

# MANAGEMENT OF SECURE INFORMATION SYSTEMS, MS (SCHAR)

**Banner Code:** BU-MS-MSIS

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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.

|                      |  |           |
|----------------------|--|-----------|
| 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   |           |
| <b>Total Credits</b> |  | <b>36</b> |

## 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

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