

Transfer Model Curriculum (TMC) Template for Computer Science**CCC Major or Area of Emphasis:** Computer Science**TOP Code:** 070600**CSU Major(s):** Computer Science**Total Units:** 28 (all units are minimum semester units)

Template # 2007

Rev. 3: 10/14/16

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.**

Associate in Science in Computer Science for Transfer Degree						
College Name: Moorpark						
TRANSFER MODEL CURRICULUM (TMC)		COLLEGE PROGRAM REQUIREMENTS				
Course Title (units)	C-ID Descriptor	Course ID	Course Title	Units	GE Area	
					CSU	IGETC
REQUIRED CORE: (28 units)						
Programming Concepts and Methodology I (CS1) (3)	COMP 122	CS M10A	Intro to Computer Programming Using Structured C++	4		
		OR CS M125	Programming Concepts and Methodology Using C++	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		2A
Single Variable Calculus I – Early Transcendentals (4)	MATH 210	MATH M25A and MATH M25B OR MATH M25AH and MATH M25B	Calculus with Analytic Geometry I	5		2A
AND Single Variable Calculus II – Early Transcendentals (4)	MATH 220		Calculus with Anlytic Geometry II	5		2A
OR Single Variable Calculus I – Late Transcendentals (4)	MATH 211		Honors: Calculus with Analytic Geometry I	5		2A
AND Single Variable Calculus II – Late Transcendentals (4)	MATH 221		Calculus with Anlytic Geometry II	5		2A
OR Single Variable Calculus Sequence (8)	MATH 900S					
Calculus-Based Physics for Scientists and Engineers: A (4)	PHYS 205	PHYS M20A	Mechanics of Solids and Fluids	4		5A
		and PHYS M20AL	Mechanics of Solids and Fluids Lab	1		5C
Calculus-Based Physics for Scientists and Engineers: B (4)	PHYS 210 OR	BIOL M02A OR	General Biology I OR	5		5B; 5C
OR						

Cell and Molecular Biology (4) OR General Chemistry for Science Majors I, with Lab (5)	BIOL 190 OR BIOL 140 OR CHEM 110	BIOL M02AH	Honors: General Biology I	5		5B; 5C
Total Units for the Major:	28	Total Units for the Major:		32-33		
		Total Units that may be double-counted (<i>The transfer GE Area limits must <u>not</u> be exceeded</i>)				10
		General Education (CSU-GE or IGETC) Units			39	37
		Elective (CSU Transferable) Units				0
		Total Degree Units (maximum)			60	