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)*.

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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____
and
Three astrophysics courses from:
Physics 137____138____
144____145____
and
Any two approved upper division physics electives

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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____

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.