## School of Engineering and Technology

### CC54 Master of Information Technology
Software Design and Development Major
Full Time Study Plan - Term 1 2019 onwards

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

** Available over Term 3
✓ Completed
CP = Credit Points

**DISCLAIMER:** This study plan 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 study plan, please refer to the Glossary on the last page of this document.

**Important Note:** This Study Plan 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.
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 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), 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

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<tr>
<th>Duration Type</th>
<th>Duration</th>
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<tbody>
<tr>
<td>Full Time Duration</td>
<td>2 years full time</td>
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<tr>
<td>Part Time Duration</td>
<td>4 years part time</td>
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</tbody>
</table>

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)

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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. 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.

<table>
<thead>
<tr>
<th>Elective Choices from CC33 Graduate Certificate in Project Management</th>
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<tbody>
<tr>
<td>PPMP20008 Initating and Planning Projects</td>
</tr>
<tr>
<td>PPMP20009 Leading Lean Projects</td>
</tr>
<tr>
<td>PPMP20010 Executing and Closing Projects</td>
</tr>
</tbody>
</table>

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 or by visiting http://handbook.cqu.edu.au/eforms/index and filling out the ‘Ask a Course Advisor’ e-form.

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

**Important Note:** This Study Plan 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.
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.