

# Security and Resilience Studies, MS

## Overview

Security and resilience studies is an emerging field of inquiry that focuses on how global, national, and subnational actors manage a range of chronic transnational challenges—such as terrorism, organized crime, weapons proliferation, cyberattacks, bioterrorism, climate change and catastrophic disasters, migration, and radicalization—that can be destabilizing to societies. It explores how strategic doctrines, organization processes, bureaucratic behaviors, and security tools and tactics are adapting to these challenges by placing greater emphasis on resilience. Resilience is a concept rooted in multiple disciplines that is gaining widespread currency at the community, societal, and global levels given the prevalence of human-made and naturally occurring threats that do not lend themselves to preventive and protective measures. Strategies for dealing with these threats emphasize measures that mitigate, respond to, recover from, and adapt to risk in order to safeguard essential functions and societal values. Many of these measures involve the role of technologies, system design, and engineering as well as policy, regulatory, and governance issues. Students at Northeastern who enroll in the Master of Science in Security and Resilience Studies have an opportunity to become prepared to inform and support domestic and international efforts to deal with the major sources of turbulence in the 21st century.

The master's program offers an optional cooperative education experience (co-op) to eligible students. Cooperative education is central to both the Northeastern experience and to the College of Social Sciences and Humanities experiential liberal arts framework. Northeastern's signature co-op ecosystem provides qualified master's students with six-month work experiences in businesses, nonprofits, and government agencies in Boston and across the United States. Graduate students take their work from campus learning spaces, apply their knowledge outside of the classroom, and then bring knowledge and skills gained in community learning spaces back to our campus learning spaces during the cocurricular experiential integration course.

To earn the Master of Science in Security and Resilience Studies degree at Northeastern, you must successfully complete 32 semester hours (34 semester hours with co-op). Full-time students can expect to complete the degree within one calendar year. This program can be completed either at Northeastern University's Boston campus or online. Cost per semester hour may vary based on the college that offers the course. See Tuition and Fees (<http://catalog.northeastern.edu/graduate/expenses/tuition-fees/>) for more information.

## Academic Standing/Progress

Satisfactory progress in the MS program includes maintaining a minimum grade-point average of 3.000.

## Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

### Core Requirements

Code	Title	Hours
<b>Required Core Courses</b>		
POLS 7341	Security and Resilience Policy <sup>1</sup>	4
<b>Research Method</b>		
INSH 6300 or INSH 6500 or PPUA 5263	Research Methods in the Social Sciences Statistical Analysis Geographic Information Systems for Urban and Regional Policy	4
<b>Core Elective Courses</b>		
Complete 8 semester hours from the following:		8
CRIM 6200	Criminology <sup>1</sup>	
CY 5010	Foundations of Information Assurance <sup>1</sup>	
POLS 7343	Counterterrorism	
POLS 7346 or PPUA 7346	Resilient Cities Resilient Cities	
POLS 7369 or POLS 5408	International Security International Security	
POLS 7441	Cyberconflict	
PPUA 5390	Special Topics in Public Policy and Urban Affairs <sup>1</sup>	

### Capstone

Code	Title	Hours
Choose one of the following options in consultation with faculty advisor and program director:		
POLS 7980 or PPUA 7673	Capstone Project <sup>1</sup> Capstone in Public Policy and Urban Affairs	4

## Electives

Electives are organized by themes to allow students to think thematically.

Code	Title	Hours
Complete 12 semester hours from any combination of the following elective themes:		12

- Administration, Management, and Policy (p. 2)
- Counterterrorism and Conflict Studies (p. 2)
- Criminal Justice (p. )
- Cybersecurity Policy (p. 2)
- Resilient Cities (p. 2)

### ADMINISTRATION, MANAGEMENT, AND POLICY

Code	Title	Hours
CRIM 6202	The Criminal Justice Process	
POLS 7387	Global Governance	
POLS 7704	Critical Infrastructure Resilience <sup>1</sup>	
PPUA 6502	Economic Analysis for Policy and Planning	
PPUA 6503	Managing People in Public and Nonprofit Sectors <sup>1</sup>	
PPUA 6505	Public Budgeting and Financial Management <sup>1</sup>	
PPUA 6506	Techniques of Policy Analysis <sup>1</sup>	
PPUA 6507	Institutional Leadership and the Public Manager <sup>1</sup>	

### COUNTERTERRORISM AND CONFLICT STUDIES

Code	Title	Hours
CRIM 5201	Global Criminology	
POLS 7343	Counterterrorism	
POLS 7344	Hard Power, Soft Power, and Smart Power	
POLS 7366	Genocide in a Comparative Perspective	
POLS 7369	International Security	
or POLS 5408	International Security	

### CRIMINAL JUSTICE

Code	Title	Hours
CRIM 5201	Global Criminology	
CRIM 6200	Criminology <sup>1</sup>	
CRIM 6202	The Criminal Justice Process	
CRIM 6262	Evidence-Based Crime Policy	

### CYBERSECURITY POLICY

Code	Title	Hours
CY 5001	Cyberspace Technology and Applications	
CY 5010	Foundations of Information Assurance	
CY 5200	Security Risk Management and Assessment	
CY 5210	Information System Forensics	
CY 5240	Cyberlaw: Privacy, Ethics, and Digital Rights	
CY 5250	Decision Making for Critical Infrastructure	
PHIL 5005	Information Ethics	
PHIL 5010	AI Ethics	
POLS 7441	Cyberconflict <sup>1</sup>	

### RESILIENT CITIES

Code	Title	Hours
CRIM 6200	Criminology	
CRIM 6262	Evidence-Based Crime Policy	
CRIM 6270	Crime and Community Context	

LPSC 7312	Cities, Sustainability, and Climate Change
POLS 7346 or PPUA 7346	Resilient Cities Resilient Cities
POLS 7704	Critical Infrastructure Resilience <sup>1</sup>
PPUA 5261	Dynamic Modeling for Environmental Decision Making
PPUA 5262	Big Data for Cities <sup>1</sup>
PPUA 5263	Geographic Information Systems for Urban and Regional Policy
PPUA 5266	Urban Theory and Science
PPUA 6201	The 21st-Century City: Urban Opportunities and Challenges in a Global Context
PPUA 7237	Advanced Spatial Analysis of Urban Systems

### Optional Co-op Experience

Code	Title	Hours
Four-month co-ops require registration at 1 SH for one term. Longer co-ops require registration at 1 SH per term for two consecutive terms.		1-2
POLS 6964 and INSH 6864	Co-op Work Experience and Experiential Integration	

### Program Credit/GPA Requirements

32 total semester hours (33-34 with optional co-op) required  
Minimum 3.000 GPA required

<sup>1</sup> Occasional online offering