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)*.

☐ ___________ ☐ ___________
☐ ___________ ☐ ___________
☐ ___________

*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
☐ ___________
☐ ___________
☐ ___________

Two approved upper division Physics
electives
☐ ___________
☐ ___________

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
☐ ___________

One course selected from:
LPS 30, 104, 105A, 105B, 105C
Math 150, 151, 152
☐ ___________

One course selected from:
LPS 104, 105A, 105B, 105C, 140
Math 150, 151, 152
History 135D (when topic is Physics)
Or another approved course
☐ ___________

Three courses selected from:
LPS 141A, 141B, 141C, 141D
Or another approved Philosophy of
Physics course
☐ ___________
☐ ___________
☐ ___________

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
☐ ___________ ☐ ___________
☐ ___________ ☐ ___________

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.

Effective Fall 2019