COMPUTER SCIENCE MAJOR
Sample curriculum based on requirements effective for students entering Fall 2025
Department of Mathematics and Computer Science

Quarter	First Year	Sophomore	Junior	Senior
Fall	CSCI 10 & L MATH 11	CSCI 62 MATH 14 MATH 51	CSCI 161 CSEN 20 & L	CSCI Emphasis III
Winter	CSCI 60 & L MATH 12	MATH 122 CSCI Emphasis I*	CSCI Emphasis II CSEN 177 & L	CSCI Emphasis IV
Spring	CSCI 61 MATH 13	CSCI 163 MATH 53	CSEN/ELEN 21 & L	CSCI Emphasis V

Additional notes:

A single upper-division course in the Department of Mathematics and Computer Science can only be used to satisfy one major or one minor requirement in the department.

*A CSCI emphasis course with a significant programming component is recommended in winter or spring of sophomore year because the sample curriculum recommends no other course with substantial programming in either of those quarters.

CSCI 161 and 163 build on Math 51, so it's best not to leave too much time between 51 and at least one of those. CSCI 161 and CSCI 163 can be taken in either order.

Students should try to take Math 122 shortly after Math 14.

You can take CSEN 21 and CSEN 20 in either order. CSEN 20 is a prereq for CSEN 177 and CSCI 180, and CSEN 21 isn't a prereq for anything we require.

Although only 5 approved upper division courses are required for the emphasis, it is recommended that students take additional upper division CSCI electives.

There are 17 core courses (if your ELSJ double-dips with another core requirement). Students need at least 175 units total, 60 of which need to be upper division; courses for the major and core add up to 163 units, 55 of which are necessarily upper division.