

## CSI SCE Senior Capstone Experience

The Senior Capstone Experience in computer science consists of a substantial programming project or deep study of a research topic.

Each major will research and write a senior thesis with the supervision of a faculty member and will make an oral presentation on the thesis that includes a demonstration of the developed software, if any, at a departmental seminar. Each major should have a thesis topic selected and approved by the end of his/her junior year. For students with double majors in mathematics and computer science, this thesis may also satisfy the thesis requirement of the Senior Capstone Experience for a major in mathematics.

For students with double majors in mathematics and computer science, the senior programming project may be awarded credit for some of the problems to be done as part of the Senior Capstone Experience for a major in mathematics. The Chair will decide the number. Students may also earn credit for problems solved while participating in teams in the annual ACM Programming Contest or the COMAP Mathematical Contest in Modeling. A maximum of three problems from these alternative sources may be credited toward the six required capstone problems in mathematics.

Weekly seminars of the majors and faculty in the department are scheduled to provide information about careers, graduate school, thesis ideas, and research areas, as well as to enable each major to make the required presentation on the thesis or programming project.

The Senior Capstone Experience in computer science is graded as Pass, Fail, or Honors.