

## Chemistry

**Award Type:** Associate in Arts

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

**The graduate of the Associate in Arts in Chemistry will:**

- Demonstrate mastery of the approach and rationale of the scientific method and be able to apply these principles to solve problems
- Demonstrate mastery of stoichiometric calculations.
- Demonstrate mastery of laboratory technique.

### Program Requirements

**A major of 34 units is required for the degree.**

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
MATH 183	Multivariable Calculus	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
CHEM 140	Introduction to Organic and Biochemistry	4.0