INFORMATION SESSION FOR MSIT - CYBERSECURITY in D.C.

Master of Science in Information Technology
(Information Security & Assurance)

Part-time ~ Hybrid Online & Onsite in DC
for experienced cybersecurity professionals

Allison Frankoski, Program Director
www.heinz.cmu.edu/msit
Today’s Agenda

- Welcome!
- Why Heinz College for Information Security Education?
- MSIT Program Details
- Admissions Application Details
- Chat during and Q&A after
About Heinz College

One college, two schools and then some:
• School of Information Systems and Management
• School of Public Policy and Management
• Joint degrees with College of Fine Arts
• Locations in Washington DC, Los Angeles CA and Adelaide, Australia

Top-ranked Graduate Education in:
• #1 in Information and Technology Management (since 2005 by US News&WR)
• #1 in Cyber Security by universities.com, 2016
• #1 in Analytics – 2016 UPS George D. Smith Prize by INFORMS
• MSIT named #1 Online Masters in IT by thebestschools.org, successfulstudent.org

CMU is a designated National Center of Academic Excellence in Cybersecurity by NSA/DHS.

Only university with a FFRDC on-campus, the Software Engineering Institute (SEI).

SEI technical staff are also faculty in our infosec graduate programs.
HEINZ COLLEGE

School of Information Systems and Management

• **Practical, relevant coursework; immediate ROI as you apply learning at your job**

• Develop **leaders** who can **apply technology and analytics in innovative ways** to achieve business goals

• Be a Problem Solver. **Make an impact!**
**HEINZ COLLEGE: Information Security Education**

*NEW IN FALL 2021*

**MS in Information Technology – Information Security & Assurance (MSIT-ISA)**
- **PART-time, 2 years**
- **Online with IN-PERSON WEEKENDS IN DC every other month**
- **Small cohort starts every Fall**
- **Focused curriculum on cybersecurity**
- **For experienced professionals; typically 5-15 years**

**MS in Information Technology – Information Security & Assurance (MSIT-ISA)**
- **PART-time, 2-3 yrs**
- **Fully Online OR Hybrid of online and on-campus evening classes in Pittsburgh**
- **Not a cohort; students can begin any semester**
- **For experienced professionals; typically 5-15 years**

**MS in Information Security Policy & Management (MSISPM)**
- **FULL-time, 2 years**
- **On-campus**
- **Cohort every Fall**
- **Experiential learning, internship**
- **Qualifies for STEM OPT**
- **For experienced professionals; typically 5-15 years**

**Executive Education CISO, CRO, CIO Certificates**
- **PART-time, 6 mo**
- **Online with periodic on-campus sessions in Pittsburgh**
- **Small cohorts**
- **For senior and executive professionals; typically over 15 years**

**IT Lab: Summer Security Intensive (IT Lab:SSI)**
- **FULL-time, summer**
- **Free 7-week fellowship**
- **Courses, stipend**
- **Prepares rising college seniors for cyber security field and graduate study**
Why MSIT-Cybersecurity in DC?

Developing and Connecting Tomorrow’s Cyber Leaders!

- Online and onsite education infused with hands-on practice
- Format tailored to infosec professionals in the DC region
- Access to leading experts in the field - faculty and DC speakers
- A close-knit cohort and community of peers while expanding your professional network and lifelong connections
MSIT-Cybersecurity in DC

• Relevant work experience is essential and leveraged

• Convenient online classes with asynchronous & live sessions

• **Cohort or lock-step program with 20-25 students**
  - Cohort begins every Fall semester – INAUGURAL CLASS STARTS FALL 2021
  - Follow prescribed plan of study of two courses at a time, year-round (Fall/Spr/Sum)
  - Classes will be online with mostly asynchronous and some live online sessions
  - Onsites in DC will be one weekend (FRI-SAT) roughly every other month

• **Graduate within 2 years of PART-TIME study**
  - Take 24 units per semester; equivalent of two classes/semester
  - That 24 units will be combos of 6 unit (half-semester) and 12 unit (semester) classes
  - **Budget 12 hours of your time per week per class**, includes 3 hrs of lecture per week
  - This program meets federal student loan eligibility for “half-time status”
MSIT Class Formats

Online
- Asynchronous lecture videos: pre-recorded, on-demand
- Live online interactive sessions for some lectures, office hours, student presentations, and guest speakers
- Virtual Classroom in Canvas

Onsite in DC
- CMU Heinz College in Hall of States, 444 N Capitol St NW
- One weekend every other month to kick-off/wrap-up classes
- FRIDAYS 1-5 PM for classes
- FRIDAY EVENING DINNER & SPEAKER SERIES 5-7 PM
- SATURDAYS 9 AM-4 PM for classes
CURRICULUM

YEAR 1 - Fall Semester
Intro to Information Security Management
Digital Transformation
Privacy in the Digital Age

YEAR 1 - Spring Semester
Security in Cyber & Info-Enabled World
Cloud Security
Cybersecurity Policy & Governance
Software and Security

YEAR 1 - Summer Semester
Cryptography
Information Security Risk Management
Business of Cyber
IT Project Management

YEAR 2 - Fall Semester
Network and Internet Security
Applied Threat Analysis
Network Defenses

YEAR 2 - Spring Semester
Organizational Design & Implementation
Ethical Penetration Testing
Emerging Tech: Security Innovation
Malicious Code Analysis

YEAR 2 - Summer Semester
Security Capstone
Lifelong Connections!

- Commencement – it’s just the beginning!
- Networking Opportunities with students & alumni
- MSIT Summer Leadership Symposium
- Lifelong Career Services from Heinz College
- Upskill with Heinz Alumni Rate on future courses and executive edu
MSIT Application Criteria:

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<tr>
<th>Application Deadline</th>
<th>Expected Start Semester</th>
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<td>July 1, 2021</td>
<td>FALL – Begins August 30, 2021</td>
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PREREQUISITES TO APPLY:

- **Work Experience:** Minimum 3 years of full-time, professional experience.
- **Bachelor’s degree** or international equivalent.

See [Application Checklist](#) for details!

OPTIONAL in 2021 DUE TO COVID

CONTACT: Heinz College Admissions Office
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MSIT CONTACTS

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Any questions?