Master of Science in Cybersecurity Policy and Governance

BOSTON COLLEGE
WOODS COLLEGE OF ADVANCING STUDIES
The Master of Science (M.S.) in Cybersecurity Policy and Governance program prepares professionals to develop and implement a unified strategy to meet and respond to the challenges of today’s cyber ecosystem.

The M.S. in Cybersecurity Policy and Governance provides you with the tools and skills you need to manage cybersecurity practice and policy in private industry and government. With an emphasis on leadership, critical thinking, analytic problem solving, and communication skills, this rigorous, 10-course program teaches you to help organizations protect their data, identify and manage cyber risk, and recover from cyber attacks.

**LEARN HOW TO:**
- Design, develop, and implement cybersecurity strategies that defend against and ensure recovery from cyber attacks.
- Develop and present the most cogent case for cybersecurity investment to senior executives, boards of directors, and government officials.
- Cultivate and promote ethical principles that complement and advance company policies and government interests.
- Bridge the communication gap between information technology security professionals and key business and government stakeholders.

**FLEXIBLE AND RELEVANT**
Offered during the evenings as a full- or part-time course of study, the M.S. in Cybersecurity Policy and Governance program is tailored to the needs of IT managers, professionals, and practitioners, and to individuals seeking knowledge and skills to advance their careers.
FACULTY
The M.S. in Cybersecurity Policy and Governance is taught entirely by cybersecurity industry leaders and practitioners from varying private and government organizations doing cutting-edge work in the field, including Draper Labs, EMC/RSA, FireEye/Mandiant, IBM Security, Mintz Levin, The MITRE Corporation, National Grid, Pricewaterhouse Coopers (PwC), and Weil, Gotshal & Manges LLP, among others.

CURRICULUM
Ten courses—six core courses and four elective courses—are required to complete the M.S. in Cybersecurity Policy and Governance program.

CORE COURSES
- Cyber Ecosystem and Cybersecurity
- Cybersecurity Policy: Privacy and Legal Requirements
- Network and Infrastructure Security
- Incident Response and Management
- Organizational Effectiveness: Governance, Risk Management, and Compliance
- Ethical Issues in Cybersecurity and the Ignatian Paradigm

SAMPLE ELECTIVE COURSES
- Establishing the Business Case and Resource Allocation
- International Cybersecurity Investigations and Forensics
- Managing Cyber Risk: Mobile Devices and Social Networking
- Role of Intelligence: Enabling Proactive Security
- Security in the Cloud
- Applied Research Project: Completed in conjunction with a job, externship, or portfolio part-time study (20 months)

FULL-TIME STUDY (15 MONTHS)

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<th>SEMESTER</th>
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<tr>
<td>Fall</td>
<td>Cyber Ecosystem and Cybersecurity; Cybersecurity Policy: Privacy and Legal Requirements; Elective I</td>
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<td>Spring</td>
<td>Network and Infrastructure Security; Incident Response and Management; Elective II</td>
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<tr>
<td>Summer</td>
<td>Organizational Effectiveness: Governance, Risk Management, and Compliance; Elective III</td>
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<tr>
<td>Fall</td>
<td>Organizational Effectiveness: Governance, Risk Management, and Compliance; Elective IV</td>
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PART-TIME STUDY (20 MONTHS)

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<td>Network and Infrastructure Security; Incident Response and Management</td>
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<td>Summer</td>
<td>Ethical Issues in Cybersecurity and the Ignatian Paradigm; Elective I</td>
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<tr>
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<td>Organizational Effectiveness: Governance, Risk Management, and Compliance; Elective II</td>
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<tr>
<td>Spring</td>
<td>Elective III; Elective IV</td>
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SAMPLE PROGRAMS OF STUDY

SKILLS TO DEFEND AND PROTECT

“The cyber domain is the new battlefront, and this program is challenging me to respond quickly to the type of enemy we face today. I’m getting the skills I need to defend my organization against cyber attacks and to protect against future attacks. The curriculum is very well rounded and applicable to my work in the real world.”

—Capt. Kevin K. Adams, M.S. in Cybersecurity Policy and Governance ’18; Intelligence Research Specialist, First Coast Guard District; Company Commander, U.S. Army Reserves
Industry and Government Partners

The M.S. in Cybersecurity Policy and Governance program collaborates with more than 50 private industry and government leaders who enrich the program as visiting professors and guest lecturers, and provide internship opportunities and on- and off-campus conferences and networking events. Our private industry and government leaders come from the following organizations:

AIG
Arthur J. Gallagher & Co.
Arbella Insurance
Bank of America
Blue Cross Blue Shield of Rhode Island
Booz Allen & Hamilton
Carbon Black
Citi Bank
City of Boston/DoIT
Commonwealth of Massachusetts/MassIT
Comtrade
Cybereason
Cyxtera Technologies
Dell EMC
Draper Labs
Federal Bureau of Investigation
Fidelity
FireEye/Mandiant
FTI Technology
Gartner Consulting
Google
GuidePoint Security
Holland & Knight
IBM Security
Jones Day
LinkedIn
Locke Lord
Lockheed Martin
Mintz Levin
Morgan Stanley
National Grid
National Security Agency
PwC
Rapid7
Raytheon
RSA
Secret Service
Skybox Security
State Street
Symantec
The MITRE Corporation
U.S. Department of Defense
U.S. Department of Energy
U.S. Department of Homeland Security
U.S. Department of Justice
U.S. Department of the Treasury
U.S. Steel
Veracode
Verizon
VMware
Weil, Gotshal & Manges LLP

Highly Interactive and Current

“This program isn’t humdrum learning from a book. It’s highly interactive and all current, with lots of class discussion. Our instructors and guest speakers have superior knowledge of the cyber arena, and the students come from diverse professional backgrounds. It’s a fantastic learning atmosphere.”

— Adam S. Cefalo, CFA, M.S. in Cybersecurity Policy and Governance ’17; Director, Business Development, O’Shares Investments
ADVISORY COUNCIL
The Advisory Council for the M.S. in Cybersecurity Policy and Governance provides guidance, oversight, and advice for the development and maintenance of the program’s curriculum to ensure it keeps pace with the constant and varying cyber threats faced by private industry and government. Members include:

- Michael Bourque, Vice President and Chief Information Officer, Boston College
- Michael Brown, RADM, USN (ret.), Vice President and General Manager, Global Public Sector, RSA
- Rev. James Burns, Ph.D., Dean, Woods College of Advancing Studies, Boston College
- Patrick Cain, President, The Cooper-Cain Group, Inc.
- Robert Cherinka, Ph.D., Senior Principal Information Systems Engineer, The MITRE Corporation
- Cheryl A. Davis, Director of Cybersecurity, National Security Council, The White House
- Sean M. Doherty, Senior Public Policy Analyst, Bank of America Merrill Lynch
- John C. Eckenrode, Senior Vice President and Chief Security Officer, State Street
- David Escalante, Director Computer Policy and Security, Boston College
- David Goodman, Ph.D., Associate Dean of Academic Affairs, Woods College, Boston College
- Cynthia J. Larose, Esq., Partner and Chair, Privacy & Security Practice Group, Mintz Levin
- John T. Martinez, Vice President and ILS General Counsel, Raytheon Intelligence, Information and Services
- John O’Connor, Executive Vice President, Fidelity Security Services
- Kevin R. Powers, J.D., Program Director, M.S. in Cybersecurity Policy and Governance Professor of the Practice, Business Law and Society Department, Carroll School of Management
- Sam Ransbotham, Ph.D., Associate Professor, Information Systems Department, Carroll School of Management, Boston College
- Lisa M. Ropple, Esq., Partner, Cybersecurity, Privacy & Data Protection Group, Head of Litigation - Boston Office, Jones Day
- Kevin Swindon, Supervisory Special Agent, Federal Bureau of Investigation, Boston
- Michael Steinmetz, Director, Office of Homeland Security, Cybersecurity and Counter Terrorism, The State of Rhode Island
- Howard Straubing, Ph.D., Professor, Computer Science Department, Boston College
- Don Ulsch, Senior Managing Director, Cybercrime and Breach Response, Pricewaterhouse Coopers (PwC)
- David Wilkinson, Senior Director, Security & Risk Management, Gartner Consulting
- Graham Wright, Chief Information Security Officer & Global Head of Digital Risk, National Grid

EXCEPTIONAL OPPORTUNITIES IN BOSTON AND BEYOND
As a student in the M.S. in Cybersecurity Policy and Governance program, you’ll work closely with our faculty and with the full-service Boston College Career Center to tap into real-world experience to advance your career. Our Boston location offers diverse opportunities for internships and employment in the city’s thriving technology, finance and banking, government, business and consulting, healthcare, and nonprofit sectors. Internationally recognized as a top-tier research institution, Boston College opens doors to internships and employment beyond Boston.

“Boston College’s M.S. in Cybersecurity Policy and Governance Program is at the right place at the right time. At least since 2015, the knowledge gap for industry has been widening, just as the global threats have been advancing. There is a critical need for security professionals that can cope with advanced threats and advanced adversaries and help to drive cybersecurity policy across enterprises.”

—Cynthia J. Larose, Esq., CIPP, Partner and Chair, Privacy & Security Practice Group, Mintz Levin
Applications are accepted on a rolling basis for admission in the fall or spring semester. All undergraduate majors are welcome. Financial aid and career assistance are available.

To learn more about our M.S. in Cybersecurity Policy and Governance program, please contact Kevin R. Powers, J.D., program director, at 617–552–3900 or kevin.powers@bc.edu.

"The value of the program crystallized for me when I was offered a position at National Grid. This opportunity is a direct result of the power of the program’s connections and the relevant course material. The fact that I got a job so quickly speaks highly of the program director’s vision and what he hopes students achieve."

—Spencer Constable, M.S. in Cybersecurity Policy and Governance ’17; Associate Compliance Analyst, National Grid

ALUMNI NETWORK
More than 177,000 members strong, Boston College’s Alumni Association is dedicated to fostering lifelong relationships with our graduates. You’ll find many opportunities to connect with our accomplished graduates through a variety of on- and off-campus events. In addition, the Boston College Career Center offers students and alumni access to the Boston College Career Community on LinkedIn, an online career forum made up of more than 10,000 alumni and peers, as well as EagleLink, the University’s online recruiting database.

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