# Program Approval Form

For approval of new programs and deletions or modifications to an existing program.

## Action Requested:
- [x] Modify Existing (check ALL that apply)
- [ ] Create New (SCHEV approval required except for minors)
- [ ] Inactivate Existing

## Title (SCHEV approval required except for minors)

- Concentration (Choose one):
  - [ ] Add
  - [ ] Delete
  - [ ] Modify

## College/School:
VSE

## Submitted by:
Jennifer Storckawski-Ross

## Department:
MSIS

## Ext.
1499

## Email:
iskoraw@gmu.edu

## Effective Term:
Fall 2016

Please note: For students to be admitted to a new degree, minor, certificate or concentration, the program must be fully approved, entered into Banner, and published in the University Catalog.

**Changes are to provide a more appropriate MSE curriculum & meet student needs**

## Program Title: (Required)
Title must identify subject matter. Do not include name of college/school/dept.

## Concentration(s):

<table>
<thead>
<tr>
<th>Existing</th>
<th>New/Modified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Management of Secure Information Systems, MS (VSE)</td>
<td>Please see attached.</td>
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</tbody>
</table>

**Degree Requirements:**
Consult University Catalog for models, attach separate document if necessary using track changes for modifications.

| Courses offered via distance: (if applicable) | 36-37 credits |

**TOTAL CREDITS REQUIRED:**

*For Certificates Only: Indicate whether students are able to pursue on a
- [ ] Full-time basis
- [x] Part-time basis

## Approval Signatures

- [Signature]

## If this program may impact another unit or is in collaboration with another unit at Mason, the originating department must circulate this proposal for review by those units and obtain the necessary signatures prior to submission. Failure to do so will delay action on this proposal.

## For Minors and UG Certificates only (Cross-College Curriculum Committee Approval)

**C3 Committee Member**

**Provoast Office**

**C3 Committee Approval Date**

## For Graduate Programs Only

**Graduate Council Member**

**Provoast Office**

**Graduate Council Approval Date**
Banner Code: BU-MS-MSIS

Phone: 703-993-1880
Email: cyber@gmu.edu

The Executive Management of Secure Information Systems MS, an interdisciplinarily multidisciplinary program offered by the Volgenau School of Engineering, the School of Business, and the School of Policy, Government, and International Affairs; 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.

The program is run as a cohort with no electives. The entire program has a duration of 16 months including about seven days of study abroad, which is included in the tuition. Applicants to the program are expected to have at least three years of full-time relevant work experience.

**MS-MSIS Admission Requirements**

Applicant requirements include:

- Application form and application fee.
- A bachelor’s degree from a recognized university or an approved institution, recognized qualifications equivalent to a degree.
- Official copy of transcripts from all colleges and universities attended in the United States and abroad.
- Two professional letters of recommendation.
- Goals statement (statement of how and why applicants would benefit from the program).
- A current resume.
- English proficiency standards as required of all Mason graduate students. In particular, applicants who have earned a bachelor’s, masters, or doctoral degree from a regionally accredited university in the United States, Canada (excluding province of Quebec), United Kingdom, Ireland, Australia, and New Zealand are considered to have met that standard. All other applicants are required to take an English proficiency examination and meet minimum scores set by Mason in order to be considered for admission. The TOEFL or IELTS exams can be used to meet this requirement. The minimum scores are: TOEFL: IBT (88 total with 20 points minimum in each section); CBT (230); and PBT (570); IELTS – Academic: 6.5 total band score.
- GMAT (recommended score: the mean GMAT scores of an entering class should meet or exceed 550 with an individual minimum of 500) or GRE (recommended score: 308). The GMAT or GRE may be waived if the applicant’s record demonstrates the ability to succeed in a competitive and quantitative program.
- A minimum of three years of significant full-time work experience is required.

**MS-MSIS Degree Requirements**
Students are responsible for familiarization and compliance with the Academic Policies in this catalog.

Required Courses (36-37 credits)

- MSEC 510 - Foundations of Cyber Security Credits: 2
- MSEC 511 - Security Practices in the Enterprise Credits: 2
- MSEC 520 - Networking Principles Credits: 2
- MSEC 620 - Networking Security Credits: 2
- MSEC 630 - Secure Information System Governance, Regulation, and Compliance Credits: 2
- MSEC 640 - Privacy and Ethics in an Interconnected World Credits: 2
- MSEC 641 - Enterprise Security Threats Credits: 1
- MSEC 642 - Enterprise Security Technologies Credits: 2
- MSEC 650 - Seminar: Enterprise Security Case Studies Credits: 1
- PUBP 610 - Organizations, Management, and Work: Theory and Practice Credits: 2
- PUBP 611 - Critical Infrastructure Protection in Theory, Policy and Practice Credits: 2
- MSIS 611 - Leadership and Change Management Credits: 2
- MSIS 614 - Financial and Cost Accounting Credits: 2
- MSIS 620 - Economics of Technology Management Credits: 2
- MSIS 641 - Innovation, Commercialization and Entrepreneurship Credits: 2
- MSIS 643 - Managerial Finance Credits: 2
- MSIS 711 - Deriving Strategic Value from IT Investments Credits: 2
- 3 credits of MSIS 735 - Capstone Project Credits: 1-3 or

MSEC 720 - Capstone Project in Management of Secure Information Systems Credits: 1-3

- 3 credits of MSIS 750 - Global Practices in Security of Information Systems Credits: 1-3 or

MSEC 710 - Global Residency Credits: 1-4