## California State Polytechnic University, Pomona <br> Degree Curriculum Sheet

Plan (Major) PHYSICS
Subplan/Option $\qquad$
Required Core Courses
Required of all students. A minimum 2.0 cumulative GPA is required in core courses, ncluding subplan courses, in order to receive a degree in the major.
PHY 131 - General Physics (3) and
PHY 131L - General Physics Laboratory (1)
PHY 132 - General Physics (3) and
PHY 132L - General Physics Laboratory (1)
PHY 133 - General Physics (3) and
PHY 133L - General Physics Laboratory (1)
PHY 234 - Introduction to Electromagnetic Radiation and Special Relativity (3) and PHY 234L - Introductory Laboratory on Electromagnetic Radiation and Special Relativity (1)

PHY 235 - Introduction to Quantum Physics (3) and
PHY 235L - Introductory Laboratory on Quantum Physics (1)
PHY 308 - Fundamentals of Mathematical Physics (4)
PHY 309 - Fundamentals of Mathematical Physics (4)
PHY 314 - Physics of Electric and Magnetic Phenomena (4)
PHY 315 - Physics of Electric and Magnetic Phenomena (4)
PHY 321 - Mechanics (4)
PHY 322 - Mechanics (4)
PHY 333 - Thermal Physics (4)
PHY 401 - Quantum Mechanics (4)
PHY 402 - Quantum Mechanics (4)
PHY 430L - Advanced Physics Laboratory (1)
PHY 431L - Solid State Physics Laboratory (1)
PHY 432L - Nuclear Physics Laboratory (1)
PHY 463 - Undergraduate Seminar (2)

## Total Units 61

## Elective Core Courses

Students must select 8 units of courses from the list below.
A minimum 2.0 cumulative GPA is required in core courses, including subplan
courses, in order to receive a degree in the major.
PHY 304/304L - Electronics for Scientists (3/1)
PHY 400 - Special Study for Upper Division Students (1-2) (up to 4 units total) PHY 409 - Computational Physics (4)

PHY 417 - Optics (3) and
PHY 417L - Optics Laboratory (1)
PHY 441 - Internship in Physics (2) (up to 4 units total
HY 461 - Senior Project (2) and
HY 462 - Senior Project (2)
Total Units 8
$\qquad$
Minimum Units Required $\qquad$

Name
Student ID

## General Education Requirements

## Area A Communication \& Critical Thinking ( 12 units)

1. Oral Communication
2. Written Communication
3. Critical Thinking

## Area B Mathematics \& Natural Sciences (16 units)

1. Physical Science
2. Biological Science
3. Laboratory Activity
4. Math/Quantitative Reasoning
5. Science \& Technology Synthesis

## Area C Humanities (16 units)

1. Visual and Performing Arts
2. Philosophy and Civilization
3. Literature and Foreign Language
4. Humanities Synthesis

## Area D Social Sciences (20 units)

1. U.S. History, Constitution, American Ideals
a. United States History
b. Introduction to American Government
2. History, Economics and Political Science
3. Sociology, Anthropology, Ethnic \& Gender Studies
4. Social Science Synthesis

Area E Lifelong Understanding \& Self Development (4 units)

## Total Units 68

## American Institutions

Courses that satisfy this requirement may also satisfy GE Area D1

## American Cultural Perspectives Requiremen

Refer to the University Catalog General Education Program section for a list of courses that satisty this requirement. Course may also satisfy major, minor, GE , or unrestricted elective requirements.

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[^0]:    All persons who receive undergraduate degrees from Cal Poly Pomona must pass the Graduation Writing Test (GWT). The test must be taken by the quarter following completion of 120 units for undergraduates.

