

**UC Transfer Pathway (UCTP) Template for Chemistry**

**CCC Major or Area of Emphasis:** Chemistry

**TOP Code:** 190500

**UC Major(s):** Chemistry

**Total Units:** 45 (all units are semester units)

Template # 0002

Original: 09/01/17

**This template is for the UC Transfer Pathway in Chemistry; it is not subject to the limitations set forth by SB 1440/ SB 440. The template guarantees admission into the University of California system in a Chemistry program for students who meet the minimum 3.5 GPA in the major.**

In the four columns to the right under the **College Program Requirements**, enter the college's course identifier, title and the number of units comparable to the course indicated for the UCTP. If the course may be double-counted with IGETC, enter the GE Area to which the course is articulated. To review the GE Areas and associated unit requirements, please go to Chancellor's Office Academic Affairs page. This template's general education requirements presume completion of two courses in Area 3 and two courses in Area 4 after transfer to the University of California to complete an entire IGETC pattern. This represents typical course taking patterns for the discipline.

The units indicated in the template are the **minimum** semester units required for the prescribed course or list. All courses must be UC transferable. **All courses must be submitted to C-ID prior to completing the proposal for Chancellor's Office approval.**

Associate in Science in Chemistry for UC Transfer						
College Name: Moorpark						
UC TRANSFER PATHWAY (UCTP)		COLLEGE PROGRAM REQUIREMENTS				
Course Title (units)	C-ID Descriptor	Course ID	Course Title	Units	IGETC Area	
<b>REQUIRED CORE: (45 units)</b>						
General Chemistry for Science Majors Sequence A (10)	CHEM 120S	CHEM M01A	General Chemistry I	5	5A, 5C	
		OR	Honors: General Chemistry I	5	5A, 5C	
		CHEM M01AH	AND	General Chemistry II	5	5A, 5C
		AND				
Organic Chemistry for Science Majors Sequence A (8)	CHEM 160S	CHEM M07A	Organic Chemistry I	5	5A, 5C	
		AND	AND			
Calculus-based Physics for Scientists and Engineers: ABC (12) <b>OR</b> Calculus-based Physics for Scientists and Engineers: A (4) <b>AND</b> Calculus-based Physics for Scientists and Engineers: B (4) <b>AND</b> Calculus-based Physics for Scientists and Engineers: C (4)	PHYS 200S <b>OR</b> PHYS 205 <b>AND</b> PHYS 210 <b>AND</b> PHYS 215	PHYS M20A/L	Mechanics of Solids and Fluids and Lab	4/1	5A, 5C	
		AND	AND			
		PHYS M20B/L	Thermodynamics, electricity and Magnetism and Lab	4/1	5A, 5C	
		AND	AND			
		PHYS M20C/L	Wave Motion, Optics and Modern Physics and Lab	4/1	5A, 5C	

Single Variable Calculus I – Early Transcendentals (4) <b>OR</b> Single Variable Calculus I – Late Transcendentals (4)	MATH 210  <b>OR</b> MATH 211	MATH M25A OR MATH M25AH	Calculus with Analytic Geometry I OR Honors: Calculus with Analytic Geometry I	5  5	2  2
Single Variable Calculus II – Early Transcendentals (4) <b>OR</b> Single Variable Calculus II – Late Transcendentals (4)	MATH 220  <b>OR</b> MATH 221	MATH M25B	Calculus with Analytic Geometry II	5	2
Multivariable Calculus (4)	MATH 230	MATH M25C	Calculus with Analytic Geometry III	5	2
Ordinary Differential Equations (3) <b>OR</b> Differential Equations and Linear Algebra (5)	MATH 240 OR MATH 910-S	MATH M35	Applied Differential Equations	3	2
<b>IGETC General Education Requirements</b> (20 units)					
Area 1A Freshman Composition (3 units)					
Area 1B Critical Thinking (3 units)					
Area 3 Arts and Humanities (3 units)					
Area 4 Social and Behavior Science (3 units)					
Area 5B Biological Science (4 units)					
Area 6 Language other than English (0-4 units)					
<b>Minimum Units for the Major:</b>	<b>45</b>	<b>Total Units for the Major:</b>		53	
		<b>General Education (IGETC) Units</b>			25
		<b>Elective (IGETC Transferable) Units</b>			0
		<b>Total Degree Units</b>			78