B.S. APPLIED PHYSICS DEGREE REQUIREMENTS

A. Core Requirements:
   Students must complete all courses
   □ Math 2A OR Math 5A
   □ Math 2B □ Math 2D
   □ Math 2E □ Math 3A
   □ Math 3D
   □ Physics 7C-7D-7E-7LC-7LD OR Physics 3A-3B-3C-3LB-3LC
   *Physics 7 series is strongly recommended for majors.
   □ Physics 50
   □ Physics 53 (or approved alternate programming course)
   □ Physics 60 OR Chem 1C/H2C/M3C OR ENGRMAE 91
   □ Physics 61A OR Physics 51A
   □ Physics 111A □ Physics 112A
   □ Physics 113A □ Physics 115A

B. Lower-Division Lab Requirement:
   □ Students must complete 6 units of labs using any combination of the following courses
   Physics 52A (2 units)
   Physics 52B (2 units)
   Physics 52C (2 units)
   Chem 1LC (3 units)
   Chem 1LD (3 units)
   Chem H/M2LA (3 units)
   Chem H/M2LB (3 units)
   Chem 51LB (3 units)
   Chem 51LC (3 units)
   Chem H/M52LA (3 units)
   Chem H/M52LB (3 units)
   ENGR 7A (2 units)
   ENGR 7B (2 units)
   EECS 70LA (1 unit)
   EECS 70LB (1 unit)

   _____ /6 units completed

C. Upper-Division Lab Requirement:
   □ Students must complete 8 units of upper-division lab courses, 4 units must be in Physics selecting from the following courses
   Physics 106W (4 units)
   Physics 120 (4 units)
   Physics 121W (4 units)
   Physics 139 (4 units)
   Physics 193 (4 units)
   Physics 196C (4 units)
   EECS 170LA (1 unit)
   ENGRMAE 150L (1 unit)
   Other approved upper-division labs outside of Physics Department

   /8 units completed

D. Writing Communication Requirement:
   □ Students must complete one writing communication course selected from the following
   Physics 194
   Phy Sci 139W
   Educ 143BW
   One approved upper-division writing course with departmental approval

E. Elective Requirement:
   The major requires 32 additional units of coherently related elective courses chosen from PHYS 100-150 and/or 200-299 with approval from the Department Undergraduate Advisor. Up to 8 units may be lower-division electives in Physics such as Physics 20, 61B, or H90.

   _____ /8 units completed

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

   # _____ Engineering units completed

The remaining 8 units may be lower-division or upper-division Physics courses, upper-division Math courses, or Engineering courses; plan requires pre-approval by the Department Undergraduate Advisor.

Optional Concentration in Biomedical Physics
For students in the Biomedical Physics Concentration, the coherently related elective requirement is completed by the following courses:
   □ Chem 51A-51B OR Chem H/M52A-H/M52B

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

Effective Fall 2024
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>Winter</th>
<th>Spring</th>
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(sample program, your schedule may differ greatly)

Physics Department:
http://www.physics.uci.edu/
Enrollment questions:
http://www.physics.uci.edu/physics-enrollment-policies
Physics tutoring:
http://www.physics.uci.edu/undergrad-program/academic-help
How to find research:
http://www.physics.uci.edu/undergrad-program/research

General Education (GE) Requirements

I. Writing (2 lower-division, 1 upper-division) □
1. 
2. 
3. 

II. Science & Technology (any 3) □
1. 
2. 
3. 

III. Social & Behavioral Sciences (any 3) □
1. 
2. 
3. 

IV. Arts & Humanities (any 3) □
1. 
2. 
3. 

V. Quantitative, Symbolic and Computational Reasoning □
Va. 
Vb. 
Va or Vb. 

VI. Language Other than English □
1C or equivalent 

VII. Multicultural Studies (one course) □

VIII. International/Global Issues (one course) □

TRANSFER STUDENTS:
Partial IGETC_____ 
Full IGETC_____
cert received? yes____ no _____