

**Transfer Model Curriculum (TMC) Template for Environmental Science**

**CCC Major or Area of Emphasis:** Environmental Science

**TOP Code:** 0301.00

**CSU Major(s):** Environmental Science

**Total Units:** 37-39 (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](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.**

Where no **C-ID Descriptor** is indicated, discipline faculty should compare their existing course to the example course(s) provided in the TMC at:

<http://www.c-id.net/degreereview.html>

Attach the appropriate ASSIST documentation as follows:

- *Articulation Agreement by Major (AAM)* demonstrating lower division preparation in the major at a CSU;
- *CSU Baccalaureate Level Course List by Department (BCT)* for the transfer courses; and/or,
- *CSU GE Certification Course List by Area (GECC)*.

The acronyms **AAM**, **BCT**, and **GECC** will appear in **C-ID Descriptor** column directly next to the course to indicate which report will need to be attached to the proposal to support the course's inclusion in the transfer degree. To access ASSIST, please go to <http://www.assist.org>.

Associate in Science in Environmental Science for Transfer Degree						
College Name: Foothill College						
TRANSFER MODEL CURRICULUM (TMC)		COLLEGE PROGRAM REQUIREMENTS				
Course Title (units)	C-ID Descriptor	Course ID	Course Title	Units	GE Area	
					CSU	IGETC
<b>REQUIRED CORE:</b> (13-14 units) <b>Select 1 of 2 options</b>						
<b>Option 1</b>						
Biology Sequence for Majors (8)	BIOL 135S					
General Chemistry for Science Majors I, with Lab (5)	CHEM 110					
<b>OR</b>						
<b>Option 2</b>						
Cell and Molecular Biology (4)	BIOL 190	BIOL 1A	Principles of Cell Biology	6	B2, B3	5B/5C
General Chemistry for Science Majors Sequence A (10)	CHEM 120S	CHEM 1A	General Chemistry	5	B1, B3	5A/5C
		OR CHEM 1AH	Honors General Chemistry	5	B1, B3	5A/5C
		& CHEM 1B OR	& General Chemistry	5	B1, B3	

		CHEM 1BH & CHEM 1C	Honors General Chemistry & General Chemistry	5  5	B1/ B3  B1/ B3	5A/ 5C 5A/ 5C 5A/ 5C
<b>LIST A: (13-14 units)</b>						
Intro to Environmental Science (3)	ENVS 100	BIOL 9	Environmental Biology	4	B2	5B
Physical Geology (3) <b>AND</b> Physical Geology Laboratory (1)  <b>OR</b> Physical Geology with Lab (4) <b>OR</b> Introduction to Physical Geography (3) <b>AND</b> Physical Geography, Laboratory (1) <b>OR</b> Introduction to Physical Geography, with Lab (4)	GEOL 100 <b>AND</b> GEOL 100L  <b>OR</b> GEOL 101 <b>OR</b> GEOG 110 <b>AND</b> GEOG 111 <b>OR</b> GEOG 115					
		GEOG 1	Physical Geography	5	B1, B3	5A/ 5C
Introduction to Statistics (3) <b>AND</b> Single Variable Calculus I – Early Transcendentals (4) <b>OR</b> Single Variable Calculus I – Late Transcendentals (4) <b>OR</b> Business Calculus (3)	MATH 110 <b>AND</b> MATH 210  <b>OR</b> MATH 211  <b>OR</b> MATH 140	MATH 10 or MATH 17 or PSYC 7/ SOC 7 and MATH 1A & 1B OR MATH 12	Elementary Statistics OR Integrated Statistics II OR Statistics for the behavioral Sciences  AND Calculus & Calculus OR Business Calculus	5  5 5 5 5	B4  B4 B4 B4 B4	2  2 2 2 2
<b>LIST B: Select two or three (11 units)</b>						
Principals of Microeconomics (3)	ECON 201	ECON 1B	Principles of Microeconomics	5	D	4
Calculus-Based Physics for Scientists and Engineers: A (4) <b>AND</b> Calculus-Based Physics for Scientists and Engineers: B (4) <b>OR</b> Algebra/Trigonometry-Based Physics: AB (8)	PHYS 205  <b>AND</b> PHYS 210  <b>OR</b> PHYS 100S	PHYS 4A &  PHYS 4B OR PHYS 2A &  PHYS 2B &  PHYS 2C	General Physics (CALCULUS) General Physics (CALCULUS) General Physics  General Physics  General Physics	6  6 5 5 5	B1, B3 B1, B3 B1, B3 B1, B3 B1, B3	5A/ 5C, 5A/ 5C 5A/ 5C 5A/ 5C 5A/ 5C
<b>Total Units for the Major:</b>	<b>37-39</b>	<b>Total Units for the Major:</b>		<b>57- 65</b>		
				<b>Total Double-counted Units</b> <i>(The transfer GE Area limits must <u>not</u> be exceeded)</i>		20 20

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<b>*General Education (CSU-GE or IGETC for STEM) Units</b>	<b>33</b>	<b>31</b>
<b>Elective (CSU Transferable) Units</b>	1-9	4-12
<b>Total Degree Units (maximum)</b>	<b>60</b>	

**NOTES:**