

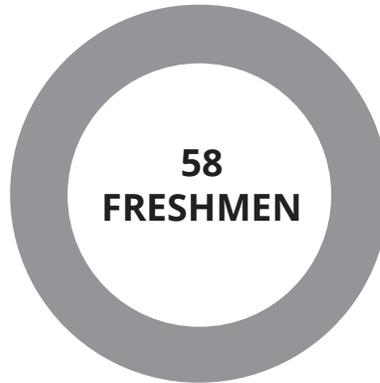
# INFORMATION SYSTEMS (IS)

## 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 and 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.

## FRESHMAN STUDENTS



IS Admitted Students Statistics

SATCR*	SATM*	SATWR*	ACTE	ACTM	ACTC
680-770*	740-800*	670-760*	34	34	34

Rank 4% GPA 3.78

\*Middle 50% range

### Popular Freshman Courses

- > The Information Systems Milieux
- > 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

### Faculty interests include:

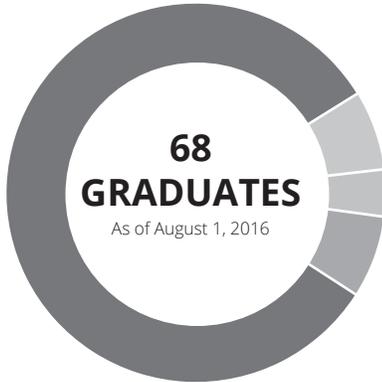


### Notable Faculty

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

# GRADUATE SUCCESS

Employed  
**82%**



Grad School  
**7%**

Plans Pending  
**4%**

Not Reported  
**7%**

## Top Employers



**Deloitte.**



**facebook**

## Global Partnerships

> Technology Consulting in the Global Community (TCinGC) is a collaborative partnership between Carnegie Mellon students, faculty and staff and governmental and non-governmental organizations throughout the world. **Since 2004, TCinGC has sent student consultants around the globe to assist its partners in the use of technology to more effectively achieve their missions.** TCinGC focuses on mutually beneficial partnerships that create unparalleled opportunities for students to gain highly valued skills, while bridging the digital divide through low-cost consulting assistance that would otherwise be out of reach for its partners.

# RESEARCH

## Zero Waste Pennsylvania

Zero Waste Pennsylvania (ZWPA) is a nonprofit organization with a core service of waste auditing for organizations of all sizes across the state of Pennsylvania. Information systems students implemented a mobile web application to facilitate and streamline data entry, generation of audit reports and record keeping during the waste auditing process.



## Best of the Batch

A student team worked with Project C.H.U.C.K., a seven-week basketball camp hosted by former Steeler's quarterback, Charlie Batch, and his nonprofit organization, Best of the Batch. During Project C.H.U.C.K., youth participate in competitive basketball as well as study halls where they read and discuss books. To make Project C.H.U.C.K. more efficient and impactful, the student team reengineered and optimized the registration and team management processes. By implementing a single web application, the team reduced the amount of manpower necessary for registrations.



## 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:

- |                                       |   |
|---------------------------------------|---|
| CompuSpecation                        | Needle Exchange (Pittsburgh)                    |
| Global Footprint Network              | Phipps Garden Center                            |
| Pittsburgh Parks Conservancy          | Center for Building Performance and Diagnostics |
| YMCA                                  | BibMe.org                                       |
| Light of Life Event Management System | University of Pittsburgh School of Medicine     |
| Meals on Wheels                       |   |
| Mercy Home (Chicago)                  |   |

# DID YOU KNOW

- 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, American Institute of Graphic Arts (AIGA), Industrial Designers Society of America (IDSA) and the Design League.
- 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.
- 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.
- Information systems students have internships in diverse fields. **Students have opportunities to work with major tech companies, government agencies, financial institutions and more.**

## Carnegie Mellon University

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