

CHEMISTRY ASSOCIATE IN SCIENCE DEGREE FOR UC TRANSFER

PROGRAM NUMBER: 2S41936

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 and organic chemistry as well as allied coursework in both physics and mathematics, preparing students for further study in the discipline of chemistry. Coursework in the discipline of chemistry includes instruction in molecular-level interpretations regarding the properties and reactions of inorganic and organic substances. Students with a degree in chemistry may pursue careers in government agencies or various areas of industry, including environmental, pharmaceutical, and material chemistry. Students completing this degree are guaranteed admission to the UC system, but not necessarily to a particular UC campus or major of their choice. This degree requires the completion of 47-48 units in the major, 20 units of Intersegmental General Education Transfer Curriculum (IGETC), and a minimum of 60 semester units with an overall grade point average of at least 2.0, where a higher grade point average is expected to remain competitive for admission to the UC system. Furthermore, students must achieve a cumulative minimum grade point average of 3.5 in the major for guaranteed transfer to the UC system.

Code	Title	Units
Required Core (48 units)		
CHEM 111AF	General Chemistry I	5
CHEM 111BF	General Chemistry II	5
CHEM 211AF	Organic Chemistry I	5
CHEM 211BF	Organic Chemistry II	5
MATH 151 F or MATH 151HF	Calculus I (formerly MATH 150AF) Honors Calculus I (formerly MATH 150HF)	4
MATH 152 F or MATH 152HF	Calculus II (formerly MATH 150BF) Honors Calculus II	4
MATH 251 F	Multivariable Calculus (formerly MATH 250AF)	4
MATH 252 F or MATH 260 F	Linear Algebra and Differential Equations (formerly MATH 250BF) Ordinary Differential Equations	4
PHYS 221 F	General Physics I	4
PHYS 222 F	General Physics II	4
PHYS 223 F	General Physics III	4
Total Units		48

Program Level Student Learning Outcomes

OUTCOME 1: Demonstrate knowledge of inorganic and organic chemistry and have the ability to articulate this chemical knowledge in verbal, written, and/or computational form.

OUTCOME 2: Demonstrate the ability to conduct experiments, analyze data, and interpret results, while observing responsible and ethical scientific conduct.

OUTCOME 3: Demonstrate the use of proper procedures and regulations for safe handling and use of chemicals.

[https://www.curricunet.com/fullerton/reports/program_report.cfm?
programs_id=1322](https://www.curricunet.com/fullerton/reports/program_report.cfm?programs_id=1322)