

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.

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/npauth/>).

Experiential Liberal Arts

All undergraduate students in the College of Social Sciences and Humanities are required to complete the Experiential Liberal Arts Requirement (<http://catalog.northeastern.edu/undergraduate/social-sciences-humanities/#ela>).

Computer Science Courses

Code	Title	Hours
Computer Science Overview		
CS 1200	Leadership Skill Development	1
CS 1210	Professional Development for Khoury Co-op	1
Computer Science Fundamental Courses		
A grade of C– or higher is required in all computer science fundamental courses except CS 1802:		
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	Object-Oriented Design	4
IS 2000	Principles of Information Science	4
Presentation Requirement		
THTR 1170	The Eloquent Presenter	1
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 credits of upper-division CS, CY, DS, or IS courses that are not already required. Choose courses within the following ranges:

CS 2500 or higher, except CS 5010

CY 2000 or higher, except CY 4930

DS 2000 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 1180	African History	
HIST 1185	Introduction to Middle Eastern History	
HIST 1187	Introduction to Latin American History	
HIST 1190	Picturing Modernity: The Photographic Image in Culture and Society	
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 1270	Ancient Greece	
HIST 1271	Ancient Rome	
HIST 1285	Introduction to Russian Civilization	
HIST 1389	History of Espionage 1: Antiquity to World War II	
HIST 2330	Colonial and Revolutionary America	
Complete three intermediate/advanced-level courses:		12
Select from any HIST course numbered 2303 or above.		
Complete one advanced-level course:		4
Select from any HIST course numbered 3000 or above.		
History Capstone Seminar or Senior Project		
Complete one capstone experience from the following:		4
HIST 4701	Capstone Seminar	
Public history concentrators may also select from the following:		
HIST 4903	Fieldwork in History 1	

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	
POLS 2400	Quantitative Techniques	
PSYC 2320	Statistics in Psychological Research	
SOCL 2320	Statistical Analysis in Sociology	
ENVR 3300	Geographic Information Systems	
ENVR 5260	Geographical Information Systems	

Computing and Social Issues

Code	Title	Hours
Complete one of the following:		4
ANTH 3418	Wired/Unwired: Cybercultures and Technopolitics	
ENGL 2150	Literature and Digital Diversity	
CY 5240	Cyberlaw: Privacy, Ethics, and Digital Rights	
INSH 2102	Bostonography: The City through Data, Texts, Maps, and Networks	
PHIL 1145	Technology and Human Values	
SOCL 1280	The Twenty-First-Century Workplace	
SOCL 3485	Environment, Technology, and Society	
SOCL 4528	Computers 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 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 Patterns:

Four Years, Two Co-ops in Summer 2/Fall

Year 1						
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2
CS 1200	1	CS 2510 and CS 2511	5	CS 3500	4	Vacation
CS 1800 and CS 1802	5	IS 2000	4	Elective	4	
CS 2500 and CS 2501	5	CS 3200	4			
ENGW 1111	4	Introductory history elective	4			
HIST 1200	1					
HIST 1201	4					
		20	17	8		0

Year 2						
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2
CS 3000	4	CS 1210	1	Elective	4	Co-op
HIST 2301	4	Elective	4	Elective	4	
HIST 2302	1	Khoury elective 1	4			
History Pre-1800 elective	4	Intermediate history elective 1	4			
Research methods requirement	4	Intermediate history elective 2	4			
		17	17	8		0

Year 3						
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2
Co-op		Khoury elective 2	4	Elective	4	Co-op
		Intermediate history elective 3	4	Elective	4	
		Advanced history elective	4			
		Computing and social issues	4			
		THTR 1170	1			
		0	17	8		0

Year 4						
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2
Co-op		Khoury elective 3	4	Elective	4	

History capstone seminar or senior project	4	Elective	4
History integrative requirement	4		
Khoury elective 4	4		
	0	16	8

Total Hours: 136

Five Years, Three Co-ops in Spring/Summer 1

Year 1

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CS 1200	1	CS 2510 and CS 2511	5	Vacation		Vacation	
CS 1800 and CS 1802	5	CS 3200	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		0		0

Year 2

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CS 1210	1	Co-op		Co-op		Vacation	
CS 3000	4						
CS 3500	4						
HIST 2301	4						
HIST 2302	1						
Research methods requirement	4						
	18		0		0		0

Year 3

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
History Pre-1800 elective	4	Co-op		Co-op		Elective	4
Intermediate history elective 1	4					Elective	4
Elective	4						
Khoury elective 1	4						
THTR 1170	1						
	17		0		0		8

Year 4

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
Khoury elective 2	4	Co-op		Co-op		Elective	4

Intermediate history elective 2	4			Elective	4
Computing and social issues	4				
Elective	4				
	16		0		0
					8

Year 5

Fall	Hours	Spring	Hours
Khoury elective 3	4	Khoury elective 4	4
Intermediate history elective 3	4	Advanced history elective	4
Elective	4	History capstone seminar or senior project	4
Elective	4	History integrative requirement	4
	16		16

Total Hours: 136