The Information Systems degree will prepare you to be an IS professional working in today’s global business. Today’s IS professionals work to help leaders in business and government solve problems and keep their organizations competitive by using modern information and communications technology. The work is people-oriented and organisationally-focused as well as being technically informed. Hence people skills and organisational skills are critically important, along with the knowledge of the potential of contemporary information and communication technologies. A modern IS professional’s work is exciting, highly challenging and very well remunerated, and such a career leads to senior positions in business and government involving the planning and managing of information and communication investments. Such a career is not for people who enjoy sitting behind computers and working in a solitary way on technical problems, but is for those who enjoy solving business problems in creative ways by utilising both business and technical knowledge.

Course structure

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Introductory elective units are selected from the following:
- Web Management
- Computer Systems Fundamentals

Intermediate and advanced elective units are selected from the following:
- Database Management Systems
- Computer Networks
- Human Computer Interaction
- Business Logistics
- Computer Security
- Organisational Behaviour
- Advanced Dynamic Web Development

Careers

Graduates of this degree are employed in positions such as ICT business analyst, computer systems auditor, information architect, information strategy developer, database designer, information security analyst, project manager, business process analyst, systems analyst, chief information officer, logistics manager, ICT manager, information manager, ICT consultant.
Degree outcomes

At the end of this course, you should be able to enhance the performance of organisations, including business, government and community groups, by:

1. applying business, project management and technical ICT knowledge to:
   - interpret and critically analyse organizational needs in different business contexts
   - identify, frame and structure organisational problems
   - use systems analysis techniques and tools to analyse and model business processes & information requirements
   - contribute to the formulation of an organisational information systems strategy

2. designing, implementing and evaluating ICT-enabled solutions by:
   - researching and developing alternative strategies considering their associated benefits, risks, limitations and opportunities taking account of societal, health, safety, legal, and cultural issues
   - sourcing chosen solutions and managing change associated with the implementation
   - reviewing and assessing the effectiveness of implemented solutions

3. acting professionally within local and global contexts by:
   - communicating in different modes to diverse audiences including clients, peers, and other professionals
   - adhering to professional and ethical codes of conduct
   - working independently and collaborating in diverse teams to achieve goals

School facilities and resources

Students will gain experience in state-of-the-art laboratories using Apple Macintosh, Microsoft Windows and Linux. All systems in the School of Computing & Information Systems access AARNet (the Australian Academic and Research Network), which connects most universities and research organisations in Australia to the Internet. Wireless networking is provided for student-owned laptops. School facilities and resources are available to students twenty four hours per day, seven days per week. In addition to the academic program, the School holds dinners, barbecues and social events throughout the year, and there are support and interest groups such as the Tasmanian University Computer Society (TUCS), a Mentor Scheme for beginning students, and an International Affairs Coordinator to assist overseas students.

University resources

On campus there are libraries, sports centres, gymnasiums, tennis courts, squash courts, sports fields, banks, travel agents, shops, bars, cafes, cultural and sporting clubs and societies, and student Health, Housing, Careers and Employment services. The University issues students with ID cards that, for full-time students, provide discounts on movie tickets, transport, travel and more. In addition there are computers available in the libraries, faculties, student union and IT Services laboratories across campus. All students have free e-mail and Internet accounts.

Admission requirements

Candidates for the Bachelor of Information Systems degree will be required to qualify for entrance to the University of Tasmania undergraduate degree program. The units TCE Information Systems and TCE Mathematics Applied, or their equivalent, are useful background, but are not prerequisites for admission.

Professional recognition

Successful completion of the Bachelor of Information Systems degree meets the academic entry requirements for associate membership of the Australian Computer Society.

Contacts

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