

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 form. If the course may be double-counted with Cal-GETC, 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:

<https://www.cccco.edu/About-Us/Chancellors-Office/Divisions/Educational-Services-and-Support/What-we-do/Curriculum-and-Instruction-Unit/Templates-For-Approved-Transfer-Model-Curriculum>

or the ASSIST website:

<https://www.assist.org/>

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/degereview.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 the **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 Biology for Transfer Degree					
College Name: MOORPARK COLLEGE					
TRANSFER MODEL CURRICULUM (TMC)		COLLEGE PROGRAM REQUIREMENTS			
Course Title (units)	C-ID Descriptor	Course ID	Course Title	Units	Cal-GETC
<b>REQUIRED CORE: (8-12 units)</b>					
Biology Sequence for Majors (8)	BIOL 135S	BIOL M02A OR BIOL M02AH <b>AND</b> BIOL M02B OR BIOL M02BH	General Biology I OR Honors: General Biology I <b>AND</b> General Biology II OR Honors: General Biology II	5  5  5  5	5B, 5C  5B, 5C  5B, 5C  5B, 5C
<b>OR</b> Cell and Molecular Biology (4) <b>and</b> Organismal Biology (4)	BIOL 190 BIOL 140				
<b>OR</b> Cell and Molecular Biology (4) <b>and</b> Organismal Biology (4), Ecology and Evolution (8)	BIOL 190 BIOL 130S				
<b>OR</b> Cell and Molecular Biology (4) <b>and</b> Zoology/Animal Diversity and Evolution (4) <b>and</b> Botany/Plant Diversity and Ecology (4)	BIOL 190 BIOL 150 BIOL 155				

TRANSFER MODEL CURRICULUM (TMC)		COLLEGE PROGRAM REQUIREMENTS			
Course Title (units)	C-ID Descriptor	Course ID	Course Title	Units	Cal-GETC
<b>LIST A:</b> (21-22 units)					
General Chemistry for Science Majors Sequence A (10)	CHEM 120S	CHEM M01A	General Chemistry I	5	5A, 5C
		OR CHEM M01AH	Honors: General Chemistry I	5	5A, 5C
		<b>AND</b> CHEM M01B	<b>AND</b> General Chemistry II	5	5A, 5C
Single Variable Calculus I – Early Transcendentals (4)	MATH 210	MATH M25A	Calculus with Analytic Geometry I	5	2
<b>OR</b> Single Variable Calculus I – Late Transcendentals (4)	<b>OR</b> MATH 211	OR MATH M25AH	Honors: Calculus with Analytic Geometry I	5	2
<b>OR</b> Calculus for Life and Social Sciences (3)	<b>OR</b> <b>AAM</b>	OR MATH M16A	OR Applied Calculus I	3	2
Algebra/Trigonometry-Based Physics A (4)	PHYS 105	PHYS M10A	General Physics I	4	5A
<b>AND</b> Algebra/Trigonometry-Based Physics B (4)	<b>AND</b> PHYS 110	<b>AND</b> PHYS M10AL	<b>AND</b> General Physics I Lab	1	5C
<b>OR</b> Calculus-Based Physics for Scientists and Engineers: A (4)	<b>OR</b> PHYS 205	<b>AND</b> PHYS M10B	<b>AND</b> General Physics II	4	5A
<b>AND</b> Calculus-Based Physics for Scientists and Engineers: B (4)	<b>AND</b> PHYS 210	<b>AND</b> PHYS M10BL	<b>AND</b> General Physics II Lab	1	5C
<b>OR</b> Algebra/Trigonometry-Based Physics: AB (8)	<b>OR</b> PHYS 100S	<b>OR</b> PHYS M20A	<b>OR</b> Mechanics of Solids and Fluids	4	5A
		<b>AND</b> PHYS M20AL	<b>AND</b> Mechanics of Solids and Fluids Lab	1	5C
		<b>AND</b> PHYS M20B	<b>AND</b> Thermodynamics, Electricity and Magnetism	4	5A
		<b>AND</b> PHYS M20BL	<b>AND</b> Thermodynamics, Electricity and Magnetism Lab	1	5C
<b>LIST B:</b> Select additional major preparation (if possible based on unit limitation and if required articulation exists, zero to one course (0-4 units minimum): Select one (1) additional course that is articulated as major preparation at a CSU campus	<b>AAM</b>				
<b>Total Units for the Major:</b>	<b>29 - 38</b>	<b>Total Units for the Major: 33 - 35</b>			
		<b>Total Double-counted Units (The transfer GE Area limits must <u>not</u> be exceeded)</b>			<b>10</b>
		<b>*General Education (Cal-GETC) Units</b>			<b>34</b>
		<b>Elective Units</b>			<b>1 - 3</b>
		<b>Total Degree Units (maximum)</b>			<b>60</b>

### NOTES:

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.*