MCompSc, MCompSc(Mgmt) GCertCompSc, GDipCompSc

Information Session
Program Academic Advisor, Program Director
Dr Larissa Meinicke (l.meinicke@uq.edu.au)
Recording of this Presentation

*Students, please be aware that this session is being recorded so it can be made available via the Faculty of EAIT orientation page. The reason we are recording the orientation presentation is to make it available for your future reference, and to support students who may not have been able to attend today’s session.*

Suggested options for students not wishing to be recorded:

- Turn off video and mute audio
- Use a proxy name for Zoom (student attendance will still be on record with the Course Coordinator)

Please note that students are not permitted to record teaching without the explicit permission of the Course Co-ordinator. This includes recording classes using Zoom.

For further information:

- PPL 3.20.06 Recording of Teaching at UQ
Two programs

Master of Computer Science (MCompSc)

• Master of Computer Science (#24 units or #16 units)
• Graduate Certificate (#8 units)
• Graduate Diploma (#16 units)

Master of Computer Science (Management)

• #32 units
Master of Computer Science

- Can build your ability to develop, analyze and communicate new ideas
- Can be a pathway to a better job
- May provide an entrance to research degree studies (Research Masters and PhD)
- Gives direct entry to Research Masters Degrees and with high enough results (5.65) to a PhD (if equivalent to First Class Honours)
MCompSc Program - requirements

#24 MCompSc (Program 5522)

Total: #24

Duration: 3 semesters full-time

*you have to enroll in 4 courses every semester

Note: Students with a 4-year degree, GPA at least 5.0 (out of 7.0), at least 16 of IT/CS courses, and a reasonable number of advanced courses, are granted for #16MCompSc (Program 5521)
MCompSc Flexible Core Courses (6 to 20 units)

- **COMP4403** (2 units) Compilers and Interpreters
- **COMP7500** (2 units) Advanced Algorithms & Data Structures
- **COMP7703** (2 units) Machine Learning
- **COMS4105** (2 units) Communication Systems
- **COMS4507** (2 units) Advanced Topics in Security
- **COMS6200** (2 units) Computer Networks II
- **CSSE4004** (2 units) Distributed Computing
- **CSSE4011** (2 units) Advanced Embedded Systems
- **CSSE4630** (2 units) Principles of Program Analysis
- **CSSE7610** (2 units) Concurrency: Theory and Practice
- **DECO6500** (2 units) Advanced Human-Computer Interaction
- **INFS7203** (2 units) Data Mining
- **INFS7205** (2 units) Advanced Techniques for High Dimensional Data
- **INFS7410** (2 units) Information Retrieval and Web Search
- **INFS7450** (2 units) Social Media Analytics

https://my.uq.edu.au/programs-courses/program_list.html?acad_prog=5522
MCompSc Flexible Core Courses (6 to 20 units)

The following courses are offered on an occasional basis:

COMP7000 (2 units) Special Topics in Computer Science 7A
COMP7001 (2 units) Special Topics in Computer Science 7B
CSSE7080 (2 units) Advanced Topics in Computer Systems A
CSSE7081 (2 units) Advanced Topics in Computer Systems B
CSSE7090 (2 units) Advanced Topics in Software Engineering A
CSSE7091 (2 units) Advanced Topics in Software Engineering B
MCompSc Research Courses (4 to 10 units)

**COMP7811** (4 units) Computer Science Research Project

Code for full-time students in year long courses commencing in Semester 1. Students must re-enrol in the same code in Semester 2.

OR

**COMP7812** (4 units) Computer Science Research Project

Code for full-time students in year long courses commencing in Semester 2. Students must re-enrol in the same code in Semester 1 the following year.

**ENGG7811** (2 units) Research Methods

https://my.uq.edu.au/programs-courses/program_list.html?acad_prog=5522
MCompSc Research Courses (4 to 10 units)

The following courses are offered on an occasional basis:

**COMP7840** (4 units) Computer Science Research Project
Code for students completing the course in one semester.

**COMP7860** (6 units) Computer Science Research Project
Code for students completing the course in one semester.

**COMP7861** (6 units) Computer Science Research Project
Code for full-time students in year long courses commencing in Semester 1. Students must re-enrol in the same code in Semester 2.

**COMP7862** (6 units) Computer Science Research Project
Code for full-time students in year long courses commencing in Semester 2. Students must re-enrol in the same code in Semester 1 the following year.

**COMP7880** (8 units) Computer Science Research Project
Code for students completing the course in one semester.

**COMP7881** (8 units) Computer Science Research Project
Code for full-time students in year long courses commencing in Semester 1. Students must re-enrol in the same code in Semester 2.

**COMP7882** (8 units) Computer Science Research Project
Code for full-time students in year long courses commencing in Semester 2. Students must re-enrol in the same code in Semester 1 the following year.

*Note: You need to get Permission from Head of School before choosing them*

https://my.uq.edu.au/programs-courses/program_list.html?acad_prog=5522
Computer Science Research Project (COMP7840)

Course level
Postgraduate Coursework

Faculty
Engineering, Architecture & Information Technology

School
Info Tech & Eloc Engineering

Units
4

Duration
One Semester

Class contact
TBA

Prerequisite
Permission Head of School

Restricted
MCompSc, MCompSc(Mgmt)

Assessment methods
Written and oral reporting

Course coordinator
Dr Konstanty Bialkowski (ksb@itee.uq.edu.au)

Current course offerings

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<td>Semester 2, 2021</td>
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<td>Internal</td>
<td>PROFILE UNAVAILABLE</td>
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Please Note: Course profiles marked as not available may still be in development.

Course description

Substantial research project focusing on a particular area of computer science. Topic to be agreed in consultation with a supervisor. The project will be of suitable complexity for results to be published for an expert audience. Students commencing in semester 1 enrol in COMP7801 for Sem 1 & 2, students commencing in semester 2 enrol in COMP7802 for sem 2 and the following sem 1. Students completing in a single semester enrol in COMP7840.

Archived offerings

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<td>Semester 2, 2018</td>
<td>St Lucia</td>
<td>Internal</td>
<td>COURSE PROFILE</td>
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#4, #6, #8 projects (year or semester long)

Project topics and their academic supervisors are shown in the project database available at

Projects (continuation)

• Most projects requires half reading (research papers), half consequent design and implementation

• It will not be a programming exercise which routinely applies undergraduate material
MCompSc Advanced Undergraduate Elective Courses (0 to 6 units)

- **COMP3301** (2 units) Operating Systems Architecture
- **COMP3506** (2 units) Algorithms & Data Structures
- **COMP3702** (2 units) Artificial Intelligence
- **COMS3200** (2 units) Computer Networks I
- **CSSE3010** (2 units) Embedded Systems Design & Interfacing
- **CSSE3012** (2 units) The Software Process
- **CYBR3000** (2 units) Information Security
- **DECO3500** (2 units) Social & Mobile Computing
- **INFS3200** (2 units) Advanced Database Systems
- **INFS3208** (2 units) Cloud Computing

https://my.uq.edu.au/programs-courses/program_list.html?acad_prog=5522
MCompSc Postgraduate Elective Courses
(0 to 8 units)

BISM7255 (2 units) Business Information Systems Analysis and Design
COSC7502 (2 units) High-Performance Computing
CSSE7100 (2 units) Reasoning about Programs
INFS7202 (2 units) Web Information Systems

https://my.uq.edu.au/programs-courses/program_list.html?acad_prog=5522
A student is required to obtain #24 from the MCompSc list, including—

- 6 to 20 units from MCompSc Flexible Core Courses, and
- 4 to 10 units from MCompSc Research Courses, and
- 0 to 6 units from MCompSc Advanced Undergraduate Elective Courses, and
- 0 to 8 units from MCompSc Postgraduate Elective Courses

Selected courses must include at least 12 units at level 6 or higher.
Selected courses must include at least 8 units at level 7 or higher.
#16 MCompSc Program - requirements (cont)

A student is required to obtain #16 from the MCompSc List, including—

• 2 to 8 units from MCompSc Flexible Core Courses, and
• 4 to 10 units from MCompSc Research Courses, and
• 0 to 4 units from MCompSc Elective Courses

Selected courses must include at least 12 units at level 6 or higher.

Selected courses must include at least 8 units at level 7 or higher.
Certificate and Diploma

Graduate Certificate (#8, 1 semester)

• 0 to 8 units from GCCompSc Flexible Core Courses, and
• 0 to 2 units from GCCompSc Advanced Undergraduate Elective Courses, and
• 0 to 8 units from GCCompSc Postgraduate Elective Courses

Selected courses must include at least 2 units at level 6 or higher.

Graduate Diploma (#16, 2 semesters)

• 8 to 12 units from GDCompSc Flexible Core Courses, and
• 0 to 4 units from GDCompSc Advanced Undergraduate Elective Courses, and
• 0 to 8 units from GDCompSc Postgraduate Elective Courses

Selected courses must include at least 8 units at level 6 or higher.
Further Studies for Graduate Diploma/Certificate

Graduates of the Graduate Diploma/Certificate in Computer Science have the opportunity to progress into the following programs:

- Master of Computer Science
- Master of Computer Science (Management)

Because courses in the graduate diploma/certificate are taken from the master's course list, you can transfer study credits to the higher-level program.
#32 MCompSc(Mgmt) Program - requirements

- MCompSc(Mgmt) is an extension of MCompSc by one semester to accommodate four business/management courses (selected from part D of the program list).

- This program is designed to meet industry demand for professionals with combination of skills in CS/IT and business/management.

- If you need academic advice on these business/management courses, please contact UQ Business School (info@business.uq.edu.au).
MCompSc program rules

Make sure that you read program rules and course list:

For #24 MCompSc:

https://my.uq.edu.au/programs-courses/program.html?acad_prog=5522

(prog=5521 for #16 MCompSc and prog=5523 for MCompSc(Mgmt))
Course selection

• The list of all ITEE courses is at http://www.itee.uq.edu.au/courses
• Each course has a Course Profile
• Course Profile describes the course (its prerequisites, textbook, course content, assessment, etc).
Course approvals

- Elective courses (courses not on the MCompSci list) require approval by Associate Dean (Academic) of EAiT (enquiries@eait.uq.edu.au)

- COMP78XX projects (part C), with the exception of COMP7801 and COMP7802, require ‘permission of Head of School’ and this will create enrolment error. When your course selection is approved by the head of school the error will be overwritten by the Faculty. But you need to find the supervisor who is happy to offer you such kind of projects.
Course enrolment

• Every semester you can consult the program director about course selection and get approval from Associate Dean (Academic) for courses not on MCompSci list.

• Consult the School of Information Technology and Electrical Engineering Coursework Studies Office (78-425, studentenquiries@itee.uq.edu.au) if you have problems with enrolment.
Seek Academic Advice

If you need a face-to-face academic consultancy, please go to Coursework Studies Office (78-425, studentenquiries@itee.uq.edu.au) to book an appointment with the academic advisor/the program director.
Seek Academic Advice

What an academic advisor can do

• To provide advice and recommendation to you on academic things such as course selection

• To give suggestion and recommendation to head of school and dean of faculty on your request/application

What an academic advisor cannot do

• To approve your request or make the final decision