

Computer Science Representative Curriculum

V 2.0 (13 October 2008)

Term	Course 1	Course 2	Course 3	Course 4	Course 5
Fr I	Computing & Algorithms I (CS-101)	Science Elective	Calculus I (MATH-101)	Written & Oral Comm. I (COMM-101)	
Fr II	Computing & Algorithms II (CS-102)	Discrete Mathematics (CS-211)	Calculus II (MATH-102)	Intro. to the Humanities (HUMN-201)	
So I	Computing & Algorithms III (CS-203)	Science Elective	Multivariate Calculus (MATH-203)	Intro. to the Social Sciences (SSCI-201)	
So II	Systems Prog. Concepts (CS-202)	Science Elective	Digital Systems I (CE-210)	Economic Principles (ECON-201)	
Jr I	The Computing Professional (CS-300)	CS Elective	Micro-computers I (CE-320)	Written & Oral Comm. II (COMM-301)	
Jr II	Functional Langs./Parsing (CS-435)	CS Elective	Probability & Statistics (MATH-408)	Advanced Humanities Elective	Free Elective
Sr I	Theory of Computation (CS-312)	CS Elective	Free Elective	Advanced Soc. Sciences Elective	Free Elective
Sr II	Software Engineering (CS-471)	CS Elective	Math Elective	Senior Seminar (LS-489)	Free Elective
Sr III	Operating Systems (CS-451)	Science Elective	Liberal Studies Elective	Liberal Studies Elective	

Computer Science Technical Electives

Computer Gaming	Computer Graphics (CS-320)	Virtual Reality (CS-420)	Intro. to Game Design (CS-385)	Artificial Intelligence (CS-481)	Advanced Game Prog. (CS-485)
System & Data Security	Cryptography (CS-415)	Sys./Net. Security (CS-455)	Comp./Net. Forensics (CS-458)	Secure Software (CS-459)	
Other Electives	Prog. Lang. Design (CS-331)	Web Software Tools (CS-341)	Parallel Models/Algs. (CS-425)	Database Systems (CS-461)	Info. Retr./Data Mining (CS-465)
Digital Systems II (CE-310)	Micro-computers II (CE-420)	Computer Architecture (CE-422)	Real-Time Embedded (CE-426)	Computer Networks (CE-480)	VLSI Design (EE-428)