

## Associate in Science for Transfer Degree: Chemistry UC Transfer Pathway (UCTP)

The Associate in Science Degree for UC transfer in Chemistry is intended to prepare students to transfer to a UC campus and complete a bachelor's degree in a similar major. The program introduces students to general and organic chemistry in addition to math and physics coursework, preparing students for upper-division coursework and other chemistry-related fields of study. The degree aligns with the UC Transfer Pathway (UCTP) for chemistry. Transfer Agreement Guarantee (TAG) students completing this degree are guaranteed admission to the UC system, but not necessarily to a particular UC campus or major of their choice.

To complete an Associate in Science degree for UC Transfer in Chemistry, students must complete the following: (1) 51 semester units in Chemistry major preparation and Cal-GETC courses, as prescribed on the UCTP Template: 3 units from Area 1A – English Composition, 3 units from Area 1B – Critical Thinking and Composition, 3 units from Area 3A or 3B – Arts and Humanities, 3 units from Area 4 – Social and Behavioral Sciences, 4 units from Area 5B – Biological Sciences, and 3 units from Area 6 – Ethnic Studies. (2) Meet the specified requirements as stated in the Transfer Agreement Guarantee (TAG) for the available school. (3) A cumulative minimum grade point average of 3.5 in the major. (Students who earn less than 3.5 GPA (UC transferable) still meet the associate degree graduation requirement but will not receive guaranteed admission into a UC). (4) A “C” grade or better, or “P,” in all courses required for the major. It is highly recommended that students take the course for a letter grade (A, B, or C). (5) A minimum of 12 units at College of the Canyons. The degree allows for the deferment of one course in Area 1C (Oral Communications) one course in Area 3A or 3B (Arts and Humanities, area not taken as part of the UCTP degree) and one course in Area 4 (Social Science) of the Cal-GETC. These are to be completed at the UC, once transferred. Note: this degree is not aligned with the CSU transfer requirements. CSU will require students to complete Cal-GETC Area 1C prior to transfer.

### Degree Student Learning Outcome:

Students will be able to demonstrate knowledge of the field of chemistry including problem solving, critical thinking, scientific inquiry, and lab skills as well as the ability to effectively communicate chemical knowledge in preparation for upper division work.

### Program Requirements:

Units Required: 51

	Units:
CHEM-201      General Chemistry I	5.0
OR	
CHEM-201H    General Chemistry I – Honors	5.0
CHEM-202      General Chemistry II	5.0
CHEM-255      Organic Chemistry I	5.0
CHEM-256      Organic Chemistry II	5.0
MATH-211      Calculus I	5.0
MATH-212      Calculus II	5.0
MATH-213      Calculus III	5.0
MATH-215      Differential Equations	4.0
PHYSIC-220    Physics for Scientists and Engineers: Mechanics of Solids and Fluids	4.0
PHYSIC-221    Physics for Scientists and Engineers: Electricity, Magnetism, and Waves	4.0
PHYSIC-222    Physics for Scientists & Engineers: Thermodynamics, Optics, Relativity & Modern Physics	4.0