

**Santa Clara University - College of Arts & Sciences**  
**Requirements for the Bachelor of Science in Physics**  
**19 Feb. 2026, CPW**

NAME \_\_\_\_\_  
 I.D. # \_\_\_\_\_

EXPECTED GRADUATION DATE \_\_\_\_\_  
 EMAIL ADDRESS \_\_\_\_\_

**University Core Requirements (Record course and term)**

Theme I: Foundations

Critical Thinking & Writing 1 \_\_\_\_\_  
 Critical Thinking & Writing 2 \_\_\_\_\_  
 Cultures & Ideas 1 \_\_\_\_\_  
 Cultures & Ideas 2 \_\_\_\_\_  
 Second Language \_\_\_\_\_  
 Mathematics \_\_\_\_\_ X \_\_\_\_\_  
 Religion, Theology & Culture 1 \_\_\_\_\_

Theme II: Explorations

Ethics \_\_\_\_\_  
 Diversity: U.S. Perspectives \_\_\_\_\_  
 Arts \_\_\_\_\_  
 Natural Science \_\_\_\_\_ X \_\_\_\_\_  
 Social Science \_\_\_\_\_  
 Religion, Theology & Culture 2 \_\_\_\_\_  
 Cultures & Ideas 3 \_\_\_\_\_  
 Science, Technology & Society\* \_\_\_\_\_ (X) \_\_\_\_\_  
 Religion, Theology & Culture 3 \_\_\_\_\_

Theme III: Integrations

Experiential Learning for  
 Social Justice \_\_\_\_\_  
 Advanced Writing† \_\_\_\_\_

Pathway Title \_\_\_\_\_  
 Pathway Course 1 \_\_\_\_\_  
 Pathway Course 2 \_\_\_\_\_  
 Pathway Course 3 \_\_\_\_\_  
 Pathway Course 4 \_\_\_\_\_

\*STS satisfied by PHYS 103 + PHYS 192  
 †Advanced writing satisfied by PHYS 151

**Physics Major Course Requirements**

PHYS 20 \_\_\_\_\_  
 PHYS 31, 32 (preferred) \_\_\_\_\_  
 or 11, 12 \_\_\_\_\_  
 PHYS 33 \_\_\_\_\_  
 PHYS 34 \_\_\_\_\_  
 PHYS 70 \_\_\_\_\_  
 PHYS 103\* \_\_\_\_\_  
 PHYS 111 \_\_\_\_\_  
 PHYS 112 \_\_\_\_\_  
 PHYS 120 \_\_\_\_\_  
 PHYS 121 \_\_\_\_\_  
 PHYS 122 \_\_\_\_\_  
 PHYS 151 \_\_\_\_\_  
 PHYS 192 \_\_\_\_\_

CHEM 11 or 14 \_\_\_\_\_  
 MATH 11 \_\_\_\_\_  
 MATH 12 \_\_\_\_\_  
 MATH 13 \_\_\_\_\_  
 MATH 14 \_\_\_\_\_  
 AMTH 106 (preferred) \_\_\_\_\_  
 or Math 23 \_\_\_\_\_

\* Prerequisite: Intro Computing (CSCI 10, COEN 10, or similar)

**AND** one lower division elective chosen from CSCI 10, CSEN 10, CSEN 11, MECH 45, CHEM 12†

† (CHEM 12 and CHEM 14 cannot both be taken for credit)

**AND** three upper division electives and one supplemental lab chosen from PHYS 104, 113, 113L, 116, 123, 123L, 161, 162

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**Graduation Unit Requirements**

A minimum of 175 units are required for graduation.  
 A minimum of 60 upper division units are required for graduation.

**Comments:**

*Students are personally responsible for knowing all academic and administrative policies and regulations affecting their program of study and for abiding by all such policies and regulations during their period of enrollment at the University. Continued enrollment is subject to compliance with the academic and administrative policies and regulations as described herein and otherwise published by the University. Failure to understand the policies and regulations does not relieve a student of his or her responsibility for adhering to the policies and regulations. (Undergraduate Bulletin)*