Physics

Award Type: Associate in Arts

The associate degree program in physics prepares students to begin upper-division work leading to a baccalaureate degree in physics or engineering physics. It also provides some of the support courses required for the baccalaureate degree.

The graduate of the Associate in Arts in Physics will:

- Demonstrate knowledge of the fundamental laws of Physics and physical terminology.
- Apply physical principles to solve a variety of simple problems.
- Demonstrate the proper use of physical apparatus for testing and observing physical theories.
- Write Scientific reports on a given experiment indicating the significance of the experiment and the degree to which the results verify a principle or law.
- Analyze complex problems to identify single principle components, and synthesize solutions from multiple concepts.

Program Requirements

A major of 30 units is required for the associate in arts degree. Required core courses (30 units):

Course Number	Course Title	Units
CHEM 150	General Chemistry 1	5.0
CHEM 151	General Chemistry 2	5.0
MATH 181	Calculus 1	4.0
MATH 182	Calculus 2	4.0
PHYS 161	Engineering Physics 1	4.0
PHYS 162	Engineering Physics 2	4.0
PHYS 163	Engineering Physics 3	4.0

Recommended electives:

Course Number	Course Title	Units
MATH 183	Multivariable Calculus	4.0
MATH 184	Linear Algebra/Differential Equations	5.0