Prospective Student
Information Session
November 2014

Master of Science in Information Technology (MSIT)
Part-time and Distance Study
The GoToWebinar Attendee View
How to Participate Today

- Open and close your Panel
- View, Select, and Test your audio
- Submit text questions
- Q&A addressed during and at end of session
- Presentation slides and recorded will be available following the session
Prospective Student
Information Session
November 2014

Master of Science in Information Technology (MSIT)
Part-time and Distance Study

Degree Program Office:
Allison Frankoski, Director of MSIT Program

Office of Admissions:
Amy Seymour, Associate Director of Admissions
Agenda

• Carnegie Mellon University & Heinz College
• MSIT Program Overview
• Admissions & Financial Aid
• Discussion of Questions
About Carnegie Mellon and Heinz College...

- Main campus in Pittsburgh, Pennsylvania
- 12,000 students at CMU
- 1400 students at Heinz College
  - Other locations: Australia, DC, LA
  - 170 students Distance-learning (MSIT)
- Interdisciplinary strengths
  - Computer science and engineering
  - Management and policy
  - Data analytics
  - Visual and Performing Arts
DEGREE PROGRAM
Master of Science in Information Technology (MSIT)

Part-time Evening and Distance Programs* for Experienced IT Professionals

* This presentation is not intended for potential students to our customized programs for General Motors employees or our dual degree program with Tec de Monterrey. Nor does this information apply to other CMU departments offering other MSIT degrees.

Allison Frankoski, Program Director
Heinz College - Integrated ISM curriculum

- Builds strong **technical, analytical and quantitative** skills
- Application of those skills from a **strategic management and policy** perspective within IT domain
- **Practical, relevant coursework**; immediate ROI as you apply learning at your job
- Develops IT leaders who can **apply technology in innovative ways** to achieve business and organizational goals

Strategy & Policy
Technology
Management
School of ISM

Carnegie Mellon University
Heinz College
MSIT Degrees Available for Open Enrollment*:

- **MSIT-IT Management** *(evening, distance)*

- **MSIT-Information Security & Assurance** *(evening, distance)*

- **MSIT-Software Design & Management** *(evening only)*
  - For a distance option, see the [School of Computer Science](#).

- **MSIT-Business Intelligence & Data Analytics**
  - Just launched January 2014 – primarily distance only

* Must pick degree and primary delivery mode/location during application phase. Evening students may need to take an occasional distance class to fulfill core course requirements.
The Heinz MSIT Offers...

➢ Part-time only programs designed for the experienced IT professional

  • Relevant work experience is essential

  • Evening and distance formats
    ➔ Remain employed while completing your graduate degree from Pittsburgh or anywhere in the world, except Alabama, Arkansas and Minnesota.

  • 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

  • Flexible curriculum
    ➔ Small set of core specific to your degree
    ➔ More than half the program open as electives to fill in work/education gaps to date and direct your career path going forward.

*Let’s look more closely at the curriculum...*
MSIT Curriculum

Flexible & customizable

- **60 units core** (degree-specific) + **84 units electives** = **144 units total**
  
  - 1 unit ≠ 1 credit! 1 semester-long class = 12 units (equivalent to 3-4 credits)

- **No thesis** or capstone project required

- MSIT allows **core exemptions** and **transfer credit** (evaluated after admission)
  
  - Either of these can change the 60/84 distribution.

- **Graduate within 2-3 years of PART-TIME study; maximum 5 years**
  
  - Classes offered year round in 3 semesters
  - 0-30 units per semester allowed
  - We offer 6 unit and 12 unit courses
  - Each course will expect on average 12 hours of your time/effort each week, including 3 hours of lecture per week.
  - Students applying for federal student loans must take at least 18 units to qualify for “half-time status”.

---

Carnegie Mellon University

Heinz College
## MSIT Core Courses by Degree (60 units)

<table>
<thead>
<tr>
<th>MSIT-Information Technology Management (evening &amp; distance)</th>
<th>MSIT-Information Security and Assurance (evening &amp; distance)</th>
<th>Launched January 2014! MSIT-Business Intelligence and Data Analytics (evening &amp; distance)</th>
<th>MSIT-Software Design and Management (evening only**)</th>
</tr>
</thead>
<tbody>
<tr>
<td>95-703 Database Management (12 units)</td>
<td>95-705 Telecommunications Management (12 units)</td>
<td>95-703 Database Management (12 units)</td>
<td>95-703 Database Management (12 units)</td>
</tr>
<tr>
<td>95-712/95-807 Object Oriented Programming in Java (12u)</td>
<td>95-752 Intro to Information Security Management (12u)</td>
<td>95-796 Statistics for IT Managers (6u)</td>
<td>95-771 Data Structures and Algorithms (12u)</td>
</tr>
<tr>
<td>95-705 Telecommunications Management (12u)</td>
<td>95-769 Network Security Analysis (12u)</td>
<td>95-797 Data Warehousing (6u)</td>
<td>95-706 Object Oriented Analysis and Design (6u)</td>
</tr>
<tr>
<td>95-730 E-Business Technology and Management (12u)</td>
<td>95-753 Internet Security (6u)</td>
<td>94-806 Privacy in the Digital Age (6u)</td>
<td>95-808 IT Project Management (6u)</td>
</tr>
<tr>
<td>95-706 Object Oriented Analysis and Design (6u)</td>
<td>95-756 Info Security Risk Analysis (6u)</td>
<td>95-791 Data Mining (6u)</td>
<td>17-653 Managing Software Development (12u)</td>
</tr>
<tr>
<td>95-808 IT Project Management (6u)</td>
<td>94-806* Privacy in the Digital Age (6u)</td>
<td>95-852 Analytics &amp; Business Intelligence (6u)</td>
<td>17-655 Architectures for Software Systems (12u)</td>
</tr>
<tr>
<td>95-761* Cybersecurity in Critical Infrastructure Protection (6u)</td>
<td>95-866 Advanced Business Analytics (capstone class) (6u)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* New security core changes effective Fall 2013
** For a distance option in the software engineering area, see the School of Computer Science.
# MSIT Sample Electives* (pick 84 units)

<table>
<thead>
<tr>
<th>Focus on Technology / Info Systems</th>
<th>Focus on Policy /Management</th>
<th>Other Elective Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>95-774 Business Process Modeling</td>
<td>95-841 Information Assurance Policy</td>
<td>Independent study – create your own course, up to 12 units</td>
</tr>
<tr>
<td>95-797 Data Warehousing</td>
<td>95-833 or 95-837 Global IT Management &amp; Sourcing</td>
<td>Core courses from other MSIT degrees <em>(does not give 2nd degree!)</em></td>
</tr>
<tr>
<td>95-704 or 95-781 Advanced Database</td>
<td>95-810 Managing in a Virtual Environment</td>
<td>Distance courses from HCI &amp; Software Engineering departments</td>
</tr>
<tr>
<td>95-797 Geographic Information Systems</td>
<td>95-760 Decision Making Under Uncertainty</td>
<td>Campus students can take grad classes in other CMU departments</td>
</tr>
<tr>
<td>95-768 Defensive Hacking</td>
<td>95-715 Financial Accounting &amp; 95-716 Principles of Finance</td>
<td>Up to 24 units of transfer credit from prior graduate work</td>
</tr>
<tr>
<td>95-722 Digital Transformation</td>
<td>95-796 Statistics for IT Managers</td>
<td>UPMC Employees: advanced standing for prior completion of the UPMC-BIDA Certificate with Heinz</td>
</tr>
</tbody>
</table>

* See entire Heinz College Course Catalog at: [http://www.heinz.cmu.edu/academic-resources/course-results/index.aspx](http://www.heinz.cmu.edu/academic-resources/course-results/index.aspx). There is a PDF on that page for distance only.
MSIT Course Delivery Format:

➤ Choose Evening or Distance mode during application
  • Hybrid? Apply to mode you’ll be in predominantly – we’ll work with you during enrollment to accommodate the other mode.

➤ Evening Program
  • Classes held one night per week, 6-9 PM, Monday-Thursday
  • **New 4:30-6 PM time slot added with classes twice per week (Mon/Wed or Tues/Thur).**
  • You can take other daytime classes (9 AM-4:30 PM) if your work schedule permits.
  • Limited number of core may need to be done by distance learning.
  • Hamburg Hall has **free parking and bus/shuttle stops** right by our building for easy commuting. Your campus student ID includes PAT bus privileges.
  • View previous class schedules at [http://www.heinz.cmu.edu/academic-resources/course-schedules/index.aspx](http://www.heinz.cmu.edu/academic-resources/course-schedules/index.aspx). This will give you sense about typical evening course offerings.
Distance Program

- **No campus residency required** – but **visit** whenever you can!
  - Admissions office **Visitation Weekends** or schedule **personal campus visit**
  - Attend regional networking receptions through **CMU Connect**
  - **Represent your company at campus recruiting events**
  - **Join us for SUMMER CAMPus** – this annual June event is just for MSIT students
  - **Walk in Commencement to celebrate your graduation** – ceremony held each May

- **Campus lecture capture** technology – multimedia DVD or 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.

- Use **Blackboard** as virtual classroom space, 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
MSIT Reputation

- Heinz College ranked #1 in IT Management specialty graduate programs ~ U.S. News & World Report, since 2005
- MSIT ranked #1 Online Masters in IT by www.thebestschools.org, October 2012
- Military Friendly School by G.I. Jobs, since 2008
  - MSIT offers special tuition scholarships to govt/military students
  - We participate in GI Bill/Yellow Ribbon and Tuition Assistance (TA) programs
- CMU is a designated Center of Academic Excellence in Information Assurance Education by NSA and DHA and we’re fortunate to have CERT on our campus and their technical staff teaching our classes.
- Network with and learn from MSIT Students and Alumni
  - 30 campus and 180 distance current students; over 500 MSIT alumni
  - Alumni lifelong learning – non degree courses at 50% off tuition rate post graduation
- Sample of where MSIT students and alumni work:
  - Automotive • Alcoa
  - Financial Services • Amazon
  - Consulting • Boeing
  - Energy • BNY Mellon
  - Higher Education • Cisco Systems
  - Healthcare • Equitable Resources
  - Technology • FedEx
  - • General Motors
  - • Highmark
  - • IBM
  - • Intel Corporation
  - • Lockheed Martin
  - • Microsoft
  - • Oracle
  - • Qualcomm
  - • UPMC
  - • U.S. Military & Govt Agencies
To reach me after the webinar:

Allison Frankoski, Program Director
1.412.268.8983
allison@cmu.edu

www.heinz.cmu.edu/msit
Admissions and Financial Aid
Characteristics of Successful Applicants

• Commitment, leadership
• Clearly defined goals for graduate education
• Relevant experience* and/or previous education
• Competitive test scores
• Demonstrated potential for academic success

* Details regarding work experience requirement on next slide…
Relevant, professional, post-undergrad work experience is required.

<table>
<thead>
<tr>
<th>Program</th>
<th>Minimum Work Experience Required</th>
<th>Average Work Experience – Admitted Students*</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSIT</td>
<td>3 years</td>
<td>12 years</td>
</tr>
</tbody>
</table>

* Based on admissions data, 2009 - 2012
How to Apply

• 3 letters of recommendation
  - All Professional OK
  - Academic *(only if recent and relevant)*
• Official transcripts
  - from *all* university/college-level coursework
  - must show date and title of degree(s), course names and grades (or marks)
  - US transcripts must be delivered in envelope *sealed by registrar*
  - International transcripts must be delivered through a transcript verification service (such as WES or ECE)
  - **MSIT**- requires *undergrad level programming course prior to enrollment*
• Official GRE/GMAT scores

*Carnegie Mellon University*  
*Heinz College*

*GM Employees – contact TEP before applying to MSIT*
How to Apply (continued)

• TOEFL or IELTS: required for non-native English speakers with less than 5 years in US, UK, Australia, New Zealand, Ireland, Canada, South Africa

• Resume
  - Include all work experience and education, chronologically
  - Include volunteer/other experiences, leadership positions

• Essay
  - Background and career goals
  - How this program will help you achieve your goals

• Video Essay (optional, recommended if you never meet us)

• Optional Essay (written)

• Live Interviews (optional unless requested by admission committee)
## Application Deadline

<table>
<thead>
<tr>
<th>Enrollment Date</th>
<th>Deadline to Apply</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>November 1</td>
</tr>
<tr>
<td>May</td>
<td>April 1</td>
</tr>
<tr>
<td>August</td>
<td>July 1</td>
</tr>
</tbody>
</table>
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
  - Search www.cmu.edu/fso or www.fastweb.com

**Average Scholarship 25% of Tuition**
Financial Aid representatives are available to help you

• U.S. Federal Aid (18 units/semester minimum)
• Private loans
• TMS Payment Plan
• Heinz College Financial Aid representatives
  • Accessible
  • Experienced
  • Knowledgeable

Contact Financial Aid:

hzfinaid@andrew.cmu.edu
412-268-2164
www.heinz.cmu.edu/financial-aid
Questions?

Admissions
1.412.268.2164
Email: hnzadmit@andrew.cmu.edu

Allison Frankoski, Program Director
1.412.268.8983
allison@cmu.edu