INFORMATION SECURITY AND ASSURANCE GRADUATE CERTIFICATE

Banner Code: VS-CERG-ISA

Academic Advising
Phone: 703-993-1530
Email: csgrad@gmu.edu
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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISA 562</td>
<td>Information Security Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>ISA 656</td>
<td>Network Security</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 6

Additional Courses
Select two courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISA courses at the 600 and 700 level</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>ISA 564</td>
<td>Security Laboratory</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 6

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.