

Computer Science and Communication Studies, BS

The computer science and communication studies combined major integrates practical skills and theory. Students will gain both a strong computer science foundation and a deep understanding of the major conceptual frameworks for human communication—plus how to apply this knowledge to solve problems in today's society.

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.

Universitywide Requirements

All undergraduate students are required to complete the Universitywide 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

Code	Title	Hours
Computer Science Overview		
CS 1200 or COMM 1000	First Year Seminar Communication Studies at Northeastern	1
CS 1210 or EEAM 2000	Professional Development for Khoury Co-op Professional Development for Co-op	1
Computer Science Fundamental Courses		
CS 1800 and CS 1802	Discrete Structures and Seminar for CS 1800	5
CS 2500 and CS 2501	Fundamentals of Computer Science 1 and Lab for CS 2500	5
CS 2510 and CS 2511	Fundamentals of Computer Science 2 and Lab for CS 2510	5
Computer Science Required Courses		
CS 3000	Algorithms and Data	4
CS 3200	Database Design	4
CS 3500 and CS 3501	Object-Oriented Design and Lab for CS 3500	5
CS 4500 or CS 4530	Software Development Fundamentals of Software Engineering	4
CS 4550	Web Development	4
Khoury Elective		
With adviser approval, directed study, research, project study, and appropriate graduate-level courses may also be taken as upper-division electives.		
Complete 12 credits of CS, CY, DS, or IS classes that are not already required. Choose courses within the following ranges:		12
CS 2500 or higher, except CS 5010		
CY 2000 or higher, except CY 4930		
DS 2500 or higher, except DS 4900		
IS 2000 or higher, except IS 4900		

Communication Studies Courses

Code	Title	Hours
Communication Studies Common Requirements		
COMM 1101	Introduction to Communication Studies	4
COMM 1112 or COMM 2301	Public Speaking Communication Research Methods	4
Foundation Course		

Complete one of the following: 4

COMM 1210	Persuasion and Rhetoric
COMM 1225	Communication Theory
COMM 1231	Principles of Organizational Communication
COMM 1255	Communication in a Digital Age

Cluster Course

Complete one of the following: 4

COMM 1131	Sex, Relationships, and Communication
COMM 2303	Global and Intercultural Communication
COMM 2304	Communication and Gender
COMM 2501	Communication Law
COMM 2551	Free Speech in Cyberspace

Writing-Intensive

Complete two of the following: 8

COMM 3200	Mobile Communication
COMM 3201	Health Communication
COMM 3230	Interpersonal Communication
COMM 3304	Communication and Inclusion
COMM 3320	Political Communication
COMM 3414	Great Speakers and Speeches
COMM 3415	Communication Criticism
COMM 3445	Public Relations Principles
COMM 3500	Environmental Issues, Communication, and the Media
COMM 3501	Free Speech: Law and Practice
COMM 3530	Communication and Sexualities
COMM 3532	Theories of Conflict and Negotiation
COMM 4535	Nonverbal Social Interaction
COMM 4605	Youth and Communication Technology
COMM 4631	Crisis Communication and Image Management

Communication Studies Electives

Complete three courses in the following range: ¹ 12

COMM 1131 to COMM 4996

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Junior/Senior Honors Project 1 (COMM 4970) is excluded.

Supporting Courses

Code	Title	Hours
Mathematics		
MATH 1341	Calculus 1 for Science and Engineering	4
Computing and Social Issues		
Complete one of the following: 4		
AFAM 2600	Issues in Race, Science, and Technology	
CY 4170	The Law, Ethics, and Policy of Data and Digital Technologies	
CY 5240	Cyberlaw: Privacy, Ethics, and Digital Rights	
ENGL 2150	Literature and Digital Diversity	
HIST 2220	History of Technology	
INSH 2102	Bostonography: The City through Data, Texts, Maps, and Networks	
IS 1300	Knowledge in a Digital World	
or PHIL 1300	Knowledge in a Digital World	
PHIL 1145	Technology and Human Values	
SOCL 1280	The Twenty-First-Century Workplace	
SOCL 2485	Environment, Technology, and Society	
SOCL 4528	Computers and Society	

Writing Requirements

Code	Title	Hours
College Writing		
ENGW 1111	First-Year Writing	4
Advanced Writing in the Disciplines		
Complete one of the following:		4
ENGW 3302	Advanced Writing in the Technical Professions	
ENGW 3314	Advanced Writing in the Arts, Media, and Design	
ENGW 3315	Interdisciplinary Advanced Writing in the Disciplines	
COMM 3409	Advocacy Writing ²	

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If Advocacy Writing (COMM 3409) is selected it will also satisfy a communication studies elective requirement. One additional general elective will be then required in its place.

Required General Electives

Code	Title	Hours
Complete 32 credits of general electives.		32

NUpath Requirements Satisfied

- Engaging with the Natural and Designed World
- Conducting Formal and Quantitative Reasoning
- Analyzing and Using Data
- Understanding Societies and Institutions
- Employing Ethical Reasoning
- Writing in the First Year
- Advanced Writing in the Disciplines
- Writing-Intensive in the Major
- Demonstrating Thought and Action in a Capstone

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

Communication Studies Grade Requirement

No more than two grades below a C in communication studies courses may be used to fulfill degree requirements.

Khoury College GPA Requirement

Minimum 2.000 GPA required in all CS, CY, DS, IS

Communication Studies GPA Requirement

Minimum 2.000 GPA required in all COMM courses

Program Requirement

133 total semester hours required

Plan of Study

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

Year 1								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
COMM 1101	4	COMM 1112 or 2301	4	CS 3500 and CS 3501	5	Elective	4	4
CS 1200	1	CS 2510 and CS 2511	5	MATH 1341	4	Elective	4	4
CS 1800 and CS 1802	5	CS 3200	4					
CS 2500 and CS 2501	5	Elective	4					
ENGW 1111	4							
		19			17			9
								8

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Year 2								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
CS 1210		1 Co-op		0 Co-op		0 Elective		4
CS 3000		4				Elective		4
Communication studies foundation course		4						
Khoury elective		4						
Elective		4						
		17			0			8
Year 3								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
Communication studies cluster course		4 Co-op		0 Co-op		0 ENGW 3302 or 3315		4
Communication studies writing-intensive course		4				Elective		4
Khoury elective		4						
Elective		4						
		16			0			8
Year 4								
Fall	Hours	Spring	Hours					
Communication studies writing-intensive course		4 CS 4500	4					
Communication studies elective		4 CS 4550	4					
Computing and social issues		4 Communication studies elective	4					
Khoury elective		4 Communication studies elective	4					
		16	16					

Total Hours: 134