### Bachelor of Science in Physics
#### 2024-2025 Major/General Education/UC Requirements

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<tr>
<th>MAJOR REQUIREMENTS</th>
<th>LOWER-DIVISION REQUIREMENTS</th>
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<tbody>
<tr>
<td>A. Physics*</td>
<td>B. Mathematics*</td>
</tr>
<tr>
<td>_____ Physics 7C-7LC</td>
<td>_____ Math 2A</td>
</tr>
<tr>
<td>_____ Physics 7D-7LD</td>
<td>_____ Math 2B</td>
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<tr>
<td>_____ Physics 7E</td>
<td>_____ Math 2D</td>
</tr>
<tr>
<td>_____ Physics 52A</td>
<td>_____ Math 2E</td>
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<td>_____ Physics 52B</td>
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<td>_____ Physics 52C</td>
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<tr>
<td>_____ Physics 50</td>
<td></td>
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<tr>
<td>_____ Physics 60</td>
<td></td>
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<tr>
<td>_____ Physics 61A</td>
<td></td>
</tr>
<tr>
<td>_____ Physics 61B OR 61C</td>
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<tr>
<td>_____ Physics 53 (or another programming course)</td>
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### UPPER-DIVISION REQUIREMENTS

C. Physics*

| _____ Physics 111A | _____ Physics 111B |
| _____ Physics 112A | _____ Physics 112B |
| _____ Physics 113A | _____ Physics 115A |
| _____ Physics 121W | _____ Physics 125A | _____ Physics 194 |

D. Upper-Division Electives - Five additional coherently related 4-unit courses (for those not pursuing concentrations/specialization)

| __________ | __________ | __________ | __________ | __________ |

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*All courses must be completed from this section.*

Notes:

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### SPECIALIZATION/CONCENTRATIONS

Students interested in declaring a concentration or specialization should contact the Physical Sciences Student Affairs Office. Additional information on focus areas can be found on the Physics Department website: https://www.physics.uci.edu/undergrad-program/majors-course-planning/area-of-focus

#### SPECIALIZATION IN ASTROPHYSICS

Lower-Division (section A & B) and Upper-Division (section C) plus all of the following:

| _____ Physics 61C | _____ Physics 139 |

Plus three courses from: Physics 137, 138, 144, 145

| __________ | __________ | __________ |

Plus two upper-division Physics electives (approved by Faculty Advisor):

Elec. #1 __________ Elec. #2 __________

#### CONCENTRATION IN COMPUTATIONAL PHYSICS

Lower-Division (section A & B) and Upper-Division (section C) plus all of the following:

| _____ ICS 31 | _____ ICS 32 | _____ ICS 33 |
| _____ Math 105A-LA | _____ Math 105B-LB | _____ Math 107-107L |

#### CONCENTRATION IN PHYSICS EDUCATION

Lower-Division (section A & B) and Upper-Division (section C) plus all of the following:

| _____ Phy Sci 5 | _____ Phy Sci 105 |
| _____ Educ 55 | _____ Physics 193 |

Plus four courses from: Bio Sci 1A, 93, 94, Chem 1A, 1B, 1C, ESS 1, 7, Physics 20A, 20B

| __________ | __________ | __________ |

**Educ 143A-B and 148 will be accepted in lieu of Physics 125A and 194.**

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### SECONDARY TEACHING CERTIFICATION OPTION

Lower-Division (section A & B), Upper-Division (section C), and Concentration in Physics Education requirements plus all of the following:

| _____ LPS 60 |
| _____ Educ 109 | _____ Educ 143AW | _____ Educ 143BW |
| _____ Educ 148 | _____ Educ 158 | _____ Educ 158 |

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**AY 2024-2025**
### UNIVERSITY OF CALIFORNIA (UC) REQUIREMENTS

- Entry Level Writing
- American History
- American Institutions

UC Requirements can be satisfied many different ways. Please contact Physical Sciences Student Affairs for more information on how to satisfy UC Requirements.

### GENERAL EDUCATION (GE) REQUIREMENTS

#### IA. LOWER-DIVISION WRITING (2 courses)

1. 
2. 

#### IB. UPPER-DIVISION WRITING (1 course)

1. 

#### II. SCIENCE & TECHNOLOGY (3 courses)

1. 
2. 
3. 

#### III. SOCIAL & BEHAVIORAL SCIENCES (3 courses)

1. 
2. 
3. 

#### IV. ARTS & HUMANITIES (3 courses)

1. 
2. 
3. 

#### V. QUANTITATIVE, SYMBOLIC, COMP. REASONING (3 courses)

VA 1. 

VB 2. 

#### VI. LANGUAGE OTHER THAN ENGLISH (1C or equivalent)

1. 

#### VII. MULTICULTURAL STUDIES (1 course)

1. 

#### VIII. INTERNATIONAL/GLOBAL ISSUES (1 course)

1. 

Reference UCI Catalogue for approved General Education courses: [https://catalogue.uci.edu/](https://catalogue.uci.edu/)

### TRANSFER STUDENTS:

- Partial IGETC
- Full IGETC

Cert. Received. Yes No

### PHYSICS SAMPLE STUDY PLAN

#### FALL WINTER SPRING

**Freshman**
- Math 2B
- Math 2D
- Math 2E
- Physics 7C-LC
- Physics 7D-LD
- Physics 7E
- Physics 99
- Gen Ed/Elective
- Gen Ed/Elective
- Gen Ed/Elective

**Sophomore**
- Math 3A
- Math 3D
- Physics 52C
- Physics 52A
- Physics 52B
- Physics 53
- Physics 60
- Physics 61A
- Physics 61B or 61C
- Gen Ed/Elective
- Gen Ed/Elective
- Gen Ed/Elective

**Junior**
- Physics 111A
- Physics 111B
- Physics 112B
- Physics 50
- Physics 112A
- Physics 113A
- Gen Ed/Elective
- Gen Ed/Elective
- Gen Ed/Elective

**Senior**
- Physics 115A
- Physics 121W
- Gen Ed/Elective
- Physics 194
- Physics 125A
- Gen Ed/Elective
- Gen Ed/Elective
- Gen Ed/Elective
- Gen Ed/Elective

Physical Sciences Student Affairs [http://ps.uci.edu/undergraduates](http://ps.uci.edu/undergraduates)

Department of Physics & Astronomy [https://www.physics.uci.edu](https://www.physics.uci.edu)

School of Physical Sciences [https://ps.uci.edu/](https://ps.uci.edu/)