

Chemistry

Award Type: Associate in Science for Transfer

The Associate in Science in Chemistry for Transfer prepares students to begin upper-division coursework leading to a baccalaureate degree in chemistry at the California State University. The University of California typically requires the addition of multivariable calculus and differential equations for chemistry transfers. Associate Degree for Transfer Requirements Completion of 60 semester units that are eligible for transfer to the California State University, including the following: 1. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth (CSU GE). 2. A minimum of 18 semester units in a major or area of emphasis as determined by the community college district. 3. Obtainment of an overall minimum grade point average of 2.0. 4. Minimum grade of C, or P grade, for each course in the major. [The following Allan Hancock College graduation requirements will not be required: Health and Wellness, Multicultural Gender Studies and Allan Hancock College General Education.]

The graduate of the Associate in Science for Transfer 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 techniques.

Program Requirements

A major of 36 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
CHEM 180	Organic Chemistry 1	5.0
CHEM 181	Organic Chemistry 2	5.0
MATH 181	Calculus 1	4.0
MATH 182	Calculus 2	4.0
PHYS 161	Engineering Physics 1	4.0
PHYS 163	Engineering Physics 3	4.0

General Education

Complete the following:

- Intersegmental General Education Transfer Curriculum (IGETC) for STEM - 31 units, or
- CSU General Education Breadth (CSU GE) for STEM - 33 units.

Double Counting:

A maximum of 7 units can be double counted for the major and CSU GE and IGETC general education units.

Complete additional CSU transferrable courses as needed to achieve 60 units required for the degree - 0 units

Visit [myHancock](#) and select the [DegreeWorks](#) icon to view CSU or IGETC general education and transferrable courses.