



Transfer Model Curriculum Template for Computer Science

Approval Dates: December 4, 2012; October 14, 2016
November 8, 2023 (Cal-GETC Compliance)

CCC Associate Degree for Transfer Major or Area of Emphasis: Computer Science

CSU Majors deemed similar: Computer Science

Degree Type: AS-T

Total Minimum Semester Units for Major or Area of Emphasis: 28

Courses

Required Core (28 units minimum):

Title	C-ID Designation or other Justification	C-ID Units (or sample units)	Proposed Cal-GETC Area for double counting
Programming Concepts & Methodology I	COMP 122	3	
Programming Concepts & Methodology II	COMP 132	3	
Computer Architecture & Organization	COMP 142	3	
Discrete Structures	COMP 152	3	2
Single Variable Calculus I – Early Transcendentals and	MATH 210	4	2
Single Variable Calculus II - Early Transcendentals	MATH 220	4	2
OR Single Variable Calculus I – Late Transcendentals and	MATH 211	4	2
Single Variable Calculus II - Late Transcendentals	MATH 221	4	2
OR Single Variable Calculus Sequence	MATH 900S	8	2
Calculus-Based Physics for Scientists and Engineers: A	PHYS 205	4	5A/C
Calculus-Based Physics for Scientists and Engineers: B	PHYS 210	4	5A/C
OR Cell and Molecular Biology	BIOL 190	4	5B/C
OR Organismal Biology	BIOL 140	4	5B/C
OR General Chemistry for Science Majors I, with Lab	CHEM 110	5	5A/C

TOTAL MAJOR UNITS 28-29*

Cal-GETC Requirements 34

Double Counting GE -10

Elective -

Total Units 60

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

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.