

Computer Science and History, BS (Boston)

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 (<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		
All students can take a self-assessment to attempt to place out of CS 2000 and CS 2001. Students who place out of CS 2000 and CS 2001 will instead substitute 4-5 semester hours of CS, CY, or DS coursework at the 3000 level or higher not otherwise required in the degree.		
CS 1800 and CS 1802	Discrete Structures and Seminar for CS 1800	5
CS 2000 and CS 2001	Introduction to Program Design and Implementation and Lab for CS 2000	5
CS 2100 and CS 2101	Program Design and Implementation 1 and Lab for CS 2100	5
Computer Science Required Courses		
CS 3000	Algorithms and Data	4
CS 3100 and CS 3101	Program Design and Implementation 2 and Lab for CS 3100	5
CS 3200	Introduction to Databases	4
CS 4530 or CS 4535	Fundamentals of Software Engineering Professional Practicum Capstone	4
Khoury Approved Electives		
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 from within the following options:		16
CS 2500 or higher, except CS 5010		
CY 2000 or higher, except CY 4930		
DS 2500 or higher, except DS 4900		
MKTG 4606	Digital, Analytics, Technology, and Automation Research Practicum	

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 China	
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
DS 1300	Knowledge in a Digital World
or PHIL 1300	Knowledge in a Digital World
HIST 2220	History of Technology
INSH 2102	Bostonography: The City through Data, Texts, Maps, and Networks
JRNL 3700	Data Storytelling
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 FIRST HALF

Year 1							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CS 1200		1 CS 2100 and CS 2101		5 CS 3100 and CS 3101		5 General Elective	4
CS 1800 and CS 1802	5	HIST 2301	4	General Elective	4	General Elective	4
CS 2000 and CS 2001	5	History pre-1800 elective	4				
ENGW 1111	4	History elective 1	4				

4 Computer Science and History, BS (Boston)

HIST 1200			1											
HIST 1201			4											
			20				17							
									9					
									8					
Year 2														
Fall	Hours	Spring		Hours	Summer 1		Hours	Summer 2		Hours				
CS 1210		1	Co-op		0	Co-op		0	General Elective		4			
CS 3000	4								General Elective		4			
HIST 2302		1												
CS 3200	4													
Research methods requirement	4													
General Elective	4													
			18				0				0			
Year 3														
Fall	Hours	Spring		Hours	Summer 1		Hours	Summer 2		Hours				
History outside the United States and Europe elective		4	Co-op		0	Co-op		0	General Elective		4			
Khoury Elective 1	4								General Elective		4			
Khoury Elective 2	4													
Intermediate history elective	4													
			16				0				0			
Year 4														
Fall	Hours	Spring		Hours										
HIST 2211		4	CS 4530 or 4535		4									
Computing and social issues	4	Advanced history elective			4									
History elective 2		4	History capstone seminar or senior project		4									
Khoury Elective 3	4	Khoury Elective 4			4									
			16				16							

Total Hours: 136

FOUR YEARS, TWO CO-OPS IN SUMMER SECOND HALF/FALL

Year 1									
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours		
CS 1200		1 CS 2100 and CS 2101		5 CS 3100 and CS 3101		5 General Elective	4		
CS 1800 and CS 1802		5 History pre-1800 elective		4 General Elective		4 General Elective	4		
CS 2000 and CS 2001		5 HIST 2301		4					
ENGW 1111		4 History elective 1		4					
HIST 1200		1							
HIST 1201		4							
20		17		9		8			
Year 2									
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours		
CS 3000		4 CS 1210		1 General Elective		4 Co-op	0		
HIST 2302		1 History elective 2		4 General Elective		4			
CS 3200		4 Khoury Elective 1		4					
Research methods requirement		4 History outside the United States and Europe elective		4					

