

MAJOR REQUIREMENTS

A. CORE REQUIREMENTS

Mathematics

☐ Math 2A ☐ Math 2B ☐ Math 2D
☐ Math 2E ☐ Math 3A ☐ Math 3D

Physics

☐ Physics 7C-7LC ☐ Physics 7D-LD ☐ Physics 7E
(Physics 3 series is an alternative. Physics 7 series is strongly recommended.)
☐ Physics 50 ☐ Physics 53 (or approved alternative)
☐ Physics 60 **OR** Chem 1C/H2C **OR** EngrMAE 91
☐ Physics 61A **OR** Physics 51A
☐ Physics 111A ☐ Physics 112A ☐ Physics 113A
☐ Physics 115A

B. LOWER-DIVISION LAB REQUIREMENT (6 units needed)

☐ Physics 52A (2 units) ☐ Chem 51LC (3 units)
☐ Physics 52B (2 units) ☐ Chem H/M52LA (3 units)
☐ Physics 52C (2 units) ☐ Chem H/M52LB (3 units)
☐ Chem 1LC (3 units) ☐ Engr 7A (2 units)
☐ Chem 1LD (3 units) ☐ Engr 7B (2 units)
☐ Chem M2LA (3 units) ☐ EECS 70LA (1 unit)
☐ Chem M2LB (3 units) ☐ EECS 70LB (1 unit)
☐ Chem 51LB (3 units)

C. UPPER-DIVISION LAB REQUIREMENT (8 units needed)

☐ Physics 106W (4 units) ☐ Other approved upper-
☐ Physics 120 (4 units) division labs outside of
☐ Physics 121W (4 units) Physics Department
☐ Physics 139 (4 units)
☐ Physics 193 (4 units)

D. WRITING COMMUNICATION REQUIREMENT

☐ Physics 194 ☐ Educ 143BW
☐ Phy Sci 139W ☐ Other approved upper-
 division writing course with
 department approval

E. ELECTIVE REQUIREMENT

The major requires 32 additional units of coherently related elective courses from Phys 100-150 and/or 200-299 with approval from the department. Up to 8 units may be lower-division electives in Physics such as Phys 20, 61B, or H90.

CONCENTRATIONS

Students interested in declaring a concentration 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>

CONCENTRATION IN BIOMEDICAL PHYSICS

For students in the Biomedical Physics concentration, the coherently related elective requirement is completed by the following:

☐ Bio Sci 97 ☐ Bio Sci 98 ☐ Bio Sci 99
☐ Chem 1A-1B-1C-1LC-1LD OR
☐ Chem H2A-H2B-H2C-H2LA-H2LB
☐ Chem 51A-51B

CONCENTRATION IN ENGINEERING PHYSICS

For students in the Engineering Physics concentration, at least 24 of the 32 elective units must come from courses in the Henry Samueli School of Engineering. Pre-approved courses include:

☐ EECS 70A (4 units) ☐ EECS 174 (4 units)
☐ EECS 70B-70LB (4/1 units) ☐ EECS 188 (4 units)
☐ EECS 170A-LA (4/1 units) ☐ EngrMAE 120 (4 units)
☐ EECS 170B-LB (4/1 units) ☐ EngrMAE 130A (4 units)
☐ EECS 170C-LC (4/1 units) ☐ EngrMAE 147 (4 units)

All other courses must be approved by the Concentration in Engineering Physics Faculty Advisor.

Requirements in sections A/B/C/D/E or concentration requirements may not double-count. Courses can only be applied toward one section.

Name _____ Student ID _____

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.
VA or VB 3.
VI. LANGUAGE OTHER THAN ENGLISH (1C or equivalent)
1.
VII. MULTICULTURAL STUDIES (1 course)
1.
VIII. INTERNATIONAL/GLOBAL ISSUES (1 course)
1.

TRANSFER STUDENTS:

☐ Partial IGETC ☐ Full IGETC

Cert. Received. ☐ Yes ☐ No

Physical Sciences Student Affairs

<http://ps.uci.edu/undergraduates>

Department of Physics & Astronomy

<https://www.physics.uci.edu>

School of Physical Sciences

<https://ps.uci.edu/>

APPLIED PHYSICS SAMPLE STUDY PLAN

FALL	WINTER	SPRING
<i>Freshman</i>		
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	Gen Ed/Elective	Gen Ed/Elective
<i>Sophomore</i>		
Math 3A	Math 3D	Physics 52C
Physics 52A	Physics 52B	Physics 53
Physics 60	Physics 61A	Gen Ed/Elective
Gen Ed/Elective	Gen Ed/Elective	Gen Ed/Elective
<i>Junior</i>		
Physics 111A	Physics 112A	Physics 113A
Physics 50	Gen Ed/Elective	Gen Ed/Elective
Gen Ed/Elective	Elective	Elective
Gen Ed/Elective	Elective	Elective
<i>Senior</i>		
Physics 115A	Physics 121W	Physics 106W
Physics 194	Elective	Elective
Elective	Elective	Elective
Elective	Elective	Elective

Reference UCI Catalogue for approved General Education courses:
<https://catalogue.uci.edu/>