



## Transfer Model Curriculum Template for Biology 2.0

**Approval Dates:** October 17, 2014; May 7, 2015;  
November 8, 2023 (Cal-GETC Compliance)

**CCC Associate Degree for Transfer Major or Area of Emphasis: Biology**

**CSU Majors deemed similar:** Biology

**Degree Type:** AS-T

**Total Minimum Semester Units for Major or Area of Emphasis:** 21 - 30

*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.*

### Courses

**Required Core (21-26 units minimum):**

Title	C-ID Designation or other Justification	C-ID Units (or sample units)	Proposed Cal-GETC Area for double counting
Biology Sequence for Majors	BIOL 135S	8	5B/5C
<b>OR</b> Cell and Molecular Biology <b>and</b>	BIOL 190	4	5B/5C
Organismal Biology	BIOL 140	4	5B/5C
<b>OR</b> Cell and Molecular Biology <b>and</b>	BIOL 190	4	5B/5C
Organismal Biology, Ecology and Evolution	BIOL 130S	8	5B/5C
<b>OR</b> Cell and Molecular Biology <b>and</b>	BIOL 190	4	5B/5C
Zoology/Animal Diversity and Evolution <b>and</b>	BIOL 150	4	5B/5C
Botany/Plant Diversity and Ecology	BIOL 155	4	5B/5C
General Chemistry for Science Majors Sequence A	CHEM 120S	10	5A/5C
Single Variable Calculus I – Early Transcendentals	MATH 210	4	2
<b>OR</b> Single Variable Calculus I – Late Transcendentals	MATH 211	4	2
<b>OR</b> Calculus for Life and Social Sciences	AAM	3	2

**List A – Select additional major preparation (if possible based on unit limitation and if required articulation exists, zero to one course (0-4 units minimum):**

Title	C-ID Designation or other Justification	C-ID Units (or sample units)	Proposed Cal-GETC Area for double counting
Select one (1) additional course that is articulated as major preparation at a CSU campus	AAM	0-4	

**TOTAL MAJOR UNITS 21-30\***

Cal-GETC Requirements	34
Double Counting GE	-10
Elective	6 to 15
<b>Total Units</b>	<b>60</b>

*\* All units are based on the semester and indicated minimum units. The major must be a minimum of 18 semester units.*

**\*Please note that colleges are permitted to use up to six additional units, but no additional local requirements can be added to this degree. Students are only required to complete the full Cal-GETC pattern and the core courses listed in the TMC.**

## Notes and History

List B should indicate if BIOL 135S is chosen, then one course from List B may be chosen. Then the total units for the major would be 29-34.

Prior TMC included:

*Use of a transferable general education pattern designed for STEM (i.e., IGETC or CSU GE Breadth for STEM) is presumed.*