



Waterford Institute *of* Technology

INSTITIÚID TEICNEOLAÍOCHTA PHORT LÁIRGE


POSTGRADUATE

MSc in Computing (Information Systems Processes)

LEVEL

9

Department of Computing, Mathematics and Physics



The MSc in Computing (Information Systems Processes) aims to produce graduates with an appreciation of modern information systems from a socio-technical perspective.

MSc in Computing (Information Systems Processes)

Course Outline

The MSc in Computing in Information Systems Processes combines the human, the organisational, and the technological to provide a broad perspective of modern information systems and their development. The human aspects of the programme explore issues such as human-computer interaction, psychology, computer ethics, and systems development in the human-centred tradition.

The organisational aspects consider successful business processes and how these can be supported through information infrastructures such as supply-chain management systems. Finally, the technological aspects look to trends in information systems development, such as emerging methodologies, software development, and technological systems.

The programme also includes a research project and dissertation, thus allowing students to investigate an individual area of personal interest. An applied work-based research project and dissertation may be particularly appropriate for working or part-time students.

Career Opportunities

The programme seeks to develop students' proficiency in a range of pertinent industry skills, whilst also enhancing transferable skills such as research literacy and critical thinking. Graduates will have the capability to make real and immediate contributions to the competitiveness of business organisations, and will be well placed for future careers in industry or academia.

Programme Structure

The programme consists of six taught modules and a dissertation. It can be taken on a full-time or part-time basis. Full-time students undertake three taught modules for each of the first two semesters. They also take support modules on research methods related to their dissertations. Students complete their dissertations over a third semester to complete the MSc programme in 12 months.

Part-time students may complete their studies over a longer period. Students who choose not to complete a dissertation can instead complete a Postgraduate Diploma award comprised of the taught modules only.

The following modules are currently offered on the programme:

Semester 1 (Sep - Dec)	Semester 2 (Jan - May)	Semester 3 (Jun - Sep)
Business Process Analysis and Design Socio-Technical Entrepreneurship Information Systems Project Management Agile Software Development	Ethics and e-Privacy Human-Computer Interaction and Information Architectures Human-Centred Systems Development Supply Chain Integration Technologies Design Patterns	Dissertation

"As a mature student, returning to study the MSc in Computing (Information Systems Processes) at WIT has been a most rewarding experience. The level of knowledge and support provided by lecturers was exceptional and the online facility to access academic journals from home was vital to keeping a balance between study and family life. The course has broadened my thinking, improved my CV and opened interesting new doors for me. The future is bright!"

Patricia Williams, MSc in Computing (Information Systems Processes), Class of 2010

Entry Details

Entry Requirements

This programme is open to graduates from a wide variety of disciplines, including graduates currently working in industry, who are keen to extend their qualifications in order to pursue careers in a range of industries or academia. Graduates with IT, science, engineering or business related honours degrees may apply for entry to this programme.

International students are required to meet with the WIT postgraduate TOEFL/IELTS English language requirement standard.

Fees

For information on fees please visit our web page at www.wit.ie/pg

www.wit.ie

Contacts

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