

School of Engineering and Technology

CC54 Master of Information Technology

Software Design and Development Major

Internship Pathway

Full Time Study Plan - Term 1 2019 onwards

Year	Unit Code	Unit Name	CP	Requisites	Ad. Stand	Comp Term /Status
Year 1	PPMP20007**	Project Management Concepts	6			T1 2019
	COIT20248**	Information Systems Analysis and Design	6			T1 2019
	COIT20245**	Introduction to Programming	6			T1 2019
	COIT20246**	ICT Services Management	6			T1 2019
	COIT20256**	Data Structures and Algorithms	6	Pre-req: COIT20245		T2 2019
	COIT20249**	Professionals Skills in Information Communication Technology	6			T2 2019
	COIT20247**	Database Design and Development	6			T2 2019
		<i>Minor/Elective Unit (See Notes on Page 3-4)</i>	6			T2 2019
		<i>Minor/Elective Unit (See Notes on Page 3-4)</i>	6			T3 2019
Year 2	COIT20257**	Distributed Systems: Principles & Development	6	Pre-req: COIT20256		T1 2020
	COIT20258	Software Design: Principles, Models & Patterns	6	Pre-req: COIT20247, COIT20256, and COIT20248		T1 2020
	COIT20259	Enterprise Computing Architecture	6	Pre-req: COIT20256, COIT20247 Co-req: COIT20257, COIT20258		T1 2020
		<i>Minor/Elective Unit (See Notes on Page 3-4)</i>	6			T1 2020
	COIT20276	Postgraduate ICT Internship (See Notes on Page 4-5)	12	Pre-Req Completion of all core and discipline units except COIT20273 which this unit replaces.		T2 2020
Total Units: 15			96			

** Available over Term 3

✓ Completed

CP = Credit Points

DISCLAIMER: This study plan is intended for students commencing the CC54 course and who **ARE** undertaking the Internship pathway. Please note that the Internship pathway is currently **only available to International students**.

For information on the terminology used in the above study plan, please refer to the Glossary on the last page of this document.

MORE DETAILS:

To satisfy the requirements for the award of CC54 Master of Information Technology (Software Design and Development), students following the Internship Pathway must complete 15 units (96 credit points).

Recommended Study Schedule

Students should complete units in an order that is as close as possible to the recommended structure set out in this study plan. Students should concentrate on completing all first year units before moving on to second year units, and all second year units before moving on to third year units.

Course Structure Requirements

In the CC54 Master of Information Technology (Software Design and Development) Internship Pathway, students are required to complete the following course structure:

- 6 Core Units
- 11 Software Design and Development Major Units
- 4 Elective **OR** Minor Units

Course Duration Requirements

Full Time Duration 2 years full time

Part Time Duration 4 years part time

Please also note that if you fail units or take a Leave of Absence, your course duration and completion timeframe may be extended.

Interim Awards CC28 Graduate Certificate in Information Technology
CC33 Graduate Certificate in Project Management
CC46 Graduate Diploma of Information Technology

Exit Awards CC28 Graduate Certificate in Information Technology
CC46 Graduate Diploma of Information Technology

Professional Accreditation

Australian Computer Society (ACS) - Professional Level.

Please note: the ACS accredits each campus individually, therefore students should check the current status of accreditation for newly established locations.

For enquiries concerning eligibility or membership, please refer to the ACS official website: www.acs.org.au

Deferment/Leave of Absence

International students are not permitted to defer their initial offer or take a Leave of Absence unless otherwise discussed with their Home Campus.

Credit Transfer

If you have undertaken study in the last ten years, or have relevant in-formal or non-formal learning, you may be eligible for credit towards your course. Please note that some courses have reduced timeframes within which prior study remains eligible for credit. Please refer to the [CQUni Handbook](#) for specific credit time limits relating to your course.

To submit an application for credit, please refer to the [Credit Calculator](#) or contact the Academic Pathways Team via their email credit@cqu.edu.au. Further information about the credit process can also be found on the [Credit for Prior Learning](#) webpage.

Credit applications should be submitted at least four (4) weeks before the relevant term commences. Applications must be complete with all supporting documentation to be assessed by CQUniversity. CQUniversity cannot obtain documents from other institutions, organisations or individuals.

Elective Listing

Students who do not wish to undertake a minor may study four electives from the elective listing instead.

Please refer to the [CQUni Handbook](#) for further information regarding electives for the Master of Information Technology.

** Students wishing to apply for the Interim Award CC33 Graduate Certificate in Project Management **must** complete the **following three** elective units by their second last term of study.

Elective Choices from CC33 Graduate Certificate in Project Management
PPMP20008 Initiating and Planning Projects
PPMP20009 Leading Lean Projects
PPMP20010 Executing and Closing Projects

If these units are completed in the final term of study, CC33 Graduate Certificate in Project Management cannot be awarded, as it is not possible to receive a Graduate Certificate and a Master's degree in the same term.

Minor Options for students taking the Software Design and Development major

To obtain a minor, students must complete four units. Please note that if you complete a minor, you will **not** need to also complete elective units.

Information Systems and Analysis Minor (4 units)

Students must complete the following two units

- COIT20250 E-Business Systems
- COIT20251 Knowledge Audits for Business Analysis

Plus two of the following units

- COIT20252 Business Process Management
- COIT20253 Business Intelligence using Big Data
- COIT20255 ERP Systems Management

Mobile Application Development Minor (4 units)

Students must complete the following two units

- COIT20268 Responsive Web Design
- COIT20269 Mobile Web Apps

Plus two of the following units

- COIT20270 App Development for Mobile Platforms
- COIT20271 Mobile Game Development
- COIT20260 Cloud Computing for Smart Applications

Networks and Information Security Minor (4 units)

Students must complete the following two units

- COIT20261 Network Routing and Switching
- COIT20262 Advanced Network Security

Plus two of the following units

- COIT20263 Information Security Management
- COIT20264 Network Design
- COIT20267 Computer Forensics
- COIT20277 Introduction to Computational Intelligence

Please also refer to the [CQUni Handbook](#) for further information regarding the minors, in particular, the order in which the minor units must be studied.

Internship Information

Internships are currently only available to International students. In order for students to be eligible for an Internship in their final term of study, students must first ensure they meet the following criteria:

- All units must be completed on the first attempt - students cannot fail a single unit
- All students must follow the course progression as outlined in the table above – the only exception being if students have received credit
- All core and elective units must have been completed prior to enrolling in the Internship unit, COIT20276 Postgraduate ICT Internship

If students meet the above criteria and are eligible to apply for an Internship, students must ensure that they submit their application through the Moodle site by the advised deadline.

For more information on the Internship opportunity, please make contact via this email address:

SETInternships@cqu.edu.au

COIT20276 Postgraduate ICT Internship

This unit is a double-weighted unit (12cp) that students who are completing the Internship do in place of the capstone unit COIT20273 Software Design and Development Project.

Students enrolled in this unit will be placed in a company for a 12-week internship requiring 25-hours per week working within the host company. Students will also undertake an applied research project based on a particular issue within their host organisation. Students must also undertake this unit in the final term of their course.

If you have any questions about your course, please contact the Course Advice Team: spc@cqu.edu.au or by visiting <http://handbook.cqu.edu.au/eforms/index> and filling out the 'Ask a Course Advisor' e-form.

PLEASE CHECK THE CQUNI HANDBOOK FOR ALL TERM AVAILABILITIES AND PRE-REQUISITES AS THEY MAY CHANGE FROM YEAR TO YEAR <http://handbook.cqu.edu.au>

GLOSSARY

- **Course**: A course is the combination of units that contribute towards either a CQUniversity award qualification or non-award study.
- **Course Code**: A course code identifies the specific course a student may be studying at CQUniversity.
- **Unit**: A unit is the individual subject students must complete in order to graduate from their course.
- **Unit Code**: A unit code identifies a specific unit that a student is enrolled in under their course.
- **Pre-Requisite (Pre-Req) Unit**: A pre-req unit is a unit which students must pass before being allowed to enrol in the subsequent unit.
- **Co-Requisite (Co-Req) Unit**: A co-req unit is a unit that must be studied at the same time as another unit.
- **Anti-Requisite (Anti-Req) Unit**: An anti-req unit is an old unit that has been replaced by a new unit and students are not permitted to study the old unit.
- **Credit Points (CP)**: Credit Points are the numerical value of a unit which contributes to the total Credit Points for a course.
- **Core Unit**: A core unit is a compulsory unit that a student must study to meet the requirements of their course.
- **Elective Unit**: An elective unit is a unit within a course that is not compulsory and students may have a choice in what unit they study, provided it meets the elective requirements of their course.
- **Major**: A major is a specific area within a course where a student specialises in and is normally made up of 8 units for undergraduate courses, and 4 units for postgraduate courses. Not all courses have majors.
- **Double Major**: A double major is where students specialise in 2 areas of study and is normally made up of 16 units. Double majors are normally only available in undergraduate courses.
- **Minor**: Like a major, a minor is a specific area within a course where a student specialises and is normally made up of 4 units.
- **Term**: A specified period of time for higher education units in which teaching, learning and assessment occurs. CQUniversity offers 3 Academic Terms per year: Term 1, Term 2 and Term 3.