

SAMPLE FOUR YEAR SCHEDULE (ENTERING IN 2008)
UNDERGRADUATE COMPUTER SCIENCE PROGRAM

Freshman Year

Fall Semester

CS 101 Topics in Computer Science	1 credit
CS 140 Programming with Objects*	4 credits
MATH 221 Calculus I	4 credits
Communications Elective**	4 credits
Social Science/Humanities Elective**	<u>4 credits</u>
TOTAL	17 credits

Spring Semester

CS 210 Computer Systems I: Machine Organization	4 credits
MATH 222 Calculus II	4 credits
Social Sciences/Humanities Elective**	4 credits
Communications Elective**	<u>4 credits</u>
TOTAL	16 credits

Sophomore Year

Fall Semester

CS 220 Computer Systems II: Arch and Programming	4 credits
Social Sciences/Humanities Elective**	4 credits
MATH 304 or 371 or 381	4 credits
Science Sequence I	<u>4 credits</u>
TOTAL	16 credits

Spring Semester

CS 240 Programming Data Structures	4 credits
Social Sciences/Humanities Elective**	4 credits
MATH 314 Discrete Mathematics	4 credits
Science Sequence II	<u>4 credits</u>
TOTAL	16 credits

Junior Year

Fall Semester

CS 333 Algorithms	4 credits
MATH 327 Probability with Stat Methods	4 credits
Science Elective	4 credits
CS 325 Advanced Computer Organization	3 credits
Free Elective** (Physical Activity/Wellness)	<u>1 credit</u>
TOTAL	16 credits

Spring Semester

CS 350 Operating Systems	4 credits
Computer Science Elective	4 credits
Social Sciences/Humanities Elective**	4 credits
CS 373 Automata Theory & Formal Language	3 credits
Free Elective** (Physical Activity/Wellness)	<u>1 credit</u>
TOTAL	16 credits

Senior Year

Fall Semester

CS 471 Programming Languages	4 credits
Computer Science Elective	4 credits
Free Elective	4 credits
Free Elective	<u>4 credits</u>
TOTAL	16 credits

Spring Semester

Computer Science Elective	4 credits
Computer Science Elective	4 credits
Free Elective	4 credits
CS 495 Professional Ethics and Communication	<u>2 credits</u>
TOTAL	14 credits

* Students without prior programming experience should take CS 110 in Fall and CS 140 with CS 210 in the Spring (CS 110 counts as a free elective)

** These courses should be selected to fulfill the General Education Composition (C), Global Interdependencies (G), Pluralism (P), Aesthetics (A), Humanities (H), Social Science (N) and Physical Activity/Wellness (Y, S or B) requirements. Students who have not earned an 85 or higher in a NYS foreign language Regents exam must complete one semester of a foreign language.

(02/08)