Welcome to our Online Session

Master of Science in Information Technology
Part-time Study Program

MSIT

October 2017

Allison Frankoski, Director of MSIT Program
Amy Seymour, Associate Director of Admissions
Amy Seymour
Associate Director of Admissions

Master of Public Management – May ’17

aseymour@andrew.cmu.edu
Agenda

• Carnegie Mellon University & Heinz College
• MSIT Program Overview
• Admissions & Scholarships
• Next Steps
The GoToWebinar Attendee View

Carnegie Mellon University
Heinz College

Heinz College Admitted Student Information Session: MSPPM (Pittsburgh & DC Tracks)

Organizer: Brad Stephenson | Presenter: Brad Stephenson

Audio: Use your microphone and speakers (VoIP) or call in using your telephone.

Audio Mode: ☐ Use Telephone ☑ Use Mic & Speakers

MUTED

Questions

[Enter a question for staff]

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  - Please ask each question only one time
  - We will respond as quickly as possible
- Recording of today’s Presentation and presentation slides will be posted online
About Carnegie Mellon and Heinz College...

- Number of Students:
  - CMU - 12,000
  - Heinz College: 1,500
  - MSIT: 160

- Interdisciplinary strengths:
  - Computer science and engineering
  - Management and policy
  - Data analytics
Heinz College Master’s Programs

School of Public Policy & Management
- Arts Management
- Entertainment Industry Management
- Health Care Policy and Management
- Public Policy and Management

School of Information Systems & Management
- Information Systems Management
- Information Technology (part-time)
- Information Security Policy and Management
Master of Information Technology

Allison Frankoski
MSIT Program Director
Information Session

for

Master of Science in Information Technology (MSIT)

Part-time, online degrees in IT management, cybersecurity, data analytics or software management
Today’s Agenda

- About Carnegie Mellon University
- About Heinz College
- About MSIT Degree
  - 4 Majors
  - Flexible format
  - Curriculum
  - Online course experience
- Admissions Information
- Questions and Contact Info

“Walking to the Sky”
WELCOME TO CARNEGIE MELLON!

School of Computer Science #1
[Online Software Engineering Degrees]

Tepper School of Business
#2 Online MBA

College of Fine Arts #6

Dietrich College of Humanities
& Social Science
#5 in Cognitive Psych

Mellon College of Science
#9 in Statistics

College of Engineering #5

Heinz College of Information Systems and Public Policy
#1 Info & Tech Management – [Online MSIT]
CMU Drives Smart Mobility Challenge

Heinz College
Dean Krishnan
Discusses Smart Mobility at Consumer Electronics Show

Heinz College Professor Acquisti Delivers Call To Action at NSF Meeting on Cybersecurity, Privacy

Carnegie Mellon Academy for Women Wins Top Honor

Al Ethics Experts Propose Driverless Car Regulations Similar To Drug Approval Process

CMU’s Proportion of Undergraduate Women in Computer Science and Engineering Soars Above National Averages

BrainHub: Researchers Discover Neuronal Targets That Restore Movement in Parkinson’s Disease

CMU Technology Wins Le Monde International Smart Cities Competition

CMU’s Flu Forecasts Prove Most Accurate, according to U.S. CDC

Watch RoadBotics featured on: PBS NEWSHOUR

Uptake Donates $1 Million for "Machine Learning for Good"

14 Alumni Earn 17 Emmy Nominations
“Educating men and women for intelligent action.” – founding Dean William Cooper

About Heinz College

One college, two graduate schools:
• School of Information Systems and Management
• School of Public Policy and Management

Systems Analytic Approach – blends technology, policy, analytics and management

Heinz College Offers Top-ranked Graduate Education:
• #1 in Information and Technology Management (since 2005 by US News & World Report)
• #1 in Cyber Security by universities.com, 2016
• #1 in Analytics – winner of the 2016 UPS George D. Smith Prize by INFORMS
• Joint major in Software Management with #1 CS School
• MSIT named #1 Online Masters in IT by thebestschools.org
HEINZ COLLEGE

School of Information Systems and Management

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

• Develops leaders who can apply technology and analytics in innovative ways to achieve business goals and make an impact

• Be a Problem Solver!
PART-TIME MASTER’S DEGREES DESIGNED FOR EXPERIENCED, TECH-SAVVY PROFESSIONALS

MASTER OF SCIENCE IN INFORMATION TECHNOLOGY

CHOICE OF 4 MAJORS – ALL PART-TIME & ONLINE:

- MSIT – Information Technology Management
- MSIT – Information Security & Assurance
- MSIT – Business Intelligence & Data Analytics
- MSIT – Software Design & Management
Part-time master’s degrees designed for experienced, tech-savvy professionals

- Relevant work experience is essential
- Convenient online classes
- **Not** a cohort or lock-step program
  - Begin in any semester *(January, May, and August)*
  - Choose the course(s) and credit load that works best for you each term
- **Graduate within 2-3 years of PART-TIME study**
  - 6 unit and 12 unit classes offered year round in 3 semesters
  - Take 0-30 units per semester; maximum 5 years to finish
  - **Budget 12 hours of your time/effort each week**, includes 3 hours of lecture per week
  - Students applying for **federal student loans must take at least 18 units** to qualify for “half-time status”
Part-time master’s degrees designed for experienced, tech-savvy professionals

- Flexible, customizable curriculum
  - 60 units of core (specific to major)
  - + 84 units of electives
  - = 144 units total

1 unit ≠ 1 credit! 1 semester-long class = 12 units (equivalent to 4 credits)

Core exemptions and transfer credit are allowed. Either of these can change the 60/84 distribution.

No thesis or capstone project required. Practice and apply on the job as you go through the degree program.
<table>
<thead>
<tr>
<th>PROGRAMMING PREREQUISITE (for application)</th>
<th>MSIT - Information Technology Management</th>
<th>MSIT - Information Security and Assurance</th>
<th>MSIT - Business Intelligence and Data Analytics</th>
<th>MSIT - Software Design and Management (Online launching in 2018)</th>
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<tbody>
<tr>
<td>Undergrad level OO programming class or equivalent work experience (Java preferred)</td>
<td>No programming required but familiarity with Python or Java is recommended</td>
<td>No programming required but familiarity with Python or R is recommended</td>
<td>College level OO course and minimum two years of recent OO programming work experience (Java preferred)</td>
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| CORE – 60 units | | | | |
|----------------|----------------|----------------|----------------|
| Database Management | Intro to Information Security Management | Database Management | Database Management |
| Object Oriented Programming in Java | Telecommunications Management | Statistics for IT Managers | Data Structures and Algorithms |
| Telecommunications Management | Network and Internet Security | Economic Analysis | Object Oriented Analysis and Design |
| E-Business Technology and Management | Software and Security | Privacy in the Digital Age | IT Project Management |
| Object Oriented Analysis and Design | Information Security Risk Management | Data Warehousing | Managing Software Development |
| IT Project Management | Privacy in the Digital Age | Exploring and Visualizing Data | Architectures for Software Systems |
| Cybersecurity Policy & Governance | | Data Mining | |
| | | Applied Data Science | |
| | | Advanced Business Analytics | |
| | | | |

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<th>ELECTIVES – 84 units</th>
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<tr>
<td>e.g. Digital Transformation, IT Sourcing &amp; Automation, Financial Accounting, Strategy Development</td>
<td>e.g. Cryptography, Linux &amp; Open Source, Python Programming, Ethical Penetration Testing, Applied Threat Analysis</td>
<td>e.g. Decision Making Under Uncertainty, Business Process Modeling, R Programming, NoSQL Databases, GIS</td>
<td>e.g. Linux &amp; Open Source, Cloud Computing, Intro to Human-Computer Interaction, Tech Startup: Market Discovery</td>
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<th>CAPSTONE/THESIS</th>
<th>None</th>
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www.heinz.cmu.edu/msit
MSIT Online Classes:

- **Campus lecture capture** technology – streamed for on-demand viewing
- **Asynchronous** – lectures are available anytime/anywhere; they are not live classes
- **Live chats or web conferences** may be required – guest speakers, student presentations, etc.
- **Canvas** is your virtual classroom space for all your course materials, lectures, communications and transmitting assignments
- **Faculty same as on-campus** - tenured, full-time, adjuncts, and industry speakers
- Expect to do same kinds of **assessments** as on campus students
- **No campus residency required** – but visit whenever you can!
Sláinte

COMMENCEMENT

CAREER SERVICES
MSIT PROGRAM RECAP:

- Top-ranked graduate education
- Rigorous and practical coursework
- Designed for the working professional
  - Curriculum leverages work experience
  - Flexible online format
  - 2-3 years of part-time study
- One-on-one advising and personal student service
- Over 15 years of proven success in distance education!

MSIT Tuition is $495/unit.

Most students take 12-18 units per semester.

Scholarships Available!
MSIT Application Criteria

Application Deadlines | Expected Start Semester
--- | ---
November 1, 2017 | SPRING – Begins January 16, 2018
April 1, 2018 | SUMMER – Begins May 21, 2018
July 1, 2018 | FALL – Begins August 27, 2018

PREREQUISITES TO APPLY:
Minimum 3 years of full-time, professional **work experience** and **bachelor’s degree** or international equivalent.

Some **prior programming experience** may be required depending on MSIT major selected.

CONTACT Heinz College Admissions Office: **hnzdmit@andrew.cmu.edu** or 1.412.268.2164
Contact Information

Allison Frankoski
Director, MSIT Program, Heinz College
allison@cmu.edu
+1.412.268.8983
www.heinz.cmu.edu/msit
Admissions & Scholarships
Work Experience is required

Relevant Professional Post-undergrad experience

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<tr>
<th>Minimum Work Experience Required</th>
<th>Average Work Experience of Admitted Students</th>
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<td>3 years</td>
<td>10 years</td>
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Free Online Application

- Official transcripts (USA) /Official Transcript Evaluations (International)
- Two (2) letters of recommendation
- Resume
- Written Essay
- Official GRE or GMAT scores
- Official TOEFL or IELTS scores (non-native English speakers)
- Optional Essay
- Optional Video Interview (recommended)
Characteristics of Successful Applicants

- Commitment, leadership
- Clearly defined goals for graduate education
- Relevant experience and education
- Demonstrated potential for academic success
- Competitive test scores
Application Deadlines

January start – Nov 1 deadline
May start – April 1 deadline
August start – July 1 deadline
Most Students Receive a Scholarship

- Government or Non-Profit Employment Scholarships
- U.S. Military Veterans Scholarships
- Regional Leader Scholarships
- MSIT-Women in Technology Fellowship
- MSIT Program Scholarship
- Yellow Ribbon Program/Veterans Benefits
- External Scholarships

Average Scholarship
25% of Tuition
Financial Aid Representatives are here to help you

- U.S. Federal Aid (18 units/semester minimum)
- Private loans
- TMS Payment Plan
- Heinz College Financial Aid representatives
  - Accessible
  - Experienced
  - Knowledgeable
Want to learn more about us?

Fall Visitation weekend
October 27-28, 2017

Online information sessions
- LIVE Student Panel session upcoming
Thank you for joining us today

Admissions Questions
1.412.268.2164
hnzadmit@andrew.cmu.edu

Allison Frankoski, Program Director
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