

INFORMATION SECURITY AND ASSURANCE GRADUATE CERTIFICATE

Banner Code: EC-CERG-ISA

Academic Advising

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Website: cs.gmu.edu/prospective-students/ms-programs/graduate-certificates/

This graduate certificate program is intended for students interested in science and methods for ensuring secrecy, integrity, availability, and legitimate use of information systems. The certificate may be pursued concurrently with any of the graduate programs in the College of Engineering and Computing.

This graduate certificate may be pursued on a full-or part-time basis

Admissions & Policies

Admissions

Applicants must hold a baccalaureate degree from an accredited institution and have earned a GPA of 3.00 or higher in the last 60 credits.

Applicants must possess knowledge equivalent to that provided by the following courses:

Code	Title	Credits
INFS 501	Discrete and Logical Structures for Information Systems	3
SWE 510	Object-Oriented Programming in Java	3
INFS 515	Computer Organization Course and Operating Systems	3
INFS 519	Program Design and Data Structures	3

Students must also possess the equivalent knowledge of CS 555 Computer Communications and Networking and CS 571 Operating Systems, or the prerequisite courses required for the selected electives. Students not enrolled in a graduate degree program at Mason should apply for the certificate program through Graduate Admission. Students already enrolled in a Mason graduate degree program should apply to the department for admission into the certificate program. Admission into the certificate program does not guarantee acceptance into any MS program.

Policies

For policies governing all graduate certificates, see AP.6.8 Requirements for Graduate Certificates (<http://catalog.gmu.edu/policies/academic/graduate-policies/#ap-6-8>).

Requirements

Certificate Requirements

Total credits: 12

This certificate may be pursued on a full-or part-time basis.

Students must complete 12 credit hours (four courses) with an average GPA of 3.0 or higher.

Required Courses

Code	Title	Credits
ISA 562	Information Security Theory and Practice	3
ISA 656	Network Security	3
Total Credits		6

Additional Courses

Code	Title	Credits
Select two courses from the following:		6
ISA courses at the 600 and 700 level (http://catalog.gmu.edu/courses/isa/) ¹		
ISA 564	Security Laboratory	
Total Credits		6

¹ Excluding ISA 697 Topics in Information Security, ISA 796 Directed Readings in Information Security, ISA 797 Advanced Topics in Information Security, and ISA 798 Research Project.