

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.**

Associate in Science in Computer Science 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
REQUIRED CORE: (28 units)					
Programming Concepts and Methodology I (CS1) (3)	COMP 122	CS M125	Programming Concepts and Methodology I	3	
Programming Concepts and Methodology II (CS2) (3)	COMP 132	CS M135	Programming Concepts and Methodology II	3	
Computer Architecture and Organization (3)	COMP 142	CS M145	Computer Architecture and Organization	3	
Discrete Structures (3)	COMP 152	CS M155	Discrete Structures	3	2
		OR MATH M21	OR Discrete Mathematics	3	2
Single Variable Calculus I – Early Transcendentals (4) AND Single Variable Calculus II – Early Transcendentals (4) OR Single Variable Calculus I – Late Transcendentals (4) AND Single Variable Calculus II – Late Transcendentals (4) OR Single Variable Calculus Sequence (8)	MATH 210	MATH M25A	Calculus with Analytic Geometry I	5	2
	AND MATH 220	OR MATH M25AH	OR Honors: Calculus with Analytic Geometry I	5	2
	OR MATH 211	AND MATH M25B	AND Calculus with Analytic Geometry II	5	2
	AND MATH 221	OR MATH M25BH	OR Honors: Calculus with Analytic Geometry II	5	2
	OR MATH 900S				
Calculus-Based Physics for Scientists and Engineers: A	PHYS 205	PHYS M20A	Mechanics of Solids and Fluids	4	5A
		AND PHYS M20AL	AND Mechanics of Solids and Fluids Lab	1	5C

Calculus-Based Physics for Scientists and Engineers: B (4) OR Cell and Molecular Biology (4) OR Organismal Biology (4) OR General Chemistry for Science Majors I, with Lab (5)	PHYS 210 OR BIOL 190 OR BIOL 140 OR CHEM 110	BIOL M02A OR BIOL M02AH OR BIOL M02B OR BIOL M02BH OR CHEM M01A OR CHEM M01AH	General Biology I OR Honors: General Biology I OR General Biology II OR Honors: General Biology II OR General Chemistry I OR Honors: General Chemistry I	5 5 5 5 5 5 5	5B, 5C 5B, 5C 5B, 5C 5B, 5C 5B, 5C 5B, 5C
Total Units for the Major:	28-29*	Total Units for the Major:		32	
		Total Units that may be double-counted <i>(The transfer GE Area limits must <u>not</u> be exceeded)</i>			10
		General Education (Cal-GETC) Units			34
		Elective Units			4
		Total Degree Units (maximum)			60

Notes and History

Summary of Feedback Including Issues and Concerns - Items of concern from the vetting process, along with the results of a direct survey of the CSUs involved (with a high response rate), were addressed: Requirement of Physics and Calculus. After reviewing the feedback, and in light of separate ABET accreditation requirements for Computer Science programs, the FDRG determined that students would continue to need both Calculus courses to be successful. To allow many more community colleges to implement this TMC, however, two alternatives to PHYS 210 were implemented which students could double-count for GE, specifically to meet Area B2.