“As an online learner at Brandeis GPS, I found the coursework and support resources convenient and accommodating. In fact, I rarely felt as though my studies were an interruption. What I learned was immediately applicable, and I continue every day to benefit from the understanding the courses gave me.”

— Scott Paddock, GPS Student

As news about severe security breaches top headlines on a regular basis, virtually every business, governmental organization and enterprise must be proactive in protecting itself against malicious security attacks, while still preparing for disaster recovery. Today’s organizations demand security professionals in both the private and public sectors.

The Master of Science in Information Security provides its graduates with the business and analytical skills necessary to address unique security vulnerabilities and countermeasures. Graduates acquire the specialized knowledge needed to understand and respond to the industry’s most pressing security challenges.

**GRADUATES ARE PREPARED TO:**

- Assess risks to the security of proprietary information in an organization.
- Understand the technical, organizational and human factors associated with these risks.
- Evaluate information technology tools designed to protect against threats facing organizations.
- Assess the impact of security policies on existing complex systems and organizational objectives while simultaneously considering regulatory requirements and compliance.
- Oversee the information security life cycle of an organization, including planning, acquisition, development and evolution of secure infrastructures.
INFORMATION SECURITY STUDENTS
- The median age for the program’s students is 38.
- The program population is 83% male and 17% female.
- Number of states our students represent: 14.
- 22 students have graduated from this program since it launched in 2008.
- 53 students are currently working towards this degree.

OUR STUDENTS WORK OR HAVE WORKED AT PRESTIGIOUS ORGANIZATIONS SUCH AS:
- EMC
- Analog Devices
- Sun Life Financial
- Raytheon
- RSA Security
- Mathworks
- Parametric Technology Corporation

REQUIRED COURSES
- Foundations of Information Security
- Foundations of Information Security Management
- Applied Cryptography and Access Control
- Network Security
- IT Security and Compliance

ELECTIVES (SELECT 5)
- Information Technology Forensics and Investigations
- Secure Mobile Applications and Data
- Securing Applications, Web Services and Software-as-a-Service (SaaS)
- Principles of Risk Management in IT Security
- Principles of Business Continuity Planning
- Securing Virtualized and Cloud Infrastructures
- Principles of Incident Response and Disaster Recovery
- Health/Medical Information Systems Security
- Organizational Leadership and Decision Making
- Secure SDLC (Software Development Life Cycle)
- Software Security Testing and Code Assessment
- Special Topics in Information Security
- Legal and Ethical Practices in IT

TWO AVAILABLE DEGREE TRACKS
- Managerial and Technical

Connect with an Enrollment Advisor today to discuss your interest or make a plan to apply. **Call us toll free: 800-618-4681 or apply online.**