

CHEMISTRY, ASSOCIATE IN SCIENCE FOR UC TRANSFER

This Associate in Science degree in Chemistry for UC Transfer degree is intended to enhance student transfer and increase academic preparation for CCC students as they prepare to transfer into a Chemistry program at a UC campus. Along with the 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. Students should consult with a counselor for more information on university admission and transfer requirements, as this degree in Chemistry may not be the best option for students intending to transfer to a particular UC campus or to a college or university that is not part of the UC system.

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To obtain an Associate in Science in Chemistry for UC Transfer degree, students must:

1. Complete all courses required for the Chemistry major, as prescribed on the UCTP Template.
2. Complete IGETC* courses in the following areas, as prescribed on the UCTP Template.
 - Area 1A Freshman Composition (3 units)
 - Area 1B Critical Thinking (3 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)
3. Meet the specified requirements as stated in the Transfer Agreement Guarantee (TAG) for the available school.
4. Obtain 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.
5. Obtain a grade of "C" better, or "P", in all courses required for the major. Although a "P" grade is allowed (Title 5 section 55062), it is highly recommended that students take the course for a letter grade (A, B, or C) due to unit limitations on "P/NP" courses by the UC system and Moorpark College.
6. Complete requirements in residency. For students in the Ventura County Community College District, a minimum of 12 units must be completed in residence within the college district.

* NOTE: The degree allows for the postponement of two courses in Area 3 (Arts and Humanities) and two courses in Area 4 (Social Science) of the IGETC. These are to be completed at the UC, once transferred.

Course ID	Title	Units/ Hours
REQUIRED CORE COURSES		
CHEM M01A	General Chemistry I	5
or CHEM M01AH	Honors: General Chemistry I	
CHEM M01B	General Chemistry II	5
CHEM M07A	Organic Chemistry I	5
CHEM M07B	Organic Chemistry II	5
MATH M25A	Calculus with Analytic Geometry I	5
or MATH M25AH	Honors: Calculus with Analytic Geometry I	
MATH M25B	Calculus with Analytic Geometry II	5
or MATH M25BH	Honors: Calculus with Analytic Geometry II	
MATH M25C	Calculus with Analytic Geometry III	5
MATH M35	Applied Differential Equations	3
PHYS M20A	Mechanics of Solids and Fluids	4
PHYS M20AL	Mechanics of Solids and Fluids Laboratory	1
PHYS M20B	Thermodynamics, Electricity, and Magnetism	4
PHYS M20BL	Thermodynamics, Electricity, and Magnetism Laboratory	1
PHYS M20C	Wave Motion, Optics, and Modern Physics	4
PHYS M20CL	Wave Motion, Optics, and Modern Physics Laboratory	1
Total Units for the Major		53
IGETC General Education Requirements: Refer to the IGETC for the list of courses available for each Area		25
AREA 1A Freshman Composition: One course		
AREA 1B Critical Thinking: One course		
AREA 3 Arts and Humanities: One course		
AREA 4 Social and Behavior Science: One course		
Area 6 Language other than English (0-4 units)		
Total Units Required for the Degree		78

Upon successful completion of this program, students will be able to:

- use the process of scientific inquiry to qualitatively and quantitatively solve chemistry problems by gathering evidential information, analyzing data, forming appropriate conclusions, and communicating these results through written and oral expressions.
- demonstrate a mastery of organic chemistry material at a level equal to or greater than the national average as determined by the nationally standardized Organic Chemistry exam developed by the American Chemical Society (ACS) at the completion of the capstone class CHEM M07B Organic Chemistry II.