The social aspects to computing continue to grow, primarily with respect to communication and the internet. The computer science and sociology combined major examines this significant impact on society and how people communicate and share culture. You’ll have an opportunity to gain a solid programming foundation as well as the practical and theoretical skills needed to address the complex social and cultural issues in a period of far-reaching social change.

Program Requirements
Complete all courses listed below unless otherwise indicated. Also complete any corequisite labs, recitations, clinicals, or tools courses where specified and complete any additional courses needed beyond specific college and major requirements to satisfy graduation credit requirements.

University-Wide Requirements
All undergraduate students are required to complete the University-Wide Requirements (http://catalog.northeastern.edu/undergraduate/university-academics/university-wide-requirements).

NUpath Requirements
All undergraduate students are required to complete the NUpath Requirements (http://catalog.northeastern.edu/undergraduate/university-academics/nupath).

Computer Science Courses

Computer Science Overview
- CS 1200 Computer Science/Information Science Overview 1
- CS 1210 Computer Science/Information Science Overview 2: Co-op Preparation

Computer Science Fundamental Courses
- CS 1800 Discrete Structures and Seminar for CS 1800
- CS 1801 Recitation for CS 1800
- CS 2500 Fundamentals of Computer Science 1 and Lab for CS 2500
- CS 2510 Fundamentals of Computer Science 2 and Lab for CS 2510
- CS 2511

Computer Science Required Courses
- CS 3200 Database Design
- CS 3500 Object-Oriented Design
- CS 4800 Algorithms and Data
- IS 2000 Principles of Information Science

Computer Science Writing-Intensive Requirement
Complete one of the following:
- CS 4500 Software Development
- IS 3500 Information System Design and Development
- DS 4200 Information Presentation and Visualization (Take DS 4100 either as a prerequisite of or concurrently with DS 4200.)

Presentation Requirement
- THTR 1170 The Eloquent Presenter

Computer Science Elective Courses
Complete three upper-division computer science courses in the following ranges:
- CS 2500 or higher, except CS 5010
- IS 2000 or higher, except IS 4900
- DS 2000 or higher, except DS 4900

Sociology Courses

Sociology Required Courses
- SOCL 1101 Introduction to Sociology
- SOCL 2300 Social Theory
- SOCL 2320 Statistical Analysis in Sociology
- SOCL 2321 Research Methods in Sociology
- ANTH 1101 Peoples and Cultures
- ANTH 2305 Global Markets and Local Culture

Sociology Electives
Complete one sociology elective in each of the following ranges:
- Introductory elective: SOCL 1000 to SOCL 1999
- Intermediate elective: SOCL 2000 to SOCL 3999
- Advanced elective: SOCL 4000 to SOCL 4999

Sociology Required Capstone
- SOCL 4600 Senior Seminar

Integrative Course Requirement
Complete one of the following:
- SOCL 1280 The 21st-Century Workplace
- SOCL 3485 Environment, Technology, and Society
- SOCL 4528 Computers and Society
- ANTH 3418 Wired/Unwired: Cybercultures and Technopolitics

Computer Science Writing Requirement
College Writing
- ENGW 1111 First-Year Writing
- ENGW 1102 First-Year Writing for Multilingual Writers

Advanced Writing in the Disciplines
Complete one of the following:
- ENGW 3302 Advanced Writing in the Technical Professions
- ENGW 3308 Advanced Writing in the Social Sciences
- ENGW 3315 Interdisciplinary Advanced Writing in the Disciplines

Required General Electives
Complete eight general electives.

Major GPA Requirements
Minimum 2.000 GPA required in all CS and IS courses and a minimum 2.000 GPA for all sociology major courses is required.
**Computer Science and Sociology, BS**

**NUpath Requirements Satisfied**
- Engaging with the Natural and Designed World
- Conducting Formal and Quantitative Reasoning
- Analyzing and Using Data
- Writing-Intensive in the Major
- Writing in the First Year
- Advanced Writing in the Disciplines
- Interpreting Culture
- Understanding Societies and Institutions
- Demonstrating Thought and Action in a Capstone

Integrating Knowledge and Skills Through Experience is satisfied through co-op.

**Program Requirement**
133 total semester hours required

**Plan of Study**

**Sample Patterns:**

**Four Years, Two Co-ops in Spring/Summer 1**

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<th>Year 1</th>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
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**Five Years, Three Co-ops in Spring/Summer 1**

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**Total Hours: 134**

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**Elective**

- 4 Sociology advanced elective
- 4 CS elective 3
- 4 CS elective 2
- 4 SOCL 4600

**Computing and social issues**

- 16
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Total Hours: 134