

INFORMATION SYSTEMS

WHERE TECHNOLOGY MEETS THE REAL WORLD.

The degree in Information Systems (IS) at Carnegie Mellon is interdisciplinary by nature. While at home in the Dietrich College of Humanities & Social Sciences, the program draws on the university's strengths in technology and business, in addition to the humanities and social sciences.

IS students study organizational, technological, economic and societal aspects of information systems. Through a multidisciplinary curriculum, they learn how to devise creative and innovative solutions to real-world problems.

FIRST-YEAR STUDENTS



IS Admitted Student Statistics

SATCR	SATM	SATWR	ACTE	ACTM	ACTC
660-750	710-800	670-780	32	33	32

Rank 5% GPA 3.71

Favorite First-Year Courses

- ☐ Concepts of Information Systems
- ☐ Fundamentals of Web Design
- ☐ Principles of Computing

Information Systems graduates see a strong return on their investment with their post-graduate opportunities and salary.

PROGRAMS

Information Systems

Content areas provide students with an opportunity to gain depth in a focused area. Content areas include:

- Animation and Special Effects
- Business/Enterprise Systems
- Computing and Information Systems & Technology
- Entrepreneurship for Creative Industries
- Game Design
- Intelligent Environments
- Learning Media
- Media Design
- Physical Computing
- Quantitative Analysis
- Social and Global Systems
- Sound Design

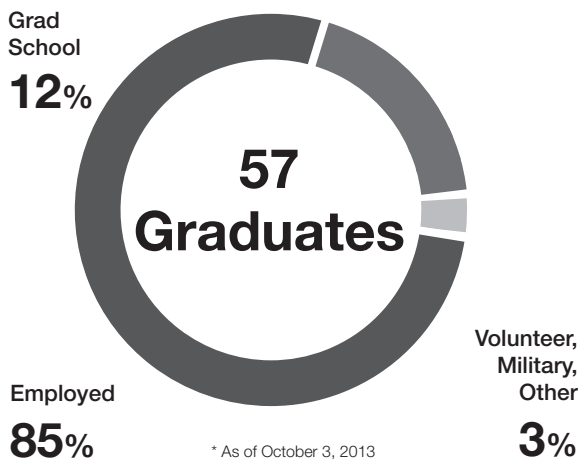
FACULTY

- ☐ **C.F. Larry Heimann**
teaching professor, Information Systems
- ☐ **Joseph S. Mertz Jr.**
associate teaching professor, Dietrich College, Information Systems; associate teaching professor, The Heinz College, School of Information Systems
- ☐ **Jeria Quesenberry**
associate teaching professor, Information Systems
- ☐ **Raja Sooriamurthi**
associate teaching professor, Information Systems
- ☐ **Randy S. Weinberg**
teaching professor and director of the program, Information Systems

Faculty interests include:

- Software Development Methods
- Project Management
- Global Systems
- Big Data and Analytics
- Software Systems Security
- Mobile Computing
- Eco-Sustainability
- IT for Development

GRADUATE SUCCESS



Top Employers



Deloitte.



JPMorgan

RESEARCH PROJECTS



Meals on Wheels

The team made a web-based delivery reporting application that allows site coordinators to report any delivery failures and provide follow-up checks. It served as a safety net for site coordinators by alerting them of multiple meal failures and subsequent follow-ups and wellness checks.



Kenya Sustainability

Kenya is a country that wants to accelerate its growth in the next 20 years. To do this they have planned a set of policies that they want to implement (outlined in their Kenya Vision 2030), but the effect that these policies will have on their population and natural resources is not well understood. We created a system dynamics model to help understand the interdependencies between Kenya's growing economy and existing natural resources.



Capstone Applications Course

Students collaborate with community based organizations to develop useful information system solutions to meet real management needs. Recent organizations IS students worked with:

CASANA Mobile Application
Global Footprint Network
Northern Area Companies
United Way
Best of the Batch Foundation
iPracticeChinese
Light of Life Event Management System
IBM Innovations - 2D Barcodes
Jimmy & Rosalynn Partnership Foundation
Shakespeare's Global Globe
BibMe.org
New Earth Organization
Sparshlife
TrafficSTATS

Alumni Accomplishments

2013 Information Systems graduates are working for companies like Amazon.com, Capital One, Deloitte Consulting LLP, eBay, Ernst and Young, GE Aviation, General Motors, Google, Highmark, IBM, J.P. Morgan, National Institutes of Health, PayTango, PriceWaterhouseCoopers and Samsung Mobile.

Student Startups



PayTango. A payment system that identifies users by their fingerprints. It takes 20 seconds to register and at subsequent visits, users can simply touch the screen to call up their card. Information Systems 2013 grads Brian Groudin, Umang Patel, Christian Reyes and Design 2013 grad Kelly Lau-Kee co-founded PayTango, which was named by Inc. Magazine as one of America's 12 "Coolest College Startups" for 2013.

DID YOU KNOW?

1. Real world client partnerships are an important part of the program's mission giving students and project sponsors a significant opportunity to work together toward a common goal. Project sponsors have included United Way, IBM Innovations, Light of Life Event Management System and many more.
2. The IS Program is an internationally recognized undergraduate major for students who want to design and implement effective solutions to meet organizational and management needs for information and decision support.
3. The most difficult parts of information systems problems are usually in the people and business areas: problem identification; understanding organizational behavior; understanding interactions among complex systems; understanding how to effectively gather, interpret and communicate information; and knowing how to enable individuals to interact productively as a team. These are all interdisciplinary skills in which departments within the Dietrich College have critical expertise.
4. Information Systems had the highest number of Dietrich College students studying abroad. IS students also work on global IT service projects.

Carnegie Mellon University

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