

# Computer Science Curriculum Map

Students should use this curriculum map as a guide to have a more informed discussion with the departmental academic advisor when selecting courses. Students not taking courses as advised may result in a delayed graduation date.

Freshman		Sophomore		Junior		Senior	
14-15 hrs MATH 221 (4)	15-16 hrs MATH 231 (3)	16 hrs MATH 241 (4)	17 hrs MATH 257 (3) <sup>4</sup>	16 hrs CS 241 (4)	16 hrs CS 374 (4)	17 hrs CS 421 (3)	16 hrs CS Tech Elect (9) <sup>5</sup>
CS 100 (1)	CS 173 (3)	PHYS 211 (4)	CS 233 (4)	CS 357 (3)	CS Tech Elect (6) <sup>5</sup>	CS Tech Elect (6) <sup>5</sup>	Free Elect (7)
CS 124 (3)	CS 128 (3)	CS 225 (4)	CS 361 (3)	CS Tech Elect (3) <sup>5</sup>	Gen Ed Elect (3) <sup>3</sup>	Gen Ed Elect (3) <sup>3</sup>	
ENG 100 (0)	Gen Ed Elect (3) <sup>3</sup>	CS 222 (1)	PHYS 212 (4)	CS 210 (2) <sup>6</sup>	Gen Ed Elect (3) <sup>3</sup>	Free Elect (5)	
RHET 105 (4) <sup>1</sup>	Gen Ed Elect (3) <sup>3</sup>	Gen Ed Elect (3) <sup>3</sup>	Free Elect (3)	Free Elect (3 or 4)			
Science Elective(3) <sup>2</sup>							

<sup>1</sup>RHET 105 (or an alternative Composition I sequence) is taken either in the first or second semester of the first year, according to the student's UIN (Spring if your UIN is Odd). General Education Elective is taken the other semester. Composition I guidelines can be found at <http://catalog.illinois.edu/general-information/degree-general-education-requirements/> under Written Communication Requirement.

<sup>2</sup> Students must take one course from the Natural Science & Technology (NST) list, in addition to those take as part of the General Education requirements. The course must be one that is allowed for credit by the Grainger College of Engineering.

<sup>3</sup>Students must take 6 hours from the campus General Education Social and Behavioral Sciences list, 6 hours from campus General Education Humanities and the Arts list, and 6 hours from a liberal education list approved by the college or from the campus General Education lists for Social and Behavioral Sciences or Humanities and the Arts. Students must also complete the campus cultural studies requirement by completing (i) one western/comparative culture(s) course, (ii) one non-western culture(s) course, and (iii) one U.S. Minority Culture(s) course from the General Education cultural studies lists. Most students select general education courses that simultaneously satisfy these cultural studies requirements.

<sup>4</sup>MATH 415 or MATH 416 may be substituted.

<sup>5</sup> Technical elective credits totaling 24 hours, selected from dept approved list, to include at least three courses from a single focus area and at least one team project course.

<sup>6</sup>CS 211 may be substituted. The extra 1 credit hour difference between CS 210 and CS 211 will apply to free electives.