

A Sample CS Program for Freshmen

Computer science majors should complete the following CS courses in their first two years: 110, 139, 227, 228, 239, 240, 345, and 350. In addition, students should satisfy their mathematics requirement (with courses in calculus and statistics), and their technical writing requirement (with WRTC 210). Students should also complete the JMU general education cluster one package as soon as possible, preferably as freshmen. Students can fill out their schedules with other general education courses. The following tables illustrate a common way to accomplish this.

	Fall	Spring
Freshman	CS 139, CS 110 GenEd or WRIT 100 Two GenEd Cluster 1 course	CS 239, CS/MATH 227 Calculus (MATH 205, MATH 231, or MATH 235) One GenEd Cluster 1 course
Sophomore	CS 240, CS/MATH 228 WRTC 210 Optional calculus (MATH 232, or MATH 236) One or two GenEd courses	CS 345, CS 350 Statistics (MATH 220 or MATH 318) Two GenEd courses

Table 1: Satisfying Mathematics Requirements Using MATH Courses

Junior and senior computer science majors take a combination of upper-level computer science courses, general education courses, “free” electives (courses that do not fulfill any requirements), and courses to fulfill optional minor or certification requirements. The table below illustrates one way to schedule the junior and senior years’ coursework.

	Fall	Spring
Junior	CS 430, CS 450 Minor, GenEd, or free elective courses	CS 474, CS 460 Minor, GenEd, or free elective courses
Senior	CS electives Minor, GenEd, or free elective courses	CS electives Minor, GenEd, or free elective courses

Table 2: A Schedule for the Junior and Senior Years