

MASTER'S DEGREES AND GRADUATE CERTIFICATES

We offer degrees and certificates in the following disciplines:

- Bioinformatics
- Information Assurance
- Information Technology Management
- Management of Projects and Programs
- Software Engineering
- Virtual Team Management and Communication

THE GPS COMPETITIVE EDGE

- Part of a world-class research university
- More focused than MBA programs
- Instructors are working professionals
- Representatives from leading companies serve on program advisory councils
- Knowledge immediately applicable on the job
- Small class sizes

OUR FLEXIBLE OPTIONS

- Take up to four courses before applying to a program
- GREs and GMATs are not required
- Part-time courses are offered on campus in the evening
- All programs are available online except Bioinformatics
- Sequential degrees are available

BRANDEIS UNIVERSITY
The Rabb School of
Continuing Studies

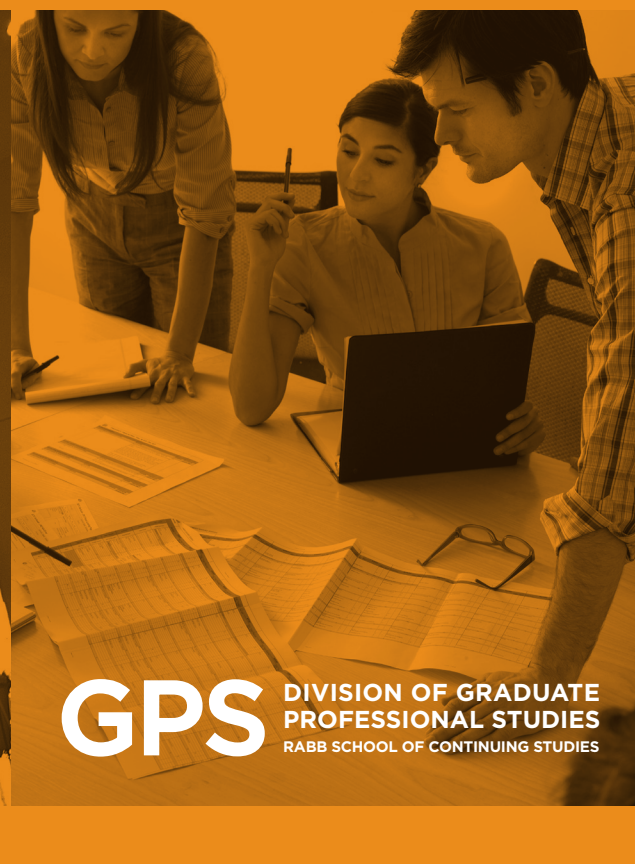
Division of Graduate
Professional Studies

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MASTER OF SCIENCE IN
Information Assurance

GRADUATE CERTIFICATE IN
Information Assurance



GPS DIVISION OF GRADUATE
PROFESSIONAL STUDIES
RABB SCHOOL OF CONTINUING STUDIES

It is the policy of Brandeis University not to discriminate against any person on account of race, color, ancestry, religious creed, gender, national or ethnic origin, sex, sexual orientation, age, genetic information, disability, veteran status, or any other category protected by federal or state law. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Vice President of Human Resources, Stony Brook building, 781-736-4464.

**BRANDEIS
UNIVERSITY**

www.brandeis.edu/gps

INFORMATION ASSURANCE

The field of information assurance (IA) involves securing cyberspace and global information infrastructures, emphasizing strategic risk management over tools and tactics. IA addresses reliability and governance issues such as privacy, compliance, audits, business continuity, and disaster recovery. The field draws from multiple areas, including fraud examination, forensic science, military science, management science, systems engineering, security engineering, criminology, and computer science.

PROGRAM OUTCOMES

Graduates of this program 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 IT tools designed to protect against threats facing organizations
- Assess the impact of security policies on existing systems and objectives while simultaneously considering regulatory requirements and compliance
- Oversee the IA lifecycle of an organization, including planning, acquisition, development, and evolution of secure infrastructures

PROGRAM ADVANTAGES

- Provides a unique emphasis on the policy, management, and technology aspects of information security and risk management
- Equips students with the ability to combat organizational threats via IA solutions including strategic risk management and enterprise-wide information assurance
- Curriculum covers the IT Security Essential Body of Knowledge

PROGRAM DELIVERY

The master's degree and graduate certificate are offered online only. Select elective courses are offered on campus.



"The courses exceeded my expectations. They gave me confidence to provide insight on the project I am involved with, particularly the steps to create an IA framework."
(David Chu, Information Assurance)

MASTER'S DEGREE REQUIREMENTS

REQUIRED COURSES

- Applied Cryptography and Access Control
- Foundations of Information Assurance
- IT Security and Compliance
- Network Security

ELECTIVE COURSES *(Minimum of four elective courses from this list)*

- Computer Networks and Data Communications
- Information Technology Forensics and Investigations
- Leadership, Team Building, and Decision-Making
- Legal and Ethical Practices in IT
- Principles of Incident Response and Disaster Recovery
- Securing Applications, Web Services, and SOA
- Security Testing and Auditing

ADDITIONAL ELECTIVE COURSES

Students may choose up to two additional electives from any of the programs currently offered by the Division of Graduate Professional Studies. While there are no restrictions on electives, students must meet course prerequisites for any electives they choose.

Refer to www.brandeis.edu/gps/programscourses/courselist for a complete listing of courses and prerequisites.

GRADUATE CERTIFICATE

A credit-bearing graduate certificate in information assurance may be earned as a stand-alone credential. Refer to our Web site at www.brandeis.edu/gps/programscourses/programs/ias for more details.

ADMISSIONS

Information regarding admission requirements, policies, and procedures may be found at www.brandeis.edu/gps/apply.

CURRENT INFORMATION

Our programs and courses evolve along with the industry. Be sure to check our Web site at www.brandeis.edu/gps/programscourses for the most up-to-date listing of courses and requirements.