

**SAMPLE SCHEDULE* OF OUR FLEXIBLE FOUR YEAR PROGRAM (ENTERING IN 2010)
UNDERGRADUATE COMPUTER SCIENCE PROGRAM**

Freshman Year

Fall Semester
CS 101 Topics in Computer Science
CS 140 Programming with Objects**
MATH 221 Calculus I
WRIT 111 Coming to Voice
Social Science/Humanities Elective***

TOTAL

1 credit
4 credits
4 credits
4 credits
4 credits
17 credits

Junior Year

Fall Semester
CS 333 Design and Analysis of Algorithms
MATH 327 Probability with Stat Methods
CS 320 Computer Systems III: Adv. Comp. Arch.
Social Sciences/Humanities Elective***

TOTAL

4 credits
4 credits
4 credits
4 credits
4 credits
16 credits

Spring Semester
CS 120 Computer Systems I: Machine Organization**
MATH 222 Calculus II
Social Sciences/Humanities Elective***
Science *****

TOTAL

4 credits
4 credits
4 credits
4 credits
16 credits

Spring Semester
CS 350 Operating Systems
CS 373 Automata Theory & Formal Language
Social Sciences/Humanities Elective***
Free Elective

TOTAL

4 credits
4 credits
4 credits
4 credits
4 credits
16 credits

Sophomore Year

Fall Semester
CS 220 Computer Systems II: Arch and Programming
Social Sciences/Humanities Elective***
MATH 304 or 371 or 381
Science *****

TOTAL

4 credits
4 credits
4 credits
4 credits
16 credits

Fall Semester
CS 471 Programming Languages
Computer Science Elective
Computer Science Elective
Free Elective

TOTAL

4 credits
4 credits
4 credits
4 credits
4 credits
16 credits

Spring Semester
CS 240 Data Structures and Algorithms
CS 301 Ethical, Social and Global Issues in Computing
MATH 314 Discrete Mathematics
Science *****

TOTAL

4 credits
4 credits
4 credits
4 credits
16 credits

Spring Semester
Computer Science Elective
Computer Science Elective
Free Elective
Free Elective*** (Physical Activity/Wellness)

TOTAL

4 credits
4 credits
4 credits
2 credits
4 credits
14 credits

* Your schedule over four years may vary considerably from this sample but you must observe course prerequisites. The flowchart for required courses in CS shows which courses must precede others. Students are encouraged to vary this schedule depending on their interests and the CS advisor will be happy to discuss alternatives.
** Students with AP credit for Gened courses and a strong CS background may take CS 120 and CS 140 in the first semester. Students without prior programming experience should take CS 110 in Fall and either CS 120 or CS 140 in the Spring. Please consult a CS advisor before attempting CS 120 and CS 140 together.
*** 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. At most 2 credits of Physical Activity/Wellness can be counted as free elective credit.
***** Must have a science sequence and one other L course, see Bulletin for details.
(06/10)

**SAMPLE SCHEDULE* OF OUR FLEXIBLE FOUR YEAR PROGRAM (ENTERING IN 2010)
UNDERGRADUATE COMPUTER SCIENCE PROGRAM (with CS 110)**

Freshman Year

Fall Semester
CS 101 Topics in Computer Science
CS 110 Programming with Objects**
MATH 221 Calculus I
WRIT 111 Coming to Voice
Social Science/Humanities Elective***

TOTAL

1 credit
4 credits
4 credits
4 credits
4 credits
17 credits

Junior Year

Fall Semester
CS 220 Computer Systems II: Arch and Programming
CS 333 Design and Analysis of Algorithms
MATH 327 Probability with Stat Methods
Social Science/Humanities Elective***

TOTAL

4 credits
4 credits
4 credits
4 credits
4 credits
16 credits

Spring Semester
CS 120 Computer Systems I: Machine Organization**
MATH 222 Calculus II
Social Sciences/Humanities Elective***
Science *****

TOTAL

4 credits
4 credits
4 credits
4 credits
16 credits

Spring Semester
CS 320 Computer Systems III: Adv. Comp. Arch.
CS 350 Operating Systems
CS 373 Automata Theory & Formal Language
Social Sciences/Humanities Elective***

TOTAL

4 credits
4 credits
4 credits
4 credits
4 credits
14 credits

Sophomore Year

Fall Semester
CS 140 Programming with Objects**
Social Sciences/Humanities Elective***
MATH 304 or 371 or 381
Science *****

TOTAL

4 credits
4 credits
4 credits
4 credits
16 credits

Fall Semester
CS 471 Programming Languages
Computer Science Elective
Computer Science Elective
Free Elective

TOTAL

4 credits
4 credits
4 credits
4 credits
4 credits
16 credits

Spring Semester
CS 240 Data Structures and Algorithms
CS 301 Ethical, Social and Global Issues in Computing
MATH 314 Discrete Mathematics
Science *****

TOTAL

4 credits
4 credits
4 credits
4 credits
16 credits

Spring Semester
Computer Science Elective
Computer Science Elective
Free Elective
Free Elective*** (Physical Activity/Wellness)

TOTAL

4 credits
4 credits
4 credits
2 credits
4 credits
14 credits

* Your schedule over four years may vary considerably from this sample but you must observe course prerequisites. The flowchart for required courses in CS shows which courses must precede others. Students are encouraged to vary this schedule depending on their interests and the CS advisor will be happy to discuss alternatives.
** Students without prior programming experience should take CS 110 in Fall and either CS 120 or CS 140 in the Spring—visit the CS advisor before attempting CS 120 and CS 140 together. (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. At most 2 credits of Physical Activity/Wellness can be counted as free elective credit.
***** Must have a science sequence and one other L course, see Bulletin for details.
(06/10)

Limited Programming Experience

Programming Experience