

## Build on your work or study background to develop expertise in key areas driving technological growth.

The Master of Computer Science is for people with an undergraduate degree in a related subject or significant work experience. It is designed for students who wish to study advanced computer science topics to enhance their career prospects.

Moving from deep theory to developing coding solutions, you will tackle real-world problems and develop a skill-set spanning theoretical and algorithmic foundations to cutting-edge developments in computing.

You can choose one of six industry-focused specialisations of growing importance in technology, business and government; big data management; cloud computing; mobile computing; security; software architecture and; web systems and search technology.

You will also undertake a research- or industry-based project in your area of specialisation. This will enhance your understanding of computer science fundamentals, and develop your skills in research, communication and project management.

Graduating with excellent programming skills, you will be able to design, implement and maintain complex software systems. You'll also be equipped to adapt to new advances in the rapidly changing information technology environment.

This program aims to help you develop and apply the knowledge and skills that are essential to be employed as a capable software developer, with potential to move into a leadership role.

It will also provide you with opportunities to undertake further studies in research, including Master of Computer Science by Research and PhD in Computer Science.

### Learning and teaching

Learning experiences will contain a broad mix of study modes, including lectures, tutorials, practical classes, project work and seminars, using face-to-face, online and other flexible delivery mechanisms.

Assessment is designed to give you opportunities to demonstrate your capabilities. You will find that the assessment used may be different for each course, depending on the course objectives and learning outcomes.

You will have access to specialised computer laboratories both for use during scheduled classes and outside scheduled class times. These laboratories provide access to a range of computer environments.

You'll be doing specific courses that focus on work-integrated learning (WIL). You will be assessed on professional work in a real or simulated workplace setting, and receive feedback from those involved in your industry.

### Professional recognition

Graduates are eligible to apply for professional-level membership of the Australian Computer Society.

### Industry connections

The School of Science has substantial links with the ICT industry both within Australia and internationally. Employers and industry professionals are members of the Industry Advisory Committee and have contributed to the initial development and ongoing improvement of the program.

### Career outlook

Upon graduating, you will have the knowledge and skills to solve complex social, economic and technical problems in a computing and technology context and be able to play leading roles in the ICT industry.

Depending on your specialisation, possible careers can include:

- Big data management
- Cloud computing
- Mobile computing
- Security
- Software architecture
- Web systems.

### Program snapshot

Program code: MC061

#### Exit points

Upon completion of the first year of the program (96 credit points), including core courses, you will be eligible to exit the program with the Graduate Diploma in Computer Science.

#### Duration

Full-time: 1.5 years  
Part-time: 3 years

#### Location

City campus

#### Program Manager

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#### How to apply

Direct to RMIT University:  
[rmit.edu.au/programs/apply/direct](http://rmit.edu.au/programs/apply/direct)

#### Fees

To learn how to calculate your fees visit:  
[rmit.edu.au/programs/fees/postgraduate](http://rmit.edu.au/programs/fees/postgraduate)

[rmit.edu.au/programs/mc061](http://rmit.edu.au/programs/mc061)

## Program structure

The Master of Computer Science consists of 144 credit points.

The program includes advanced computer science core courses, five courses from your area or areas of specialisation, one program elective in your first year and a minor thesis or project in your second year.

Upon completion of the first year of the program (96 credit points), you will be eligible to exit the program with the Graduate Diploma in Computer Science.

You can choose one of the following specialisations:

- Big data management
- Cloud computing
- Mobile computing
- Security
- Software architecture
- Web systems and search technology.

<b>Year 1</b>	Algorithms and Analysis	Usability Engineering	Advanced Topic elective	Advanced Topic elective
	Advanced Topic elective	Advanced Topic elective	Advanced Topic elective	Program elective or Advanced Topic elective
<b>Year 2</b>	Research Methods	Minor Thesis		

Compulsory courses
  Program electives
  Program elective

Please note: This is an example of the program structure research stream and program electives. Courses may change and may not be available each semester.

### Entry requirements

You must have one of the following:

- A bachelor degree with a minimum GPA of 2.0 out of 4.0 in computer science; software, computer, or network engineering; or information technology or similar discipline

OR

- Five years, current relevant work experience in programming (web, application, database); software engineering; system, functional or business analysis; information, system or enterprise architecture; ICT management.

### Credit and exemptions

You may be eligible for advanced standing based on industry experience or academic results in your previous studies.

If you have completed one of the following qualifications majoring in software engineering, computer science or information technology, subject to RMIT recognition of prior learning (RPL) policy and AQF volume of learning requirements, you will be eligible for exemptions as follows:

Qualification level	Exemptions	Remaining program duration
Bachelor of Software Engineering, Bachelor of Computer Science, or Bachelor of Information Technology	No exemptions	Minimum of 144 credit points (equivalent to three semesters of full-time study)
Bachelor of Computer Science (Honours)	Up to 48 credit points (equivalent to one semester of full-time study)	Minimum of 96 credit points (equivalent to two semesters of full-time study)
[Cognate] Graduate Diploma in Software Engineering or Computer Science, which require the completion of a bachelors degree in software engineering or computer science as the entry requirement.	Up to 48 credit points (equivalent to one semester of full-time study)	Minimum of 96 credit points (equivalent to two semesters of full-time study)

This information is designed for Australian and New Zealand citizens and permanent residents of Australia.

Disclaimer: Every effort has been made to ensure the information contained in this publication is accurate and current at the date of printing. For the most up-to-date information, please refer to the RMIT University website before lodging your application. Visit [www.rmit.edu.au](http://www.rmit.edu.au). RMIT University CRICOS Provider Code: 00122A. RMIT Registered Training Organisation code: 3046. (14672 0817) Revised October 2018.