

# PHYSICS DEGREE REQUIREMENTS

## Basic Requirements

- Math 2A    Math 2B    Math 2D  
 Math 2E    Math 3A    Math 3D

Physics 7C-7D-7E-7LC-7LD

Physics 50    Physics 60

Physics 61A

Physics 61B **OR** 61C

Physics 52A

Physics 52B

Physics 52C

Physics 53 (or another programming course)

Physics 111A    Physics 111B

Physics 112A    Physics 112B

Physics 113A

Physics 115A

Physics 121W

Physics 125A

Physics 194

Five additional coherently related four-unit courses (these are normally satisfied by tracks, concentrations, or specializations)\*.

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\_\_\_\_\_    \_\_\_\_\_

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\*Note: Tracks, concentrations and specializations usually require *six or more* coherently related courses.

## Specialization in Astrophysics

In place of the five coherently related courses, students take:

- Physics 61C    Physics 139

**Three** courses from:

Physics 137, 138, 144, 145

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**Two** approved upper division Physics electives

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## Concentration in Philosophy of Physics

In place of the five coherently related courses, students take:

- LPS 31    Physics 113B

**One** course selected from:

LPS 40, 60, H80, H125

Soc Sci H1G

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**One** course selected from:

LPS 30, 104, 105A, 105B, 105C

Math 150, 151, 152

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**One** course selected from:

LPS 104, 105A, 105B, 105C, 140

Math 150, 151, 152

History 135D (when topic is Physics)

Or another approved course

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**Three** courses selected from:

LPS 141A, 141B, 141C, 141D

Or another approved Philosophy of

Physics course

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## Concentration in Computational Physics

In place of the five coherently related courses, students take:

- ICS 31    ICS 32    ICS 33

Math 105A-105LA

Math 105B-105LB

Math 107-107L

## Concentration in Physics Education

In place of the five coherently related courses, students take:

- Phy Sci 5    Phy Sci 105

Educ 55    Physics 193

**Four** courses selected from:

Bio Sci 1A, 93, 94

Chem 1A, 1B, 1C

ESS 1, 7

Physics 20A, 20B

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\_\_\_\_\_    \_\_\_\_\_

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## Secondary Teaching Certification Option:

With additional coursework and field experience, students who complete the Concentration in Physics Education can also earn a California Preliminary Single Subject Teaching Credential in four years with careful, early planning.

All of the following are required:

- LPS 60    Educ 109

Educ 143A    Educ 143B

Educ 148

Educ 158    Educ 158

(two quarters required)

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

**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 \_\_\_\_\_

**TRANSFER STUDENTS:**

Partial IGETC \_\_\_\_\_

Full IGETC \_\_\_\_\_

cert received? yes \_\_\_\_\_ no \_\_\_\_\_

General Education (GE) Requirements	
<b>I. Writing (2 lower-division, 1 upper-division)</b>	<input type="checkbox"/>
1.	
2.	
3.	
<b>II. Science &amp; Technology (any 3)</b>	<input type="checkbox"/>
1.	
2.	
3.	
<b>III. Social &amp; Behavioral Sciences (any 3)</b>	<input type="checkbox"/>
1.	
2.	
3.	
<b>IV. Arts &amp; Humanities (any 3)</b>	<input type="checkbox"/>
1.	
2.	
3.	
<b>V. Quantitative, Symbolic and Computational Reasoning</b>	<input type="checkbox"/>
Va.	
Vb.	
Va or Vb.	
<b>VI. Language Other than English</b>	<input type="checkbox"/>
1C or equivalent	
<b>VII. Multicultural Studies (one course)</b>	<input type="checkbox"/>
<b>VIII. International/Global Issues (one course)</b>	<input type="checkbox"/>

Fall	Winter	Spring
<b>Freshman</b>		
Math 2B	Math 2D	Math 2E
Physics 7C, 7LC	Physics 7D, 7LD	Physics 7E
Physics 99	GEN ED	GEN ED
Writing/GEN ED		
<b>Sophomore</b>		
Math 3A	Math 3D	Physics 53
Physics 52A	Physics 61A	Physics 61B
GEN ED	Physics 52B	Physics 52C
		Physics 60
<b>Junior</b>		
Physics 50	Physics 111B	Physics 113A
Physics 111A	Physics 112A	Physics 112B
Elective	Elective	Elective
<b>Senior</b>		
Physics 115A	Physics 121W	Elective
Physics 194	Physics 125A	Elective
Elective	Elective	Elective

(sample program, your schedule may differ greatly)

Physics Department:

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

For enrollment questions:

<http://www.physics.uci.edu/physics-enrollment-policies>

Physics tutoring:

<http://www.physics.uci.edu/ugrad/why>

How to find research:

<http://www.physics.uci.edu/ugrad/res>