The Master's Degree

The Master of Computer Science is a coursework and dissertation programme that caters for software professionals wishing to update and broaden their foundation knowledge and skills, and for students wishing to extend their academic background.

In each semester of this four semester course students choose from a selection of advanced units, covering applied computer science, systems and software engineering. The course includes a communications unit and a capstone individual project on a topic of interest to the student, with supervision from a member of our research staff.

Students can focus on a number of fields, including visualisation, programming paradigms, software engineering practice, networks, systems and security. On the successful completion of the MCompSc, students can be considered for entry into the graduate research school.

What do you study in the Master of Computer Science?

You have excellent opportunities to learn about the new advances in technologies that you will encounter in your future professional career. Depending on your selection of units, you will become proficient in:

- Concurrent and other computational paradigms
- Networking and security
- Web technologies
- Vision and kinematic animation
- Software requirements, quality and management
- AI and neural computing
- Modelling and visualisation

The Graduate Diploma

For students interested in completing a shorter course, the Graduate Diploma in Computer Science offers a similar mix of coursework units and dissertation, that can be completed over two semesters full-time while also providing entry into the graduate research school.

Employment Opportunities

Companies involved in a wide range of software developments in the areas of databases, internet and web technologies, electronic commerce, graphics, visualization and computer vision.

Financial institutions and banks involved in financial software development and maintenance.

Government departments and companies requiring systems, network and web administrators.

Research organisations like the Commonwealth Scientific and Industrial Research Organisation (CSIRO) and universities.

Government Departments involved in computer science and information technology related research and developments.

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