- Math 134C

One additional math course numbered 100-189: 

- Phy Sci 5
- Chem/Physics 193

- Edu 55

- Edu 143AW

- Edu 143BW

Two quarters of Edu 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.

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**Core Requirements for All Mathematics**

- **Math 2A**
- **2B**
- **2D/H2D**
- **3A/H3A**
- **3D**
- **13**

- **Math 9**

**C.**

- One of the following sequences:
  - Chem 1A
  - Physics 7C
  - Physics 7C

- Stats 7
- Math 10

Upper-div: Math 120A
- Math 121A
- Math 130A
- Math 140A
- Math 140B

**No specialization/concentration (Pure Mathematics)**

**Core requirements for all Mathematics Majors plus:**

- Math 2E/H2E

- Math 120B
- Math 121B
- Math 147

Five additional 4-unit math courses (100-189):

- ****
- ****
- ****
- ****
- ****

**For ALL Specializations/Concentrations (EXCEPT CalTeach)**

An application should be completed at least 3 quarters prior to graduation. Admission into a concentration or specialization is not guaranteed. The department may limit the number of students admitted into this concentration during impacted years.

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

**Concentration in Statistics**

- Core requirements for all Mathematics Majors plus:
  - Math 2E/H2E

Replace Item C in the Core Requirements with the following:

- Bio Sci 93
- Two courses selected from:
  - Chem 1A
  - Bio Sci 97
  - Physics 2

**B.**

- Two 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.

**Concentration in Data Science**

- Core requirements for all Mathematics Majors plus:
  - Math 2E/H2E

**Specialization in Applied and Computational Mathematics**

- Core requirements for all Mathematics Majors plus:
  - Math 2E/H2E

- **A.**
  - All of the following:
    - Math 105A/LA
    - Math 112A
    - Math 115
    - Math 112C

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.

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**Effective Fall 2021**

1. Three elective courses from list provided. At least one must be from outside the Mathematics department.
UCI SCHOOL OF PHYSICAL SCIENCES
UNIVERSITY / GENERAL EDUCATION REQUIREMENTS

NAME ___________________________ STUDENT ID ___________________________

Other Colleges ___________________________ ___________________________

**UNIVERSITY REQUIREMENTS:**
English (UC ELW) American History Institutions

**RESIDENCY REQUIREMENTS:**
36 of the final 45 units must be completed at UCI

**UNIT REQUIREMENT:** 180 units are required for graduation

**GPA REQUIREMENT AND STANDING:**
Overall GPA of 2.0 GPA in major at least a 2.0 GPA in upper-division major classes at least a 2.0

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<th>Fall</th>
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<td>GEN ED/Elective</td>
<td>Phys 7C, 7LC</td>
<td>Phys 7D, 7LD</td>
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(sample program, your schedule may differ greatly)

Mathematics Department:
http://www.math.uci.edu/
For enrollment questions:
http://www.math.uci.edu/undergraduate
Mathematics tutoring:
http://www.math.uci.edu/undergrad-courses/tutoring-assistance
How to find research:
http://ps.uci.edu/staff/content/research
Course offerings:
http://www.math.uci.edu/undergrad-courses/plan-math-course-offerings

TRANSFER STUDENTS:
Partial IGETC
Full IGETC

cert received? yes ___ no ___