Welcome to our Online Information Session!
November 2014

Master of Information Systems Management (MISM)
Master of Science in Information Security Policy and Management (MSISPM)

Sean Beggs, Director of MISM Program
David Eber, Director of Admissions & Financial Aid
Bridget Jakub, Associate Director of Admissions
Agenda

- Carnegie Mellon University & Heinz College
- Degree Programs Overview
- Admissions & Financial Aid
- Discussion of Questions
About Carnegie Mellon and Heinz College...

- Main campus in Pittsburgh, Pennsylvania
- 12,000 students at CMU
- 1,400 students at Heinz College
  - Other locations: Adelaide, DC, LA
  - Distance-learning (MSIT)
- Interdisciplinary strengths
  - Computer science and engineering
  - Management and policy
  - Data analytics
  - Visual and Performing Arts
ISM Graduate Degrees (full-time)

MISM: Master of Information Systems Management
- Pittsburgh campus - 3 semesters (12 or 16 months)
- Adelaide & Pittsburgh - 4 semesters (21 months)

MSISPM: M.S. in Information Security Policy & Management
- Pittsburgh campus - 3 or 4 semesters (16 or 21 months)
Masters in Information Systems Management (MISM)

- An accelerated full-time program (180 units)
- Proven track record in consulting, financial services, and technology job placements
- Complements a technical background with applied business skills
MISM Curriculum

REQUIRED: 102 units core, 30 units capstone
ELECTIVES: 48 units general electives

**Technology Core**
- ✔ Database Management
- ✔ OOP in Java
- ✔ Distributed Systems
- ✔ Object Oriented Analysis & Design *
- ✔ Managing Disruptive Tech *

**Management Core**
- ✔ Principles of Finance/Accounting
- ✔ Professional Writing & Speaking
- ✔ Economic Analysis
- ✔ Statistics for IT Managers
- ✔ Decision Making Under Uncertainty
- ✔ Organizational Design & Implmt.

**Capstone Core**
- ✔ Digital Transformation
- ✔ Information Systems Project
- ✔ Summer Internship *

REQUIRED: 102 units core, 30 units capstone
ELECTIVES: 48 units general electives
MISM Specializations

MISM students may choose to specialize (or not)

- Electronic Commerce
- Business Intelligence
- Healthcare Informatics
- Information Security Management
- IT Strategy & Management
MISM Concentration: Business Intelligence & Data Analytics (BIDA)

Core Courses
- Data Mining*
- Advanced Business Analytics
- Data Warehousing*
- Applied Data Science*
- Data Analytics Capstone Project

Business Electives
- Marketing and Digital Strategy
- IT Business Leadership
- Measuring Social
- Privacy in the Digital Age
- Data Analysis for Managers

Analytic Electives
- Text Analytics
- Measuring Causal Effects
- Large-Scale Data Analysis
- Applied Econometrics
- Business Process Modeling
- Python for Data Analytics
MISM: Sample Electives

- IT Global Sourcing
- Measuring Social
- Negotiations
- Linux & Open Source
- IT Project Management
- Business Process Modeling
- Health Care Information Systems
- Management Consulting
- E-commerce Technologies
**MISM Career Data**
(May 2014 – Traditional 12 month)

**High Salary = $ 135,000**  
**Low Salary = $ 52,000**  
**Mean Salary = $ 94,733**  
**Median Salary = $ 90,500**

**Employers**
- Akamai Technologies
- American Institutes for Research
- Bank of America
- ebay
- EMC
- E&Y
- Google
- IBM
- JPMorgan Chase
- LinkedIn
- McKinsey & Company
- Microsoft
- Oracle
- PwC
- SanDisk
- Sears Holdings

**Job Title**
- Account Manager
- Advisory Board Company
- Advisory Staff
- Analyst
- Associate Product Manager
- Business Associate
- Business Systems Analyst
- Consultant
- Database Developer
- Dispatch Lead
- Product Quality Engineer
- Senior Applications Engineer
- Senior Associate, IT Risk
- Senior Consultant
- Senior Database Architect
- Senior Software Engineer
- Software Developer
- Software Engineer
- Technical Project Manager II
- Technology Associate
- Vice President
MISM Career Data
(May 2014 – Global 21 month)

High Salary = $ 120,000
Low Salary = $ 60,000
Mean Salary = $ 96,068
Median Salary = $ 100,000

Employers

Amazon
Apple
Bloomberg L.P.
ebay
Ericsson
E&Y
Goldman Sachs

Google
Informatica
JPMorgan Chase
Oracle
PwC
TripAdvisor LLC
Yahoo

Job Title

Financial Software Developer
GIS Analyst
IT Staff
Quality Engineer
Risk Analyst II
Site Reliability Engineer II

Software Developer
Software Engineer
Staff (Advisory)
Technical Staff
Technology Analyst
Technology Consulting Associate
MISM Career Data
(December 2013 – Traditional 16 month)

High Salary = $125,000
Low Salary = $52,000
Mean Salary = $90,379
Median Salary = $91,500

Employers
Adobe Systems Inc.
Amazon
Bank of America
Barclays
Bombardier
Credit Suisse
Deloitte and Touche LLP
EA
eBay
Google
Groupon
Informatica
Yahoo
VMware
UBS
Sears Holding
Salesforce.com
Oracle
NVIDIA
Nike
Morgan Stanley
MicroStrategy
LinkedIn
Intuit

Job Title
Application Engineer
Associate Database Engineer
Business Analyst
Business Intelligence Engineer
Cloud Operations Analyst
Computer Scientist
Consultant
Product Analyst
Product Manager
Program Manager
Senior Associate
Senior Consultant
Software Development Engineer
Software Engineer
Software Engineer II
System Software Engineer
Technical Associate
Technical Program Manager
Technology Consultant
Technology Integration Specialist
Technology Officer
MISM Career Data

(December 2013 – BIDA 16 month)

High Salary = $125,000
Low Salary = $41,600
Mean Salary = $96,542
Median Salary = $102,500

Employers

Accenture
Amazon
BlackRock
Carnegie Mellon University
Deloitte
Expedia Inc.
Google
IBM
LinkedIn
MicroStrategy
Oracle
PwC
Software Development Engineer
TripAdvisor LLC

Job Title

Advisory Associate
Analytics Analyst
Associate Product Manager
Consultant
Data Scientist
Senior Consultant
Senior Data Scientist
Software Development Engineer
Software Engineer
Sr. Revenue Management Analyst
MSISPM

Master of Science in Information Security Policy & Management

‘A passion for Information Assurance’
Master of Science in Information Security Policy & Management (MSISPM)

• Full-time, 3-4 semesters in length, 192 units
• Students have a great deal of flexibility to follow a technical or managerial/policy path
• Significant teaching and meta-curricular activities with SEI/CERT
• Government or Consulting career placement opportunities
• Qualifies for Scholarship for Service
MSISPM Curriculum

REQUIRED: 114 units core, 24 units capstone
ELECTIVES: 30 units security focus, 24 units general

Security Core
- Managing Disruptive Technologies
- Intro to Info Security Management
- Info Security Risk Analysis
- Cryptography
- Software and Security
- Network and Internet Security
- Privacy in the Digital Age
- Seminar in Security Policy

Management Core
- Accounting & Finance Foundations
- Organizational Design & Implementation
- Economic Analysis
- Statistics for IT Managers
- Decision Making Under Uncertainty
- Professional Writing and Speaking

Experiential Learning
- Information Security Project or Thesis
- Summer Internship*

Carnegie Mellon University
Heinz College
MSISPM Sample Electives

- Information Security Risk Policy
- Healthcare Information Security
- Network Situational Awareness
- Applied Information Assurance
- Service Oriented Architecture
- Network Security Analysis
- Defensive Hacking
- Power & Influence
- Introduction to Cyber Intelligence
MSISPM Career Data  (Dec 2013 / May 2014)

High Salary = $ 120,000  
Mean Salary = $ 88,700  
Median Salary = $ 85,000  
Low Salary = $ 63,000

Employment by Region

- **Northeast**: 50%  
- **Mid-Atlantic**: 30%  
- **Southwest**: 20%

Employers

- Accenture  
- CMU – CERT  
- DHS  
- GM  
- Google  
- MITRE  
- PricewaterhouseCooper  
- Sandia National Laboratory  
- Yahoo Inc.

Job Title

- Information Security Analyst  
- Associate Network Defense Analyst  
- Cyber Security Staff  
- Software Engineer  
- Senior Associate  
- Information Security Specialist  
- Product Security Engineer
Why CMU – HEINZ – ISM Degree?

• There is a huge shortage of IT professionals in the United States
• Doors open up with a CMU graduate degree
• For domestic students – Lots of available scholarship money
• ISM: Distinct teaching approach of combining IT excellence with best business practices
Preparing graduates for intelligent action

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Admissions and Financial Aid
Characteristics of Successful Applicants

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

*MISM One-Year (MISM12) applicants must have minimum 3 years work experience by May start date.
Apply online by January 10 deadline!

• https://app.applyyourself.com/?id=cmu-spp
• Three (3) letters of recommendation
• Official transcripts
• Official GRE or GMAT scores
• Official TOEFL or IELTS scores (if applicable)
• Resume
• Written Essay
• Video Essay (optional, recommended)
• Interviews (required for CMU & Chatham AMP tracks, optional for others unless requested by admissions committee)
Scholarship Opportunities

• *No separate application required*
• Merit-based scholarships
• Women in Technology Fellowship (MISM)
• For US Citizens:
  • American Security Professionals Fellowship (MSISPM)
  • Scholarship for Service (MSISPM)
  • American Technology Fellowship (MISM)
  • Yellow Ribbon Program/Veterans Benefits
• Organizational partner scholarships
Thank you for joining us!

We will answer as many questions as possible before the webinar ends at 1:00 pm (13:00) EST.

Please send unanswered questions to us at hnzadmit@andrew.cmu.edu or call +1.412.268.2164.

Do you have more questions about the application process? Part-time/Distance-learning programs? Other programs?

Upcoming webinars: http://hnz.cm/onlinewebinars