

PHYSICS DEGREE REQUIREMENTS

Basic Requirements

Math 2A____ 2B____
2D/H2D____ 2E/H2E____

3A____ 3D____

Physics 7C____ D____ E____

7LC____ 7LD____

50____ 60____

61A____

61B____ or 61C____

52A____ 52B____ 52C____

Physics 53____ (or another
programming course)

Physics 111A____ B____

Physics 112A____ B____

Physics 113A____

Physics 115A____

Physics 121____

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____
and

Three astrophysics courses from:

Physics 137____ 138____

144____ 145____

and

Any **two** approved upper division

Physics electives

Concentration in Computational Physics

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

ICS 31____ 32____ 33____

Math 105A____ 105LA____

Math 105B____ 105LB____

Math 107____ 107L____

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____

LPS H125____

Soc Sci H1G____

One course selected from:

LPS 30____ 104____

LPS 105A____ 105B____ 105C____

Math 150____ 151____ 152____

One course selected from:

LPS 104____

LPS 105A____ 105B____ 105C____

LPS 140____

Math 150____ 151____ 152____

History 135D____ (when topic is

Physics) Or another approved course

Three courses selected from:

LPS 141A____ 141B____

LPS 141C____ 141D____

Or another approved Philosophy of
Physics course

Concentration in Physics Education

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

Physics 193____

Educ 55____

Phy Sci 5____ 105____

(Phy Sci 106 is recommended)

Four courses selected from:

Bio Sci 1A____ **or**

Bio Sci 93____ 94____

Chem 1A____ 1B____ 1C____

ESS 1____ ESS 7____

Physics 20A____ 20B____

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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____ 143B____ 148____

Educ 158 (2 quarters)____

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