MANAGEMENT OF SECURE INFORMATION SYSTEMS, MS
(SCHOOL OF BUSINESS)

Banner Code: BU-MS-MSIS

Graduate Program Office
Phone: 703-993-2136
Email: cyber@gmu.edu

Administration

• Candace Deans, Director, MS in Technology Management Program
  & Co-Academic Director, MS in Management of Secure Information
  Systems Programs

The degree, an interdisciplinary program offered by the Volgenau School
of Engineering, the School of Business, and the Schar School of Policy
and Government, prepares professionals for the challenges of modern
computerized information systems that have become increasingly
complex and vulnerable to cyber-attacks, resulting in a significant number
of government regulations. Consequently, those responsible for the
safe, secure, and efficient operation of such systems need to grasp their
technical aspects and be familiar with both the principles of management
and the public policy impact of regulatory and organizational decisions.

Admissions & Policies

Admissions
All students must have graduate standing. Non-degree student status is
not available.

Full eligibility and admission requirements can be viewed online (http://
business.gmu.edu/cyber-security-degree/admissions).

Requirements

Degree Requirements
Total credits: 36

Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSEC 510</td>
<td>Foundations of Cyber Security</td>
<td>2</td>
</tr>
<tr>
<td>MSEC 511</td>
<td>Security Practices in the Enterprise</td>
<td>2</td>
</tr>
<tr>
<td>MSEC 520</td>
<td>Networking Principles</td>
<td>2</td>
</tr>
<tr>
<td>MSEC 620</td>
<td>Networking Security</td>
<td>2</td>
</tr>
<tr>
<td>MSEC 630</td>
<td>Secure Information System Governance,</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Regulation, and Compliance</td>
<td></td>
</tr>
<tr>
<td>MSEC 641</td>
<td>Enterprise Security Threats</td>
<td>1</td>
</tr>
<tr>
<td>MSEC 642</td>
<td>Enterprise Security Technologies</td>
<td>2</td>
</tr>
<tr>
<td>MSEC 650</td>
<td>Seminar: Enterprise Security Case Studies</td>
<td>1</td>
</tr>
<tr>
<td>PUBP 610</td>
<td>Organizations, Management, and Work:</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Theory and Practice</td>
<td></td>
</tr>
<tr>
<td>PUBP 611</td>
<td>Critical Infrastructure Protection in Theory,</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Policy and Practice</td>
<td></td>
</tr>
<tr>
<td>MSIS 611</td>
<td>Leadership and Change Management</td>
<td>2</td>
</tr>
</tbody>
</table>

MSIS 614  Financial and Cost Accounting  2
MSIS 620  Economics of Technology Management  2
MSIS 635  Decision Models and Methods  2
MSIS 643  Managerial Finance  2
MSIS 747  Enterprise Information Security Audit  2
MSIS 735  Capstone Project  3
  or MSEC 720  Capstone Project in Management of Secure
     Information Systems
MSIS 750  Global Practices in Security of
     Information Systems  3
  or MSEC 710  Global Residency

Total Credits  36