## PHYSICS DEGREE REQUIREMENTS

## courses, students take: In place of the five coherently related courses, students take: **Basic Requirements** □ Physics 61C □ Physics 139 $\square$ ICS 31 $\square$ ICS 32 $\square$ ICS 33 ☐ Math 2A ☐ Math 2B ☐ Math 2D **Three** courses from: Physics 137, 138, 144, 145 ☐ Math 105A-105LA $\square$ Math 2E $\square$ Math 3A $\square$ Math 3D ☐ Math 105B-105LB □ \_\_\_\_\_ ☐ Physics 7C-7D-7E-7LC-7LD ☐ Math 107-107L □ Physics 50 □ Physics 60 Two approved upper division Physics **Concentration in** ☐ Physics 61A electives **Physics Education** ☐ Physics 61B **OR** 61C In place of the five coherently related courses, students take: ☐ Physics 52A **Concentration** in □ Phy Sci 5 ☐ Phy Sci 105 ☐ Physics 52B **Philosophy of Physics** □ Educ 55 ☐ Physics 193 ☐ Physics 52C In place of the five coherently related Four courses selected from: ☐ Physics 53 (or another courses, students take: Bio Sci 1A, 93, 94 Chem 1A, 1B, 1C programming course) ☐ LPS 31 ☐ Physics 113B ESS 1, 7 One course selected from: Physics 20A, 20B LPS 40, 60, H80, H125 □ Physics 111A □ Physics 111B Soc Sci H1G ☐ Physics 112A ☐ Physics 112B One course selected from: ☐ Physics 113A LPS 30, 104, 105A, 105B, 105C **Secondary Teaching Certification** ☐ Physics 115A Math 150, 151, 152 **Option:** ☐ Physics 121W With additional coursework and field One course selected from: experience, students who complete the ☐ Physics 125A LPS 104, 105A, 105B, 105C, 140 Concentration in Physics Education can Math 150, 151, 152 also earn a California Preliminary ☐ Physics 194 History 135D (when topic is Physics) Single Subject Teaching Credential in Or another approved course four years with careful, early planning. Five additional coherently related fourunit courses (these are normally All of the following are required: satisfied by tracks, concentrations, or **Three** courses selected from: specializations)\*. LPS 141A, 141B, 141C, 141D □ LPS 60 □ Educ 109 Or another approved Philosophy of ☐ Educ 143A □ Educ 143B Physics course O\_\_\_\_\_ □ Educ 148 □ \_\_\_\_\_\_ O\_\_\_\_\_ ☐ Educ 158 ☐ Educ 158 (two quarters required) \*\*Educ 143A-B and 148 will be accepted in lieu of Physics 125A \*Note: Tracks, concentrations and and 194. specializations usually require six or

**Specialization in Astrophysics** 

In place of the five coherently related

**Concentration in** 

**Computational Physics** 

*more* coherently related courses.