

# Master of Science in Information Technology



Photo courtesy of Adelaide City Council

Carnegie Mellon University's **Master of Science in Information Technology** (MSIT) is a unique graduate degree program offering a mix of technology, management and strategy courses to provide students with an understanding of information technology from both operational and strategic perspectives. Professionals with previous IT training or experience can enhance their technical and management skills. Likewise, professionals with less extensive IT experience will find the MSIT degree is an excellent way to add the technology skills and knowledge required to advance in today's business environments. For both groups, the Master of Science in Information Technology is a sound investment.

The MSIT program will give professionals the necessary technical skills and business acumen to succeed in today's constantly changing digital world. The coursework encompasses the latest advances in the field of information technology and information systems. Through a blend of technical training and real-world experience, this degree program equips its graduates to navigate present and future business landscapes using the following:

- Skills** Graduates will understand how to address complex organizational issues using quantitative analysis, problem solving skills, and the latest technology.
- Leadership** Graduates will be strategic thinkers with a solid foundation in project management and will gain experience leading and participating in groups.
- Creativity** Graduates will look beyond traditional models; looking instead to non-traditional, path-breaking solutions.
- Real world experience** Graduates will quickly put newly gained skills into action; the curriculum includes practical application of tools via group project work.

## A RENOWNED UNIVERSITY WORLDWIDE

Carnegie Mellon University is ranked as one of the top 50 universities internationally and many of our degree programs are ranked top in their fields. The Heinz College is ranked first in the area of information technology. With alumni world-wide, the university's network spans organizations on every continent. Graduates of our programs have access to these professionals and current students have opportunities for mentoring relationships and **internships**.

Additionally, students are able to take advantage of the formal exchange program between the US and the Australian campus and to benefit from a US degree that is accredited in both countries and is recognized internationally as representing the highest academic standards.

With **small class sizes** and **international faculty**, students enjoy individual attention and a global perspective on their studies. Working with staff and faculty from across the world opens students to alternative ideas and ways of thinking which is transformed to their work environment.

## A TOP RANKED AMERICAN UNIVERSITY IN AUSTRALIA

The Asia-Pacific branch of the Heinz College is located in Adelaide, the capital of South Australia, which provides distinct advantages for students wishing to obtain a Carnegie Mellon degree in a location outside the United States.

South Australia provides an affordable, dynamic, diverse environment in which to live and study. The state is home to numerous small and mid-sized businesses and to the largest concentration of the Commonwealth's defence industry. These organizations are actively seeking to employ talented professionals. In fact, South Australia provides a **migration advantage** to individuals who want to live in Australia.

The Heinz College is located in Victoria Square, in the city's central business district. Home to three other large universities, numerous cultural venues and affordable restaurants, Adelaide has a warm and sunny climate. The beach is 20 minutes away by public transportation and South Australia's wine country is an hour away. Students will find many activities to occupy the time they are not studying!

## MSIT SAMPLE CURRICULUM FOR ADELAIDE, AUSTRALIA

### Required Courses

- Object Oriented Programming in Java
- Object Oriented Analysis and Design
- Database Management
- Project Management for Information Technology
- Telecommunications Management
- E-Commerce
- Internet Technologies

### Sample Electives

- Organizational Management
- Decision Making Under Uncertainty
- Decision Support Systems
- Data Mining
- Economic Analysis for IT
- Enterprise Architecture
- Financial Analysis for IT
- Organizational Communication and Distributed Object Technologies
- Mobile Commerce
- Introduction to Information Security Management

### Internships

Internships are optional for students enrolled in the MSIT program in Adelaide and if chosen can be undertaken during the months of December through to January. Internships are completed in a variety of organisations including Government, not for profit and private institutions.

### \*Exchange Program

Students are able to take advantage of the formal exchange program between the US and the Australian campus. Students enrolled in the MSIT Program in Adelaide have the opportunity to undertake one semester of study at the Heinz College campus in the United States.  
(\*subject to approval)

### Information Systems Synthesis Project

Students have the option of conducting an information systems synthesis project. The project is a true real world application of skills, whereby students propose a project, frame the problem, conduct the analysis, make recommendations and present the findings. Very few colleges offer this type of practical experience.

### Length of Program

The degree requires the completion of the equivalent of twelve full-semester classes. Full-time students will be able to complete the degree in one year.

### Scholarships and Financial Aid

Numerous scholarships are available and approximately 85% of our students receive support. U.S. citizens who are eligible for federal loans may use their funding to attend the Heinz College in Australia.

### ADMISSION REQUIREMENTS

To be considered for admissions to the MSIT Program, students must have a Bachelor's Degree from an accredited University or College.

A complete application for admissions will include:

- A complete online application form ([www.cmu.edu.au/apply](http://www.cmu.edu.au/apply))
- Official transcripts from all colleges and Universities attended
- Official GMAT or GRE Scores
- Official IELTS score 7.0 or TOEFL equivalent for those students whose native language is NOT English
- A current resume
- A 1000-word essay describing your background and career goals
- Three online recommendations
- Application Deadlines

#### \*Application Deadlines

#### In-take dates

September 15<sup>th</sup>

January

March -15<sup>th</sup>

August

(\*for specific in-take dates please refer to our website [www.heinz.cmu.edu.au](http://www.heinz.cmu.edu.au))

### Careers

MSIT graduates around the world are hired for a wide range of positions with IT or strategy consulting firms, government agencies, software companies, major corporations and entrepreneurial ventures.

For more information contact us on: [hznadmit-australia@andrew.cmu.edu](mailto:hznadmit-australia@andrew.cmu.edu)

Or, visit the website at [www.heinz.cmu.edu.au](http://www.heinz.cmu.edu.au)

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