

Careers for CS Concentrators

CONCENTRATION IN COMPUTER SCIENCE

The Concentration in Computer Science emphasizes issues in computing. Graduates are prepared to enter technical computer software development positions as well as positions in information technology management.

The objectives of the Concentration in Computer Science for CSOM students are to:

- Develop an advanced understanding of current technologies.
- Develop a deep understanding of how to most effectively apply current and developing technologies.
- Consider the implications of developing, purchasing, or outsourcing information systems components.
- Appreciate the ethical and broader issues arising from the use of current and developing technologies.

Careers available to CS concentrators dominate the U.S. Bureau of Labor Statistics list of fastest growing occupations. IS and CS professionals pursue a broad array of careers, from the highly technical to those which bridge the gap between the people who program information systems and the people who use them.

Computer Science concentrators have careers in business, consulting, and government. Excellent job prospects are expected as organizations continue to adopt increasingly sophisticated technologies. Technology careers often give professionals a broad and deep exposure to the firm and its customers, providing exceptional training for future executive leadership. At higher levels within a firm, the job titles include Director of MIS, Vice President of Information Technology, Chief Information Officer, Chief Knowledge Officer, and Chief Technology Officer.

Computer Science Core Faculty

Sergio Alvarez

Associate Professor; B.S., Universidad Javeriana; M.S., Universidad de Los Andes; Ph.D., University of Maryland.

William Ames

Senior Lecturer; M.S., University of Michigan.

Hao Jiang

Assistant Professor; Ph.D., Simon Fraser University.

Katherine Lowrie

Adjunct Associate Professor; B.S., M.S., Ph.D., Purdue University.

Robert Muller

Associate Professor; A.B., M.S., Indiana University; Ph.D., Boston University.

Edward Sciore

Associate Professor; B.S., Yale University; M.S.E., Ph.D., Princeton University.

Robert Signorile

Associate Professor; B.S., Queens College; M.S., New York University; M.S., Ph.D., Polytechnic University.

Howard Straubing

Professor and Chairperson; A.B., University of Michigan; Ph.D., University of California at Berkeley.

Stella X. Yu

Clare Boothe Luce Assistant Professor; B.S., Xi'an Jiaotong University; M.S., Tsinghua University; Ph.D., Carnegie Mellon University.

Computer Systems Courses

The Computer Science concentration consists of five courses beyond CS 021, including three required courses and two elective courses.

The three required courses are:

- CS 101 Computer Science I
- CS 102 Computer Science II

And one of:

- CS 271 Computer Systems
- CS 272 Computer Organization with required CS 273 Computer Organization Lab (this combination counts as one course)

The two elective courses are:

- One elective, CS 200 or higher
- One elective CS 300 or higher

The Computer Science Department offers a diverse array of upper level electives. Students are encouraged to take additional Computer Science courses.

Study Abroad

Computer Science students are encouraged to study abroad for a semester during their junior year. All students wishing to study abroad must first meet with Richard Keeley, Associate Dean. Students should then meet with Howard Straubing, Department Chairperson, for any CS course approvals. All approvals should be obtained prior to going abroad.

For More Information

Please see

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BOSTON COLLEGE

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COMPUTER SCIENCE CONCENTRATION

COMPUTER SCIENCE DEPARTMENT

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