

# INFORMATION SECURITY AND ASSURANCE GRADUATE CERTIFICATE

Banner Code: VS-CERG-ISA

## Academic Advising

Phone: 703-993-1530  
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 Website: cs.gmu.edu/prospective-students/ms-programs/graduate-certificates/

This graduate certificate program is 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 Volgenau School.

The graduate certificate may only be pursued on a 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. In addition, applicants must complete a self-assessment form, which can be obtained from the Computer Science Department. This form provides summary information concerning background and preparation for the program.

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

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 the Office of 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.

## Requirements

### Certificate Requirements

Total credits: 12

Students must complete four courses with an average grade of B or better for a total of 12 credits of graduate study.

### Required Courses

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

### Additional Courses

Select two courses from the following:		6
ISA courses at the 600 and 700 level <sup>1</sup>		
ISA 564	Security Laboratory	
Total Credits		6

<sup>1</sup> 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.