

## School of Engineering and Technology

### CC54 Master of Information Technology Software Design and Development Major Full Time Course Planner - Term 2 2019 onwards

Year	Unit Code	Unit Name	CP	Requisites	Ad. Stand	Comp Term /Status	
Year 1	PPMP20007**	Project Management Concepts	6			T2 2019	
	COIT20248 **	Information Systems Analysis and Design	6			T2 2019	
	COIT20245**	Introduction to Programming	6			T2 2019	
	COIT20246**	ICT Services Management	6			T2 2019	
	COIT20256**	Data Structures and Algorithms	6	Pre-Req COIT20245		T1 2020	
	COIT20249**	Professionals Skills in Information Communication Technology	6			T1 2020	
	COIT20247**	Database Design and Development	6			T1 2020	
		<i>Minor/Elective Unit (See Notes on Page 3-4)</i>		6			T1 2020
Year 2	COIT20257**	Distributed Systems: Principles and Development	6	Pre-Req COIT20256		T2 2020	
	COIT20258	Software Engineering	6	Pre-Req COIT20247, COIT20256, and COIT20248		T2 2020	
	COIT20259	Enterprise Computing Architecture	6	Pre-Req COIT20256, COIT20247 Co-Req COIT20257, COIT20258		T2 2020	
		<i>Minor/Elective Unit (See Notes on Page 3-4)</i>		6			T2 2020
	COIT20273	Software Design and Development Project	12	Pre-Req PPMP20007, COIT20258 Co-Req COIT20259, COIT20257		T1 2021	
		<i>Minor/Elective Unit (See Notes on Page 3-4)</i>		6			T1 2021
		<i>Minor/Elective Unit (See Notes on Page 3-4)</i>		6			T1 2021
	<b>Total Units: 15</b>			<b>96</b>			

\*\* Available over Term 3

✓ Completed

CP = Credit Points

**DISCLAIMER:** This Course Planner is intended for students commencing the CC54 course and who **ARE NOT** 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 Course Planner, please refer to the Glossary on the last page of this document.**

**Important Note:** This Course Planner has no formal or legal status but is used to assist students in planning their course. Students should refer to the official University database and/or University transcripts to ensure they are meeting course requirements.  
 Last Updated: 08/01/2019

## MORE DETAILS:

To satisfy the requirements for the award of CC54 Master of Information Technology (Software Design and Development), students 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 Course Planner. 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), 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](http://www.acs.org.au)

## Deferment/Leave of Absence

Domestic students in the Master of Information Technology (Software Design and Development) degree are permitted to defer the initial offer of their degree for a maximum of 12 months before their offer is withdrawn. Furthermore, domestic students may also take an approved Leave of Absence (LOA) once they have commenced their course of study however only a maximum of 12 months can be granted without requesting further approval from the Head of Course.

You can apply for a deferment or LOA [here](#).

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](mailto: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 4 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.

If you have any questions about your course, please contact the Course Advice Team: [spc@cqu.edu.au](mailto: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.