

Computer Science and History, BS

The computer science and history combined major offers students the opportunity to gain both historical knowledge and a broad range of related analytical skills in both the humanities and computer science. You'll define a history course cluster according to a thematic principle, with a focus on quantitative analysis in the field, complementing your foundation in programming.

Program Requirements

- Concentrations and course offerings may vary by campus and/or by program modality. Please consult with your advisor or admissions coach for the course availability each term at your campus or within your program modality.
- Certain options within the program may be *required* at certain campuses or for certain program modalities. Please consult with your advisor or admissions coach for requirements at your campus or for your program modality.

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 (<https://catalog.northeastern.edu/undergraduate/university-academics/university-wide-requirements/>).

NUpath Requirements

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

Computer Science Courses

Code	Title	Hours
Computer Science Overview		
CS 1200 or HIST 1000	First Year Seminar History at Northeastern	1
CS 1210 or EESH 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	Introduction to Databases	4
CS 3500 and CS 3501	Object-Oriented Design and Lab for CS 3500	5
IS 2000	Principles of Information Science	4

Khoury Elective Courses

With advisor approval, directed study, research, project study, and appropriate graduate-level courses may also be taken as upper-division electives.

Complete 16 semester hours of upper-division CS, CY, DS, or IS courses that are not already required. Choose courses within the following ranges: 16

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

History Courses

Code	Title	Hours
History Required Courses		
HIST 1200	Historical Research and Writing	1
HIST 1201	First-Year Seminar	4
HIST 2301	The History Seminar	4
HIST 2302	Historical Writing	1
Pre-1800 History Elective		
Complete one of the following:		4
HIST 1100	Law and History	
HIST 1185	Introduction to Middle Eastern History	
HIST 1218	Pirates, Planters, and Patriots: Making the Americas, 1492–1804	
HIST 1252	Japanese Literature and Culture	
HIST 1272	Europe in the Middle Ages, 500–1500	
HIST 1389	History of Espionage 1: Antiquity to World War II	
HIST 2330	Colonial and Revolutionary America	
HIST 2370	Renaissance to Enlightenment	
HIST 2375	The Tudors, the Stuarts, and the Birth of Modern Britain	
HIST 2390	Africa and the World in Early Times	
HIST 3334	Assassinations in World History	
History Outside the United States and Europe		
Complete one of the following:		4
HIST 1150	East Asian Studies	
HIST 1187	Introduction to Latin American History	
HIST 1206	Drug Trade and Drug War: History, Security, Culture	
HIST 1246	World War II in the Pacific	
HIST 1252	Japanese Literature and Culture	
HIST 1253	History of Vietnam Wars	
HIST 1294	History of the Jews in the Modern World	
HIST 1500	Modern Chinese History and Culture	
HIST 2025	Latin American History through Film	
HIST 2311	Colonialism/Imperialism	
HIST 2351	Modern Japan	
History Electives		
Complete two HIST courses at any level in any field:		8
Intermediate/Advanced History Course		
Complete a minimum of one HIST course from the following range (excluding HIST 2301 and HIST 2302):		4
HIST 2000 to HIST 2999		
Advanced History		
Complete a minimum of one HIST course from the following range (excluding HIST 4701):		4
HIST 3000 to HIST 4999		
History Capstone Seminar or Senior Project		
HIST 4701	Capstone Seminar	4
Integrative Course Requirement		
Code	Title	Hours
HIST 2211	The World Since 1945	4
Supporting Courses		
Code	Title	Hours
Research Methods		
Complete one of the following:		4
ECON 2350	Statistics for Economists	
ENVR 3300	Geographic Information Systems	

ENVR 5260	Geographical Information Systems
POLS 2400	Quantitative Techniques
PSYC 2320	Statistics in Psychological Research
Computing and Social Issues	
Complete one of the following: 4	
AFCS 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
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	Technology and Society

Computer Science Writing Requirement

Code	Title	Hours
College Writing		
ENGW 1111	First-Year Writing	4
or ENGW 1102	First-Year Writing for Multilingual Writers	

Advanced Writing in the Disciplines

This requirement is satisfied by HIST 2302 taken in conjunction with HIST 2301.

Required General Electives

Code	Title	Hours
Complete 32 semester hours of general electives.		32

Khoury College GPA Requirement

A minimum cumulative 2.000 GPA is required in all CS, CY, DS, and IS courses.

Computer Science and History GPA/Credit Requirements

Complete 98 semester hours in the major with a minimum 2.000 GPA.

NUpath Requirements Satisfied

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

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

Program Requirement

135 total semester hours required

Plan of Study

Sample Plans of Study

FOUR YEARS, TWO CO-OPS IN SPRING/SUMMER 1

Year 1		Year 2		Year 3		Year 4	
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CS 1200		1 CS 2510 and CS 2511		5 CS 3500 and CS 3501		5 Elective	4

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CS 1800 and CS 1802	5	IS 2000	4	Elective	4	Elective	4
CS 2500 and CS 2501	5	History pre-1800 elective	4				
ENGW 1111	4	History elective 1	4				
HIST 1200	1						
HIST 1201	4						

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Year 2

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CS 1210	1	Co-op	0	Co-op	0	Elective	4
CS 3000	4					Elective	4
HIST 2301	4						
HIST 2302	1						
Research methods requirement	4						
Elective	4						

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Year 3

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CS 3200	4	Co-op	0	Co-op	0	Elective	4
History outside the United States and Europe elective	4					Elective	4
Khoury elective 1	4						
Intermediate history elective	4						

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Year 4

Fall	Hours	Spring	Hours
HIST 2211	4	Advanced history elective	4
Computing and social issues	4	History capstone seminar or senior project	4
History elective 2	4	Khoury elective 3	4
Khoury elective 2	4	Khoury elective 4	4

16 16

Total Hours: 136

FOUR YEARS, TWO CO-OPS IN SUMMER 2/FALL

Year 1

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CS 1200	1	CS 2510 and CS 2511	5	CS 3500 and CS 3501	5	Elective	4
CS 1800 and CS 1802	5	IS 2000	4	Elective	4	Elective	4
CS 2500 and CS 2501	5	History pre-1800 elective	4				
ENGW 1111	4	History elective 1	4				
HIST 1200	1						
HIST 1201	4						

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Year 2

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CS 3000	4	CS 1210	1	Elective	4	Co-op	0
HIST 2301	4	CS 3200	4	Elective	4		

HIST 2302	1	History elective 2	4					
Research methods requirement	4	History outside the United States and Europe elective	4					
Elective	4	Intermediate history elective	4					
	17		17		8			0
Year 3								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	
Co-op	0	Advanced history elective	4	Elective	4	Co-op	0	0
		Computing and social issues	4	Elective	4			
		Khoury elective 1	4					
		Khoury elective 2	4					
	0		16		8			0
Year 4								
Fall	Hours	Spring	Hours					
Co-op	0	HIST 2211	4					
		History capstone seminar or senior project	4					
		Khoury elective 3	4					
		Khoury elective 4	4					
	0		16					

Total Hours: 136