CHEMISTRY - ASSOCIATE IN ARTS

The purpose of the A.A. Degree in Chemistry is to provide a lower-division science foundation for those interested in pursuing chemistry or biochemistry as a major field of study. This major prepares students to transfer to any California State University or University of California campus. Students considering careers in research, teaching, scientific consulting, or medicine, and the chemical, pharmaceutical, or biotechnology industries, find the Chemistry major an ideal academic preparation for entry into these professions. Major requirements have to be completed with a C or better.

Program Learning Outcomes

- Perform technical work in diverse careers, such as health sciences, engineering, industrial chemistry, pharmacy, materials science, and teaching, that require technical knowledge in chemistry/biochemistry.
- Apply scientific methodologies and math skills, communicate effectively, and think critically.
- Demonstrate competence in lab techniques and chemical experimental methods.

Major Requirements

Course	Title	Units
CHEM 001A	General Chemistry	5
CHEM 001B	General Chemistry	5
CHEM 012A	Organic Chemistry	5
CHEM 012B	Organic Chemistry	5
MATH 066 & MATH 067	Calculus I Late Transcendentals for STEM and Calculus II Late Transcendentals for STEM	8
or		
MATH 071 & MATH 072	Calculus I With Analytic Geometry and Calculus II With Analytic Geometry	10

Total Requirements

Course	Title	Units
Major Requirements		28-30
General Education Requirements [1]		39
Total Units		**60-62**

[1] Some GE courses may be double counted within the major.