

# Master of Information Technology

Postgraduate



This course will enable you to become a leading-edge IT professional who can develop and implement innovative IT solutions to complex industry problems.

## Course overview

Deakin's Master of Information Technology provides a combination of leading-edge theory and technical knowledge with hands-on practical experience to prepare you for a successful career as an IT professional in Australia and around the world.

As a graduate, you will possess specialised skills, a solid understanding of the issues, concepts and practices in IT and a broad knowledge of the technological aspects of IT. You will also develop a raft of transferable skills that will enable you to be an innovative and solution-focused IT professional.



This course has been developed in consultation with industry to ensure the content is relevant and up-to-date with rapidly changing workplace demands. As a graduate, you will be highly sought-after for employment across a range of industries for your specialist skills and ability to meet future industry requirements.

## Professional industry experience

Industry placements provide you with an opportunity to develop the practical and job-ready skills employers are looking for and enable you to build professional networks before graduating. When you are enrolled in the Master of Information Technology you can choose to undertake an industry placement or internship as part of your degree.

## Course structure

### Master of Information Technology

**Location:** Melbourne Burwood Campus  and Cloud Campus 

**Duration:** 1.5 years full-time study or part time equivalent

**Intake:** March (Trimester 1), July (Trimester 2) and November (Trimester 3)

**Deakin code:** S778

The Master of Information Technology consists of 12 credit points (cp) of study including:

- four core units (4cp)
- one specialisation (4cp)
- four IT elective units (4cp)

You will also have to complete one zero credit point unit relating to Academic Integrity.

## Why study IT at Deakin?

Deakin University is ranked in the top 1% of universities worldwide according to Shanghai Rankings World University Rankings 2018. This rating indicates world-class facilities, research and teaching, as well as employability, innovation and inclusiveness.

Our Master of Information Technology is designed with input from industry representatives, leading IT companies, government departments and highly respected industry bodies to ensure that our graduates have the skills employers value.

Our research is firmly focused on the future needs of industry. We understand the emerging importance of service-oriented, cyberphysical and intelligent systems which will have a major impact on business, industry and government over the next 10 years and we are focused on building the capability of graduates for employment in this exciting intersection of cross-disciplinary fields.

[deakin.edu.au/course/S778](https://deakin.edu.au/course/S778)

## Specialisations

### Cyber security

Develop skills in securing data, communications and infrastructure as well as investigating, analysing and providing solutions to computer crime. You will enhance your skills in problem solving, communication and technical capabilities related to digital security and the legal, regulatory and ethical contexts in which these skills are used.

### Data analytics

The Data Analytics specialisation gives you the opportunity to further develop your technical skills in key areas of data analytics, data acquisition and modelling, data visualisation, and decision support leading to business intelligence.

### IT strategy and management

The IT Strategy and Management specialisation develops your understanding of the skills required to effectively drive business process improvement, manage IT services, develop IT strategies and manage innovation.

### Networking

Plan, install and manage both local area networks and wide area networks with a strong focus on network design, routing protocols and switching concepts. The Networking specialisation incorporates the CISCO CCNA curriculum, which will prepare you for the CCNA industrial certification. There is a strong focus on application development for networked systems and supporting user mobility from both application and network perspectives.

### Software and services development

Enhance your theoretical and practical skills in current trends in the analysis, design and implementation of complex and large-scale software systems. Designed with input from industry leaders, there is a strong focus on the development of high quality software using methodologies, tools, techniques and management principles relevant to industry. There is emphasis on the development of web-based and distributed applications and the use and development of open source software.

### Virtual reality

The Virtual Reality (VR) specialisation provides you with an understanding of the skills required to replicate life-like physical environments or portray a fictional artificial world. You will gain expertise in designing collaborative virtual and augmented reality that can facilitate realistic and immersive experiences for users.

## Course accreditation

The Master of Information Technology is accredited by the Australian Computer Society (ACS), providing international recognition and allowing graduates to be eligible for professional membership of the ACS.

You have the opportunity to study units leading to CCNA industrial certification as part of your course.

## Career opportunities

A career in IT has endless possibilities. In today's IT job market, multi-skilling, multi-tasking and cross-skilling are highly valued. Our graduates are well-rounded IT professionals with the ability to meet the future needs of this ever-evolving, fast-paced industry.

As a Master of Information Technology graduate, you may find employment as a business analyst, ICT manager, database specialist, security analyst, solutions architect, software developer, technology consultant, security manager, VR/AR developer or UX designer.

In addition to the ICT industry, our graduates find employment across a wide range of industry sectors such as banking and finance, energy, health, retail, education, defence, sport, transport and government.

## Master of Information Technology (Professional)

Deakin also offers a Master of Information Technology (Professional), designed to build on the specialised information technology skills obtained in the Master of Information Technology and comprises an additional trimester of industry-based learning or a research project under the supervision of our internationally-recognised research staff.

Visit [deakin.edu.au/course/S779](https://deakin.edu.au/course/S779) for further details.

## Interested in applying?

### Entry requirements

Entry will be based on performance in:

- Bachelor Degree or higher in a related discipline OR
- Bachelor Degree or higher in any discipline AND two years relevant work experience OR
- evidence of academic capability judged to be equivalent.

### How to apply

Applications can be made online via [deakin.edu.au/apply](https://deakin.edu.au/apply).

For more information about entry requirements, submitting an application or the application process, please visit [deakin.edu.au/courses/how-to-apply](https://deakin.edu.au/courses/how-to-apply).



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[deakin.edu.au/course/S778](https://deakin.edu.au/course/S778)

While the information provided here was correct at the time of publication, Deakin University reserves the right to alter, amend or delete details of the course and unit offerings. Printed June 2019.