Sample Academic Plan: Computer Sci – Computer Science for Transfer AS-T Degree

Catalog: 22-23
GE Pattern: IGETC (CSU)
Full Time, Total Units: 71

NOTE: This program roadmap represents one possible pathway to complete the program. Please see a counselor to create an academic plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability. For counseling appointments call (916) 660-7400.

First Year
Semester 1 (14 units)

Course Number	Course Title	Units	Area
CSCI 0010	Introduction to Computing	3 units	Prerequisite
ENGL 0001A	College Reading, Writing and Research	4 units	IGETC Area 1A
MATH 0012	College Algebra	4 units	Prereq/IGETC Area 2
	General Education	3 units	IGETC 5B

Semester 2 (13 units)

Course Number	Course Title	Units	Area
CSCI 0012	Programming Concepts and Methodology I	3 units	Major
MATH 0027	Trigonometry	4 units	Prerequisite
	General Education	3 units	IGETC Area 1B
	General Education	3 units	IGETC Area 4

Second Year
Semester 3 (13 units)

Course Number	Course Title	Units	Area
CSCI 0013	Programming Concepts and Methodology II	3 units	Major
MATH 0030	Analytical Geometry and Calculus I	4 units	Major
	General Education	3 units	IGETC Area 3B
	General Education	3 units	IGETC Area 4

Semester 4 (15 units)

Course Number	Course Title	Units	Area
CSCI 0026	Discrete Structures for Computer Science	3 units	Major
MATH 0031	Analytical Geometry and Calculus II	4 units	Major
PHYS 0205 & 0205L	Principles of Physics: Mechanics/Lab	5 units	Major/IGETC Area 5A/C
	General Education	3 units	IGETC Area 3A

Third Year
Semester 5 (16 units)

Course Number	Course Title	Units	Area
CSCI 0039	Computer Architecture and Assembly Language	3 units	Major
PHYS 0210 & 0210L	Princ of Physics: Electricity and Magnetism/Lab	4 Units	Major

General Education	3 units	IGETC Area 1C
General Education	3 units	IGETC Area 4
General Education	3 units	IGETC Area 3A/B