

Computer Science and Criminal Justice, BS

For students interested in criminal justice in an increasingly digital world, the computer science and criminal justice combined degree offers a strong programming foundation coupled with academic and experiential knowledge of the criminal justice system. The curriculum provides instruction in the principles, practices, and responsibilities of criminal justice professionals alongside the computer science skills necessary for practical applications in the field.

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		
Must be taken in alignment with your home college:		
CS 1200 or CRIM 1000	First Year Seminar Criminal Justice 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 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

Criminal Justice Courses

Code	Title	Hours
Introduction to Crime, Law, and the Justice System		
What do we know about crime and justice? In these three courses, students have an opportunity to develop a foundational understanding of three related phenomena: why crime exists, how our criminal justice system responds to crime, and the constitutional and legal oversight of this process.		
CRIM 1100	Introduction to Criminal Justice	4
CRIM 1110	Criminal Due Process	4
CRIM 1120	Criminology	4
Current Crime and Justice Issues		
These courses introduce students to topical issues related to crime and justice.		
Complete one of the following:		4
CRIM 1300	The Death Penalty	
CRIM 1400	Human Trafficking	
CRIM 1500	Corruption, Integrity, and Accountability	
CRIM 1700	Crime, Media, and Politics	
Crime Problems and Criminal Justice Institutions		
The 2000-level courses in this list ask how does justice work and for whom? These courses introduce students to the systems and institutions tasked with providing justice. Each includes experiential learning components in cooperation with local criminal justice institutions. The 3000-level courses in this list provide students with a deeper look at a range of crime problems.		
Complete one of the following:		4
CRIM 2310	Courts: The Third Branch of Government	
CRIM 2320	Youth Crime and Justice	
CRIM 2330	Punishment in the Age of Mass Incarceration	
CRIM 2340	Corporate Security: Securing the Private Sector	
CRIM 2350	Policing a Democratic Society	
CRIM 2370	Restorative Justice: Transforming the System	
CRIM 2380	Black Families and Incarceration	
CRIM 3010	Criminal Violence	
CRIM 3030	Global Criminology	
CRIM 3040	Psychology of Crime	
CRIM 3070	Corporate and White-Collar Crime	
CRIM 3050	Organized Crime	
CRIM 3100	Criminal Law	
CRIM 3540	Addiction and Recovery	
Systemic Issues		
These courses consider systemic issues facing the criminal justice system.		
Complete one of the following:		4
CRIM 3110	Gender, Crime, and Justice	
CRIM 3120	Race, Crime, and Justice	
Creating Knowledge about Crime and Justice		
How do we know what we know about crime and justice—and how do we develop new knowledge? These courses cover how to harness data to learn about issues, identify solutions, and advocate for change.		
CRIM 3600	Criminal Justice Research Methods	4
CRIM 3700	Analyzing and Using Data on Crime and Justice	4
Criminal Justice Capstone		
CRIM 4949	Senior Capstone Seminar	4
Criminal Justice Elective		
These courses round out our knowledge of crime and justice.		
Complete one additional criminal justice elective from the 3000, 4000, or 5000 level.		4

Integrative Course Requirement

Code	Title	Hours
Complete one of the following:		4
CRIM 3060	Political Crime and Terrorism	
CRIM 4040	Crime Prevention	

Supporting Course

Code	Title	Hours
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 English 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		
Complete one of the following:		4
ENGW 3302	Advanced Writing in the Technical Professions	
ENGW 3308	Advanced Writing in the Social Sciences	
ENGW 3315	Interdisciplinary Advanced Writing in the Disciplines	

Required General Electives

Code	Title	Hours
Complete 28 credits of general electives.		28

Khoury College GPA Requirement

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

NUpath Requirements Satisfied

- Engaging with the Natural and Designed World
- Conducting Formal and Quantitative Reasoning
- Analyzing and Using Data
- Understanding Societies and Institutions
- 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.

Program Requirement

133 total semester hours required

Plan of Study**Sample Plan of Study:****Four Years, 2 Co-ops in Spring/Summer 1**

Year 1								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
CRIM 1100		4 CRIM 1110		4 CS 3500 and CS 3501		5 Elective		4
CS 1200		1 CRIM 1120		4 Elective		4		
CS 1800 and CS 1802		5 CS 2510 and CS 2511		5				
CS 2500 and CS 2501		5 IS 2000		4				
ENGW 1111		4						
		19		17		9		4
Year 2								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
CRIM 3600		4 Co-op		Co-op		Elective		4
CS 1210 or EESH 2000		1				Elective		4
CS 3000		4						
CS 3200		4						
Current Crime and Justice Issues		4						
		17		0		0		8
Year 3								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
CRIM 3700		4 Co-op		Co-op		Elective		4
Crime Problems and Criminal Justice Institutions		4 ENGW 3302, 3308, or 3315		4		Elective		4
Khoury elective 1		4						
Khoury elective 2		4						
		16		4		0		8
Year 4								
Fall	Hours	Spring	Hours	Hours	Hours	Hours	Hours	Hours
CJ Systemic Issues		4 CRIM 4949		4				
CJ Elective		4 CJ integrative course		4				
Computing and social issues		4 Khoury elective 4		4				
Khoury elective 3		4 Elective		4				
		16		16				

Total Hours: 134

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

Year 1								
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours	Hours
CRIM 1100		4 CRIM 1110		4 CS 3000		4 Elective		4
CS 1200		1 CRIM 1120		4 Elective		4 Elective		4
CS 1800 and CS 1802		5 CS 2510 and CS 2511		5				
CS 2500 and CS 2501		5 IS 2000		4				
ENGW 1111		4						
		19		17		8		8

Year 2							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CRIM 3600		4 CRIM 3700		4 Elective		4 Co-op	
CS 3500 and CS 3501		5 CS 1210		1 Elective		4	
Current Crime and Justice Issues		4 CS 3200		4			
Elective		4 Crime Problems and Criminal Justice Institutions		4			
		Khoury Elective 1		4			
		17			17		
						8	0
Year 3							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
Co-op		Computing and social issues		4 ENGW 3302, 3308, or 3315		4 Co-op	
		CJ Elective		4 Elective		4	
		CJ Systemic Issues		4			
		Khoury Elective 2		4			
		0			16		
						8	0
Year 4							
Fall	Hours	Spring	Hours				
Co-op		CRIM 4949		4			
		CJ integrative course		4			
		Khoury Elective 3		4			
		Khoury Elective 4		4			
		0			16		

Total Hours: 134