

AS-T Physics 2.0

The Physics 2.0 Transfer Degree is designed to give the student the typical lower division course work for physics. A major in physics can serve as preparation for further study in technical fields and serves as an excellent background for professional training in law, business, medicine, or education.

Career Opportunities

A bachelor's degree in physics is an excellent starting point for many science careers.

Program Learning Outcomes

Students completing this program will be able to:

1. Use the scientific method and appreciate its importance to the development of scientific thought.
2. Demonstrate critical thinking and analyze physical systems in terms of scientific concepts.
3. Document and communicate their work effectively.

AS-T Degree Requirements: 63 units

Major: Core and Selective Requirements

Complete Core Courses, 36 units		Units
PHYS 250	Physics with Calculus I	4 units
PHYS 260	Physics with Calculus II	4 units
PHYS 270	Physics with Calculus III	4 units
MATH C2210	Calculus I: Early Transcendentals	5 units
MATH C2220	Calculus II: Early Transcendentals	5 units
MATH 253	Analytic Geometry and Calculus III	5 units
MATH 270	Linear Algebra	3 units
MATH 275	Ordinary Differential Equations	3 units
CIS 122	Introduction to Programming: Python	3 units
OR		
CIS 250	Introduction to Object Oriented Programming: C++	3 units
OR		
CIS 284	Introduction to Object Oriented Programming- Java	3 units

Completion of Cal-GETC (California General Education Transfer Curriculum)

Elective courses:

Additional CSU or UC transferable courses needed to meet the minimum 60 CSU transferable unit requirement.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.

