BS Computer Science

These offerings are in effect as of Fall 2012

I. Core Requirements

Math Requirements

MAT 211 Calculs I	MAT 313 Statistics I
MAT 225 Discrete Math	MAT 318 Elementary Linear Algebra

Computer Science Requirements

CSC 107 Computer Science I Lab	CSC 310 Design & Analysis of Algorithms
CSC 110 Computer Science I	CMPE 320 Operating Systems
CSC 111 Computer Science II	CSC 371 Database Management
SWE 210 Design Patterns	CSC 498 Senior Research Methods
CMPE 220 Computer Organization	CSC 499 Research and Development Project

II. BS CS no Concentration - Upper Division Requirements

CSC 350 Intro. To Computer Graphics	CSC 440 Compiler Design
CSC 401 Simulation Techniques	CSC 462 Artificial Intelligence
CSC 431 Computer Networks	

III. BS CS with Concentration - Upper Division Requirements

Embedded Programming	Computer Graphics Concentration
CMPE 322 Embedded Programming	CSC 350 Intro. To Computer Graphics
CSC 401 Simulation Techniques	CSC 450 Advanced Computer Graphics
CMPE 410 Real-Time and Mobile Computing	CSC 451 Computer Graphics Algorithms
CMPE 420 Digital and Reconfigurable Computing	Math/CSC/SWE Elective (3 credit)
One of:	
CSC 431 Computer Networks	Art 217 Computer Design I
CSC 440 Compiler Design	Any Two From:
CSC 463 Introduction to Robotics	Art 306 Computer Design II
	Art 319 Computer Design III

Related Discipline Concentration	Art 425 Computer Design IV
CSC/SWE Electives (12 credit2)	
Major/Minor in other discipline	
* No electives can overlap with your other major/minor	