

# CHEMISTRY ASSOCIATE IN SCIENCE DEGREE FOR UC TRANSFER

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**PROGRAM CODE:** 1S43112

Financial Aid Eligible

The **Chemistry Associate in Science Degree for UC Transfer**, also known as the Chemistry AS-UCT, prepares students for transfer to UC campuses that offer bachelor's degrees in chemistry. This program aligns with the UC Transfer Pathway (UCTP). The Chemistry AS-UCT introduces students to general principles of inorganic and organic chemistry with associated laboratory analysis and prepares students for upper division coursework in the discipline of chemistry through the coursework in chemistry, physics and mathematics. Students with a degree in chemistry may pursue careers in a variety of fields such as pharmacy, medicine, engineering, teaching, biotechnology, patent law, and forensic science. Students completing this degree are guaranteed admission to the UC system, but not necessarily to a particular UC campus or major of their choice. In addition to completing the coursework and IGETC courses for this degree, students must achieve a cumulative minimum grade point average of 3.5 in the major. This degree requires 49 units in the major, 16-20 general education (IGETC) coursework, in addition to other graduation requirements. This degree requires 65-67

Code	Title	Units
<b>Required Courses: (49 units)</b>		
CHEM 111AC	General Chemistry I	5
CHEM 111BC	General Chemistry II	5
CHEM 211AC	Organic Chemistry I	5
CHEM 211BC	Organic Chemistry II	5
PHYS 221 C	General Physics I	4
PHYS 222 C	General Physics II	4
PHYS 223 C	General Physics III	4
MATH 150AC	Calculus I	4
MATH 150BC	Calculus II	4
MATH 250AC	Multivariable Calculus	4
MATH 250BC	Linear Algebra and Differential Equations	5
<b>General Education Requirements</b>		
<i>In addition to the required coursework, 16-20 units of Intersegmental General Education Transfer Curriculum (IGETC) must be completed.</i>		
Area 1A Freshman Composition (4 units)		
Area 1B Critical Thinking (4 units)		
Area 3 Arts and Humanities (3 units)		
Area 4 Social and Behavioral Science (3 units)		
Area 5B Biological Science (4 units)		
Area 6 Language Other than English (0-4 units)		
<b>Total Units</b>		<b>49</b>

## Program Student Learning Outcomes:

**OUTCOME 1:** Acquire the knowledge and skills, including the principles and applications of general and organic chemistry, experimental techniques and safety protocols in laboratory, necessary for transfer to a four-year institution.