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, PricewaterhouseCoopers (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 Compliancy
- 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

SAMPLE PROGRAMS OF STUDY

FULL-TIME STUDY (15 MONTHS)

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<th>SEMESTER</th>
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<tbody>
<tr>
<td>Fall</td>
<td>Cyber Ecosystem and Cybersecurity; Cybersecurity Policy: Privacy and Legal Requirements; Elective I</td>
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<tr>
<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 Compliancy; Elective III</td>
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<tr>
<td>Fall</td>
<td>Organizational Effectiveness: Governance, Risk Management, and Compliancy; Elective IV</td>
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PART-TIME STUDY (20 MONTHS)

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<tr>
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<tr>
<td>Spring</td>
<td>Network and Infrastructure Security; Incident Response and Management</td>
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<tr>
<td>Summer</td>
<td>Ethical Issues in Cybersecurity and the Ignatian Paradigm; Elective I</td>
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<tr>
<td>Fall</td>
<td>Organizational Effectiveness: Governance, Risk Management, and Compliancy; Elective II</td>
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<tr>
<td>Spring</td>
<td>Elective III; Elective IV</td>
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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 ’17; Intelligence Research Specialist, First Coast Guard District; Company Commander, U.S. Army Reserves
The M.S. in Cybersecurity Policy and Governance program collaborates with more than 35 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:

ADP  
Arbella Insurance Group  
Arthur J. Gallagher & Co.  
Bank of America  
Commonwealth of Massachusetts/MassIT  
Comtrade  
EMC/RSA  
Draper Labs  
Federal Bureau of Investigation (FBI)  
Fidelity  
FireEye/Mandiant  
Gartner Consulting  
GuidePoint Security  
IBM Security  
LinkedIn  
Locke Lord Edwards LLP  
Lockheed Martin  
Manulife/John Hancock  
Massachusetts Biotechnology Council  
Massachusetts State Police  
Mintz Levin Cohn Ferris Glovsky and Popeo PC  
Morgan Stanley  
National Grid  
National Security Agency  
PwC  
Raytheon  
Sanofi North America  
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  
Verizon  
Verterim  
Weil, Gotshal & Manges LLP

“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
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**, I.V.D., 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. Eckernrode**, Senior Vice President and Chief Security Officer, State Street
- **David Escalante**, Director of Computer Policy and Security, Boston College
- **David Goodman**, Ph.D., Associate Dean of Academic Affairs, Woods College of Advancing Studies, Boston College
- **Cynthia J. Larose, Esq., CIPP**, Partner and Chair, Privacy & Security Practice Group, Mintz Levin
- **John T. Martinez**, Vice President and IIS General Counsel, Raytheon Intelligence, Information and Services
- **Kevin R. Powers, J.D.**, Program Director, M.S. in Cybersecurity Policy and Governance, Woods College of Advancing Studies, Boston College
- **Kevin Swindon**, Supervisory Special Agent, Federal Bureau of Investigation, Boston
- **Don Ulsch**, Senior Managing Director, Cybercrime and Breach Response, PricewaterhouseCoopers (PwC)

“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.

**Value and Vision**

“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**

Our Alumni Association is dedicated to fostering lifelong relationships with our graduates and numbers 178,000 members strong. 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.