University *of* New Haven

SAMPLE FOUR YEAR PLAN BS COMPUTER SCIENCE

Study Abroad Option

The curriculum in our degree programs is structured so that students move through classes in a prescribed order. Prerequisites are important and are strongly enforced. This is the plan for completing this degree in eight semesters, including one semester abroad. Students work closely with their academic advisor to have their courses pre-approved before their semester abroad. Meet with your advisor as soon as you can to discuss a plan of action that works best for you.

FIRST YEAR

Fall		Credits	Spring	STUDY ABROAD	Credits
CC 1.1	ENGL 1112 OR 1113 Seminar in Academic Inquiry	3	CC 3.2	MATH 1118 Calculus II	4
CC 3.2	MATH 1117 Calculus I	4	MR	CSCI 1166 Discr Math Computing	3
CC 5.2/ MR	CSCI 1110 Intro to Programming/ C	3	CC 2.1	COMM 1130	3
CC 5.1	UNIV 1141 Life on Earth	3	CC 8.1	Global & Intercultural Awareness	3
	CSCI 1109 Introduction to Computing	3	CC 9.1	Perspectives on Creative Arts	3
	EASC 1102 Technical Writing in Computing	1			
	Total Credits this semester	17		Total Credits this semester	16

SECOND YEAR

Fall		Credits	Spring		Credits
MR	ELEC 1155 Digital Systems I	3	MR	CSCI 2226 Data Structures	3
MR	CSCI 2212 Intermediate Prog. C/C++	3	MR	CSCI 3320 Operating Systems	3
MR	CSCI 2215 Introduction to Databases	3	MR	ELEC 3330 Computer Organization	3
MR	CSCI 2246 Intro to Computer Security	3	MR	CSCI 3331 Computer Organization Lab	1
MR	CSCI 2210 Java Programming	3		CSCI Elective > 2000 (CS 3338 Intro Forens.)	3
				Mathematics Elective (MATH 2203 or new course)	4
	Total Credits this semester	15		Total Credits this semester	17

THIRD YEAR

Fall		Credits	Spring		Credits
CC 7.1/ MR	CSCI 3316 Soc & Professional Issues	3	MR	CSCI Sr. Elective (CS 4526 C++/OOPP)	3
MR	CSCI 3326 Algorithms	3	CC 6.1	Historical Perspectives	3
MR	CSCI 3347 Network Essentials Tech	3		Lab Science 2 (Phys, Chem, Biol)	4
CC 4.1	Scientific Exploration (Restricted)**	4	CC	Tier 2 Core Elective	3
	Restricted Elective (CS 4438 SSDF)	3		Restricted Elective	3
	Total Credits this semester	16		Total Credits this semester	16

FOURTH YEAR

Fall		Credits	Spring		Credits
	CSCI 3398 Internship	1	MR	CSCI 4498 Capstone Software Project II	3
MR	CSCI 4497 Capstone Software Project I	3	MR	CSCI 4536 Structure of Prog Languages	3
MR	CSCI 4547 Systems Programming	3	CC 3.1	Elective, see definition below.*	3
MR	CSCI Sr. Elective	3		Restricted Elective >3000	3
	Restricted Elective >3000	3		Elective	3
	CSCI 4419 Parallel and Distributed Computing	3			
	Total Credits this semester	16		Total Credits this semester	15

Minimum Total Credits: 128

*CC 3.1: Any Tier-2 Core course or any Tier-1 course from CC 1,2,5,6,7,8,9, or any science course listed above for CC 4.1.
**CC 4.1 PHYS 1150 and lab or CHEM 1115/1117 or BIOL 2253/2255 OR ENVS 1101/1102
***Restricted Elective: Math, Science, Engineering, Computer Science, or Finance (Finc, Econ, Acct)

Code	
CC	Required University Core Competency - see advisor for selection
MR	Major Requirement - Minimum 2.00 QPR