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| **Transfer Model Curriculum (TMC) Template for Environmental Science** | Template #2016  |
| **CCC Major or Area of Emphasis:** Environmental Science |  09/01/2017 |
| **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>.

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>.

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| **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** |
| **REQUIRED CORE:** (13-14 units)**Select 1 of 2 options** |  |  |
| **Option 1** |
| Biology Sequence for Majors (8) | BIOL 135S |       |       |       |       |       |
| General Chemistry for Science Majors I, with Lab (5) | CHEM 110 |       |       |       |       |       |
| **OR** |  |  |
| **Option 2** |
| 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 ORCHEM 1AH & CHEM 1B ORCHEM 1BH& CHEM 1C | General Chemistry ORHonors General Chemistry &General Chemistry ORHonors General Chemistry &General Chemistry  | 55555 | B1, B3B1, B3B1, B3B1/B3B1/B3 | 5A/ 5C5A/ 5C5A/ 5C5A/ 5C5A/ 5C |
| **LIST A:** (13-14 units) |  |  |
| Intro to Environmental Science (3) | ENVS 100 | BIOL 9 | Environmental Biiology | 4 | B2 | 5B |
| 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 | GEOG 1 | Physical Geography | 5 | B1, B3 | 5A/ 5C |
| 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 | MATH 10 or MATH 17 or PSYC 7/ SOC 7 and MATH 1A & 1BORMATH 12 | Elementary StatisticsOR Integrated Statistics II ORStatitstics for the behavioral SciencesANDCalculus &CalculusORBusiness Calculus | 555555 | B4B4B4B4B4B4 | 222222 |
| **LIST B:** **Select two or three** (11 units) |  |  |  |  |  |  |
| Principals of Microeconomics (3) | ECON 201 | ECON 1B | Principles of Microeconomics | 5 | D | 4 |
| 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 | PHYS 4A &PHYS 4B ORPHYS 2A & PHYS 2B &PHYS 2C | General Physics (CALCULUS)General Physics (CALCULUS)General PhysicsGeneral PhysicsGeneral Physics | 66555 | B1, B3B1, B3B1, B3B1, B3B1, B3 | 5A/ 5C,5A/ 5C5A/ 5C5A/ 5C5A/ 5C |
|  |  |  |  |  |  |  |
| **Total Units for the Major:** | **37-39** | **Total Units for the Major:** | 57-65 |  |
|  | **Total Double-counted Units** **(*The transfer GE Area limits must not be exceeded)*** | 20 | 20 |
| **\*General Education (CSU-GE or IGETC for STEM) Units** | **33** | **31** |
| **Elective (CSU Transferable) Units** | 1-9 | 4-12 |
| **Total Degree Units (maximum)** | **60** |

**NOTES:**