

Computer Science and Criminal Justice, BS (Boston)

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

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		
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 with 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 3200	Introduction to Databases	4
CS 3100 and CS 3101	Program Design and Implementation 2 and Lab for CS 3100	5
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 the following:		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	

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
AFCS 3210	Black Abolition Studies: Carcerality, Liberation, and Resistance	
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	Substance Use and Social Justice	
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	
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 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 semester hours 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 Plans of Study****FOUR YEARS, 2 CO-OPS IN SPRING/SUMMER FIRST HALF****Year 1**

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CRIM 1100		4 CRIM 1110		4 CS 3100 and CS 3101		5 General Elective	4
CS 1200	1	CRIM 1120	4	General Elective	4		
CS 1800 and CS 1802	5	CS 2100 and CS 2101	5				
CS 2000 and CS 2001	5	General Elective	4				
ENGW 1111	4						
	19		17		9		4

Year 2

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CRIM 3600	4	Co-op	0	Co-op	0	General Elective	4
CS 1210 or EESH 2000	1					General 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
CRIM 3700	4	Co-op	0	Co-op	0	General Elective	4
Crime Problems and Criminal Justice Institutions	4	ENGW 3302, 3308, or 3315	4			General Elective	4
Khoury elective 1	4						
Khoury elective 2	4						
	16		4		0		8

Year 4

Fall	Hours	Spring	Hours
CJ Systemic Issues	4	CRIM 4949	4
CJ Elective	4	CS 4530 or 4535	4
Computing and social issues	4	CJ integrative course	4
Khoury elective 3	4	Khoury elective 4	4
	16		16

Total Hours: 134**FOUR YEARS, 2 CO-OPS IN SUMMER SECOND HALF/FALL****Year 1**

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
CRIM 1100	4	CRIM 1110	4	CS 3000	4	General Elective	4
CS 1200	1	CRIM 1120	4	General Elective	4	General Elective	4
CS 2000 and CS 2001	5	CS 2100 and CS 2101	5				
CS 1800 and CS 1802	5	General Elective	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 General Elective		4 Co-op	0
CS 3100 and CS 3101		5 CS 1210		1 General Elective		4	
Current Crime and Justice Issues		4 CS 3200		4			
General 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	0	Computing and social issues	4	ENGW 3302, 3308, or 3315	4	Co-op	0
		CJ Elective	4	Khoury elective 3	4		
		CJ Systemic Issues	4				
		Khoury Elective 2	4				
	0		16		8		0

Year 4

Fall	Hours	Spring	Hours
Co-op	0	CRIM 4949	4
		CS 4530 or 4535	4
		CJ integrative course	4
		Khoury Elective 4	4
	0		16

Total Hours: 134