

CCC Major or Area of Emphasis: Chemistry

TOP Code: 190500

CSU Major(s): Chemistry

Total Units: 36 (all units are minimum semester units)

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 TMC. If the course may be double-counted with either CSU-GE or 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, RESOURCE section located at:

<http://extranet.cccco.edu/Divisions/AcademicAffairs/CurriculumandInstructionUnit/TransferModelCurriculum.aspx>

or the ASSIST website:

http://web1.assist.org/web-assist/help/help-csu_ge.html.

The units indicated in the template are the **minimum** semester units required for the prescribed course or list. All courses must be CSU transferable. **All courses with an identified C-ID Descriptor must be submitted to C-ID prior to submission of the Associate Degree for Transfer (ADT) proposal to the Chancellor's Office.**

Associate in Science in Chemistry for Transfer Degree					
College Name:		COLLEGE PROGRAM REQUIREMENTS			
TRANSFER MODEL CURRICULUM (TMC)	C-ID Descriptor	Course ID	Course Title	Units	GE Area CSU IGETC
REQUIRED CORE: (36 units)					
General Chemistry for Science Majors Sequence (10)	CHEM 120S				
Organic Chemistry for Science Majors Sequence (10)	CHEM160S				

TRANSFER MODEL CURRICULUM (TMC)		COLLEGE PROGRAM REQUIREMENTS								
Course Title (units)	C-ID Descriptor	Course ID	Course Title	Units	GE Area					
					CSU	IGETC				
Calculus-Based Physics for Scientists and Engineers: A (4)	PHYS 205									
Calculus-Based Physics for Scientists and Engineers: B (4)	PHYS 210									
Single Variable Calculus Sequence (8) OR Single Variable Calculus I – Early Transcendentals (4) AND Single Variable Calculus II – Early Transcendentals (4) OR Single Variable Calculus I – Late Transcendentals (4) AND Single Variable Calculus II – Late Transcendentals (4)	MATH 900S OR MATH 210 AND MATH 220 OR MATH 211 AND MATH 221									
Total Units for the Major:	36	Total Units for the Major:								
Total Double-counted Units <i>(The transfer GE Area limits must <u>not</u> be exceeded)</i>										
*General Education (CSU-GE or IGETC for STEM) Units						33				
Elective (CSU Transferable) Units						31				
Total Degree Units (maximum)						60				

NOTES:

- 1.* This TMC presumes completion of IGETC for STEM, allowing for completion of 6 units of non-STEM GE work after transfer. The high number of Discipline units for this TMC prohibits the CSU GE Breadth pathway. Students seeking this degree should be advised that an additional course in CSU GE Area A1 will be required of them to be admitted to CSU as a transfer student.