BA PHYSICS  Flowchart

☐ 60 units upper division  ☐ GWR
☐ 2.0 GPA  ☐ USCP

* = Required in Major; also satisfies GE

Course sequencing: See flowcharts at www.csmadvising.calpoly.edu

Note: No major or support courses may be taken as credit/no credit.

MAJOR COURSES

PHYS 141 General Physics IA......................... 4
PHYS 132 General Physics II (B3 & B4)*.............. 4
PHYS 133 General Physics III......................... 4
PHYS 206 Instrumentation in Experimental Physics 3
PHYS 211 Modern Physics I........................... 4
PHYS 212 Modern Physics II........................... 4
PHYS 256 Electrical Measurements Laboratory .... 1
PHYS 301 Thermal Physics I......................... 4
PHYS 302 Classical Mechanics I..................... 4
PHYS 322 Vibrations and Waves...................... 3
PHYS 405 Quantum Mechanics I or
PHYS 412 Solid State Physics......................... 3-4
PHYS 461 Senior Project I or
PHYS 463 Senior Project - Lab Research I........... 2
Select one from the following: ......................... 3-4
HIST 350 The Scientific Revolution, c. 1500-1800 (4) (D5) (5/24/12)
PHIL 321 Philosophy of Science (4) (C4*),
PHIL 421 Phil. of Space, Time and Matter (4), or
SCM 451 Ethics in the Sciences (3)
CHEM 127 General Chemistry......................... 4
CHEM 128 General Chemistry......................... 4
MATH 141 Calculus I (B1) *......................... 4
MATH 142 Calculus II (B1)*.......................... 4
MATH 143 Calculus III................................ 4
MATH 241 Calculus IV................................ 4
MATH 244 Linear Analysis I.......................... 4
MATH/STAT elective (300-400 level; MATH 344
recommended)........................................... 4
Physics electives (300-400 level)....................... 16
Select at least one of the following:
PHYS 323, 340, 341, 342, 357, 417, 422, 423, 452, ASTR 444 (12/15/10)
In addition, choose courses with the prefixes
PHYS, ASTR or GEOL (but no more than 6
units from each of ASTR and GEOL)

Area B Science and Mathematics (4 units)
B1 Mathematics/Statistics * 8 in Major .......... 0
B2 Life Science........................................ 4
B3 Physical Science * 4 in Major............... 0
B4 One lab taken with either a B2 or B3 course

Area C Arts and Humanities (20 units)
C1 Literature ............................................ 4
C2 Philosophy.......................................... 4
C3 Fine/Performing Arts .............................. 4
C4 Upper-division elective......................... 4
Area C elective (Choose one course from C1-C4) 4

Area D/E Society and the Individual (20 units)
D1 The American Experience (40404) ............ 4
D2 Political Economy ................................ 4
D3 Comparative Social Institutions ............... 4
D4 Self Development (CSU Area E) ............... 4
D5 Upper-division elective......................... 4

Area F Technology Elective (upper division) (4 units)

60

FREE ELECTIVES ........................................ 27-29 †
180

GENERAL EDUCATION (GE)
72 units required, 16 of which are specified in Major.
See page 50 for complete GE course listing.
Minimum of 12 units required at the 300 level.

Area A Communication (12 units)
A1 Expository Writing .................................. 4
A2 Oral Communication ................................ 4
A3 Reasoning, Argumentation, and Writing ...... 4

† Care must be taken when selecting electives to ensure compliance with the “60 unit upper division” requirement.
† Note (C2) prerequisites for these courses.