AS Physics

The Physical Science Degree is designed to give the student breadth in the physical sciences while providing considerable strength in one of the specialized physical science fields. The lower-division program is virtually the same as that taken in the first two years of college by a chemistry, physics, or geology major.

Career Opportunities

A major in physical science 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

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 Degree Requirements
Major: Core and Selective Requirements

Complete Core Courses, 43 units		Units
CHEM 210	General Chemistry I	5 units
CHEM 220	General Chemistry II	5 units
CIS 250	Introduction to Object Oriented Programming: C++	3 units
MATH 251	Analytical Geometry and Calculus I	5 units
MATH 252	Analytical Geometry and Calculus II	5 units
MATH 253	Analytic Geometry and Calculus III	5 units
MATH 275	Ordinary Differential Equations	3 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

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.