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)*

Template #2016
09/01/2017

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.***

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:**						
TRANSFER MODEL CURRICULUM (TMC)		**COLLEGE PROGRAM REQUIREMENTS**				
Course Title (units)	**C-ID Descriptor**	**Course ID**	**Course Title**	**Units**	**GE Area**	
					CSU	**IGETC**
REQUIRED CORE: (13-14 units) **Select 1 of 2 options**						
Option 1						
Biology Sequence for Majors (8)	BIOL 135S					

TRANSFER MODEL CURRICULUM (TMC)		COLLEGE PROGRAM REQUIREMENTS				
Course Title (units)	C-ID Descriptor	Course ID	Course Title	Units	GE Area CSU	GE Area IGETC
General Chemistry for Science Majors I, with Lab (5)	CHEM 110					
OR						
Option 2						
Cell and Molecular Biology (4)	BIOL 190					
General Chemistry for Science Majors Sequence A (10)	CHEM 120S					
LIST A: (13-14 units)						
Intro to Environmental Science (3)	ENVS 100					

TRANSFER MODEL CURRICULUM (TMC)		COLLEGE PROGRAM REQUIREMENTS				
Course Title (units)	C-ID Descriptor	Course ID	Course Title	Units	GE Area CSU	GE Area IGETC
Physical Geology (3) **AND** Physical Geology Laboratory (1) **OR** Physical Geology with Lab (4) **OR** Introduction to Physical Geography (3) **AND** Physical Geography, Laboratory (1) **OR** Introduction to Physical Geography, with Lab (4)	GEOL 100 **AND** GEOL 100L **OR** GEOL 101 **OR** GEOG 110 **AND** GEOG 111 **OR** GEOG 115					
Introduction to Statistics (3) **AND** Single Variable Calculus I – Early Transcendentals (4) **OR** Single Variable Calculus I – Late Transcendentals (4) **OR** Business Calculus (3)	MATH 110 **AND** MATH 210 **OR** MATH 211 **OR** MATH 140					
LIST B: Select two or three (11 units)						
Principals of Microeconomics (3)	ECON 201					

TRANSFER MODEL CURRICULUM (TMC)		COLLEGE PROGRAM REQUIREMENTS				
Course Title (units)	**C-ID Descriptor**	**Course ID**	**Course Title**	**Units**	**GE Area CSU**	**GE Area IGETC**
Calculus-Based Physics for Scientists and Engineers: A (4) **AND** Calculus-Based Physics for Scientists and Engineers: B (4) **OR** Algebra/Trigonometry-Based Physics: AB (8)	PHYS 205 **AND** PHYS 210 **OR** PHYS 100S					
Total Units for the Major:	**37-39**		**Total Units for the Major:**			
			Total Double-counted Units (***The transfer GE Area limits must not be exceeded***)			
			***General Education (CSU-GE or IGETC for STEM) Units**		**33**	**31**
			Elective (CSU Transferable) Units			
			Total Degree Units (maximum)		**60**	

NOTES:

*Use of a transferable general education pattern designed for STEM (i.e., IGETC or CSU GE Breadth for STEM) is presumed. Permissible maximum units for the major may vary depending on the units necessary for completion of the general education requirement and the extent of double-counting permitted.

Advisory Note: It is strongly recommended that students and counselors at community colleges discuss the biology and chemistry course options that are part of major preparation at a target CSU campus and encourage students to follow the track that most closely aligns with their target CSU campus.