

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

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 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	Database Design	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 adviser approval, directed study, research, project study, and appropriate graduate-level courses may also be taken as upper-division electives.		
Complete 16 credits 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
History Electives		

Complete one introductory course from the following: 4

ASNS 1150	East Asian Studies
HIST 1120	Public History, Public Memory
HIST 1130	Introduction to the History of the United States
HIST 1170	Europe: Empires, Revolutions, Wars, and Their Aftermath
HIST 1185	Introduction to Middle Eastern History
WMNS 1103	Introduction to Women's, Gender, and Sexuality Studies

Complete one course from the following: 4

HIST 1218	Pirates, Planters, and Patriots: Making the Americas, 1492–1804
HIST 1252	Japanese Literature and Culture
HIST 1285	Introduction to Russian Civilization
HIST 1389	History of Espionage 1: Antiquity to World War II
HIST 2330	Colonial and Revolutionary America

Intermediate/Advanced History Cluster 12

Complete three HIST courses numbered 2303 or above. Cluster is subject to Department approval.

Complete one advanced-level course: 4

Select from any HIST course numbered 3000 or above.

History Capstone Seminar or Senior Project

HIST 4701	Capstone Seminar	4
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Integrative Course Requirement

Code	Title	Hours
HIST 2211	The World Since 1945	4

Supporting Courses

Code	Title	Hours
Research Methods		
Complete one course from the following: 4		
ECON 2350	Statistics	
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

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 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

Computer Science Writing Requirement

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

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 credits of general electives.	32

Khoury College GPA Requirement

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

Computer Science and History GPA/Credit Requirement

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 Plan of Study:****Four Years, Two Co-ops in Summer 2/Fall**

Year 1								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
CS 1200		1 CS 2510 and CS 2511		5 CS 3500 and CS 3501		5 Vacation		
CS 1800 and CS 1802	5	CS 3200	4	Elective		4		
CS 2500 and CS 2501	5	IS 2000		4				
ENGW 1111	4	Introductory history elective		4				
HIST 1200		1						
HIST 1201		4						
	20		17			9		0
Year 2								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
CS 3000		4 CS 1210		1 Elective		4 Co-op		
HIST 2301		4 Intermediate history elective 1		4 Elective		4		
HIST 2302		1 Intermediate history elective 2		4				
History Pre-1800 elective		4 Khoury elective 1		4				
Research methods requirement		4 Elective		4				
	17		17			8		0
Year 3								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
Co-op		Advanced history elective		4 Elective		4 Co-op		

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		Computing and social issues	4	Elective		4	
		Intermediate history elective 3	4				
		Khoury elective 2	4				
			0		16		8
							0
Year 4							
Fall	Hours	Spring	Hours	Summer 1	Hours		
Co-op		History capstone seminar or senior project	4	Elective		4	
		History integrative requirement	4	Elective		4	
		Khoury elective 3	4				
		Khoury elective 4	4				
			0		16		8

Total Hours: 136