Welcome to our Online Session

Master of Science in Information Technology
Part-time Study Program

MSIT

October 2016

Allison Frankoski, Director of MSIT Program
Amy Seymour, Associate Director of Admissions
Bridget Jakub, Associate Director of Admissions
About Carnegie Mellon and Heinz College...

- 12,000 students at CMU
- 1,500 students at Heinz College
- 160 MSIT students at Heinz College
- Interdisciplinary strengths
  - Computer science and engineering
  - Management and policy
  - Data analytics
Master of Science in Information Technology

Allison Frankoski
MSIT Program Director
Carnegie Mellon University

Heinz College

INFORMATION SYSTEMS • PUBLIC POLICY • MANAGEMENT

MSIT INFORMATION SESSION
TUESDAY, OCTOBER 11, 2016, 1:00 EDT

Education for working professionals. Presented by Allison Frankoski, MSIT Program Director.
“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

Top-ranked Graduate Education:
• **#1 in Information and Technology Management** (since 2005 by [US News & World Report](https://www.usnews.com))
• **#1 in Cyber Security** by [universities.com](https://universities.com), 2016
• **#1 in Analytics** – winner of the [2016 UPS George D. Smith Prize](https://www.informs.org/2016-UPS-George-D-Smith-Prize) by INFORMS
School of Information Systems and Management

Integrated ISM curriculum:

- Builds strong **technical, analytical and quantitative** skills
- Application of those skills from a **strategic management and policy** perspective
- **Practical, relevant coursework;** immediate ROI as you apply learning at your job
- Develops leaders who can **apply technology in innovative ways** to achieve business and organizational goals
- Solve problems!
MSIT: 4 MASTER’S DEGREES
ALL PART-TIME STUDY
FULLY ONLINE* or HYBRID EVENING

MASTER OF SCIENCE IN INFORMATION TECHNOLOGY

Choose from 4 Majors:

- MSIT – IT Management
- MSIT – Information Security and Assurance
- MSIT – Business Intelligence and Data Analytics
- MSIT – Software Design and Management

* CMU distance education is not open to US residents of AL, AR or MN. See Consumer Information.
MSIT: Part-time only programs designed for the experienced tech-savvy professional

- Relevant work experience is essential
- Online classes (or hybrid online/evening for local students)
  - 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.
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 4 credits)

- **No thesis** or capstone project required
  - Practice and apply on the job as you go through the degree program

- **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
  - We offer 6 unit and 12 unit courses; may take 0-30 units per semester
  - 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”
# MSIT Core Courses by Degree (60 units)

<table>
<thead>
<tr>
<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 (<strong>Online launching January 2017)</strong></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>*95-758 Network and Internet Security (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>*95-748 Software and Security (6u)</td>
<td>95-868 Exploring and Visualizing Data using R (6u)</td>
<td>95-808 IT Project Management (6u)</td>
</tr>
<tr>
<td>95-706 Object Oriented Analysis and Design (6u)</td>
<td>*95-755 Info Security Risk Management I (6u)</td>
<td>95-791 Data Mining (6u)</td>
<td>17-653 Managing Software Development (12u)</td>
</tr>
<tr>
<td>94-806 Privacy in the Digital Age (6u)</td>
<td>95-808 IT Project Management (6u)</td>
<td>95-852 Applied Data Science (6u)</td>
<td>17-655 Architectures for Software Systems (12u)</td>
</tr>
<tr>
<td>95-744 Info Security Policy &amp; Governance (6u)</td>
<td>95-866 Advanced Business Analytics (capstone class) (6u)</td>
<td>*95-744 Info Security Policy &amp; Governance (6u)</td>
<td>*95-744 Info Security Policy &amp; Governance (6u)</td>
</tr>
<tr>
<td>Focus on Technology / Info Systems</td>
<td>Focus on Policy / Management</td>
<td>Other Elective Options</td>
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<tr>
<td>95-774 Business Process Modeling</td>
<td>95-794 Tech Startup: Tools and Techniques</td>
<td>Independent study – create your own course, up to 12 units</td>
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<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>
<td></td>
</tr>
<tr>
<td>95-781 Advanced Database Management</td>
<td>95-722 Digital Transformation 94-702 Professional Writing</td>
<td>Distance courses from HCI &amp; Software Engineering departments</td>
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</tr>
<tr>
<td>94-802 Geographic Information Systems</td>
<td>95-760 Decision Making Under Uncertainty</td>
<td>Campus students can take grad classes in other CMU departments</td>
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<tr>
<td>95-831 Enterprise Architectures</td>
<td>95-715 Financial Accounting 94-811 Strategy Development</td>
<td>Up to 24 units of transfer credit from prior graduate work</td>
<td></td>
</tr>
<tr>
<td>95-799 Linux &amp; Open Source</td>
<td>95-872 Art &amp; Science of Business Analytics</td>
<td>UPMC Employees: advanced standing for prior completion of the UPMC-BIDA Certificate with Heinz</td>
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</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 Online Format:

- **No campus residency required** – but **visit** whenever you can!
  - Admissions office [Visitation Weekends](#) or schedule personal campus visit
  - Regional networking receptions through [CMU Connect](#)
  - Represent your company at [campus recruiting](#) events
  - [Summer Leadership Symposium](#) – this annual June event is just for MSIT students and alumni
  - 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
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<th>Feature</th>
<th>Description</th>
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<td>Flexible Curriculum</td>
<td>Designed specifically for the experienced, working professional.</td>
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<tr>
<td>Rigorous Coursework</td>
<td>FLEXIBLE CURRICULUM</td>
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<td>Applied Learning</td>
<td>RIGOROUS COURSEWORK</td>
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<td>Flexible Part-Time Format</td>
<td>APPLIED LEARNING</td>
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<td>Convenient Distance Learning Format</td>
<td>FLEXIBLE PART-TIME FORMAT</td>
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<td>One-on-One Advising and Personal Student Service</td>
<td>CONVENIENT DISTANCE LEARNING FORMAT * (or Hybrid Evening)</td>
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<td>Over 15 Years of Proven Success in Distance Education</td>
<td>ONE-ON-ONE ADVISING AND PERSONAL STUDENT SERVICE</td>
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<td>Top-Ranked Graduate Education</td>
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Contact Information

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  Director, MSIT Program, Heinz College
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• +1.412.268.8983
• Carnegie Mellon University
  Heinz College, Hamburg Hall 1104
  5000 Forbes Avenue
  Pittsburgh, PA 15213
Admissions & Scholarships
Work Experience is required

**Relevant Professional Post-undergrad Work Experience is required.**

<table>
<thead>
<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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# Application Deadlines

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<th>Enrollment Date</th>
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<td>May</td>
<td>April 1</td>
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<td>August</td>
<td>July 1</td>
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Apply online

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

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

Contact Financial Aid:

hzfinaid@andrew.cmu.edu
412-268-2164
www.heinz.cmu.edu/financial-aid
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Thank you for joining us today

Admissions Office
1.412.268.2164
Email: hnzadmit@andrew.cmu.edu

Allison Frankoski, Program Director
1.412.268.8983
allison@cmu.edu
Want to learn more about us?

Fall Visitation weekend
November 11-12, 2016

Online information sessions
- Student Panel sessions upcoming
- Recorded webinars available now