

Transfer Model Curriculum

CCC Major: *Computer Science*

CSU Major or Majors: *Computer Science*

Total units: 28

(all units indicated are minimum semester units)

Degree Type (*indicate one*): AA-T_____ OR AS-T__X__

“Core” Courses –

Minimum Units 28 units (7 units double count as GE credit)

Title (typical units)	C-ID Designation	Rationale
Programming Concepts & Methodologies I (CS1) Min. units 3	COMP 122	ACM/IEEE recommendation for a four semester introductory sequence
Programming Concepts & Methodologies II (CS2) Min. units 3	COMP 132	
Computer Architecture. & Organization. Min. units 3	COMP 142	
Discrete Structures Min. units 3	COMP 152	
Single Variable Calculus I and II Min. units 8	MATH 210 and 220 or 211 and 221 or MATH 900S	Double count for GE B4
Calculus-Based Physics for Scientists and Engineers I Min. Units 4	PHYS 205	Double count for GE B1 and B3
Calculus-Based Physics for Scientists and Engineers II Min. Units 4	PHYS 210	

Summary of Feedback Including Issues and Concerns - Items of concern from the vetting process that were addressed included: Requirement of Physics and Calculus. The results were that after reviewing the curricular needs students will definitely need the Physics and Calculus to be successful. There was some concern whether this TMC followed the industry standards and after discussion it was agreed that it in fact mirrored ACM standard.

The requirement for discrete structures was a concern for the community colleges since many of them do not offer this course, but the CSUs said that they needed to have this to fulfill their courses and the community colleges stated that they might need to either write new courses or refer students to other community colleges for fulfillment of this requirement.