

Master of Computer Science (MCompSc)

Program Code

MCOMS

Program Minimum Units

48

Standard Duration

2 Years

Program Faculty

Faculty of Engineering, Computer and Math Sciences

AQF Level

09

Academic Year

2017

These Program Rules should be read in conjunction with the University's policies (<http://www.adelaide.edu.au/policies>).

Overview

Advanced technical studies in computer science provide an understanding of how software and hardware can be combined to overcome a range of complex challenges. This program has a major research component and high-performing graduates may also proceed to a PhD program. The Master of Computer Science is an AQF Level 9 Masters Extension qualification with a standard full-time duration of 2 years.

Academic Program Rules for Master of Computer Science (MCompSc)

There shall be a Master of Computer Science (MCompSc).

Qualification Requirements

Academic Program

To qualify for the degree of Master of Computer Science, the student must complete satisfactorily a program of study consisting of the following requirements with a combined total of not less than 48 units, comprising:

1. Core courses to the value of 3 units
2. Elective courses to the value of 30 units
3. Research equivalent courses to the value of 15 units in the form of a research project
4. Unless exempted international students are required to take ELEC ENG 7057 Engineering Communication & Critical Thinking in lieu of an elective

Master of Computer Science

To satisfy the requirements for Master of Computer Science students must complete courses to the

value of 48 units.

Core

All of the following courses must be completed:

COMP SCI 7007 [Specialised Programming](#) (3 units)

Electives

Courses to the value of 30 units from the following:

Students must choose one elective from each of the following streams:

Computer Security Stream

COMP SCI 7044 Computer System Security (3 units)

COMP SCI 7092 [Mobile and Wireless Systems](#) (3 units)

Data and Information Management Stream

COMP SCI 7094 [Distributed Databases & Data Mining](#) (3 units)

Networks Stream

COMP SCI 7045 Distributed High Performance Computing (3 units)

COMP SCI 7092 [Mobile and Wireless Systems](#) (3 units)

and

Courses to the value of 21 units from the following:

COMP SCI 7000 [Software Architecture](#) (3 units)

COMP SCI 7005 Adaptive Business Intelligence (3 units)

COMP SCI 7009 Modern Heuristic Methods (3 units)

COMP SCI 7022 [Computer Vision](#) (3 units)

COMP SCI 7023 [Software Process Improvement](#) (3 units)

COMP SCI 7041 Language Translators (3 units)

COMP SCI 7044 Computer System Security (3 units)

COMP SCI 7045 Distributed High Performance Computing (3 units)

COMP SCI 7077 [Solving Engineering Models](#) (3 units)

COMP SCI 7091 Commercialising IT Research (3 units)

COMP SCI 7093 [Evolutionary Computation](#) (3 units)

COMP SCI 7094 [Distributed Databases & Data Mining](#) (3 units)

COMP SCI 7401 [Introduction to Statistical Machine Learning](#) (3 units)

COMP SCI 7402 [Introduction to Geometric Algorithms](#) (3 units)

COMP SCI 7407 [Advanced Algorithms](#) (3 units)

Research Project

All of the following courses must be completed:

COMP SCI 7099A [Master Computer Science Research Project - Part A](#) (9 units)

COMP SCI 7099B [Master Computer Science Research Project - Part B](#) (6 units)

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