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)*

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:						
TRANSFER MODEL CURRICULUM (TMC)		**COLLEGE PROGRAM REQUIREMENTS**				
Course Title (units)	**C-ID Descriptor**	**Course ID**	**Course Title**	**Units**	**GE Area: CSU**	**GE Area: IGETC**
REQUIRED CORE: (28 units)						
Programming Concepts and Methodology I (CS1) (3)	COMP 122					
Programming Concepts and Methodology II (CS2) (3)	COMP 132					
Computer Architecture and Organization (3)	COMP 142					
Discrete Structures (3)	COMP 152					
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 **AND** MATH 220 **OR** MATH 211 **AND** MATH 221 **OR** MATH 900S					
Calculus-Based Physics for Scientists and Engineers: A (4)	PHYS 205					

Calculus-Based Physics for Scientists and Engineers: B (4) **OR** Cell and Molecular Biology (4) **OR** General Chemistry for Science Majors I, with Lab (5)	PHYS 210 OR BIOL 190 OR BIOL 140 OR CHEM 110					
Total Units for the Major:	**28**		**Total Units for the Major:**			
			Total Units that may be double-counted (***The transfer GE Area limits must not be exceeded)***			
			General Education (CSU-GE or IGETC) Units		**39**	**37**
			Elective (CSU Transferable) Units			
			Total Degree Units (maximum)		**60**	