**School of Engineering and Technology**

**CQ18 Bachelor of Information Technology**

**Application Development Major**

**Interactive Media Development Minor**

**Internship Pathway**

**Full Time Course Planner – Term 2 2022 onwards**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Year** | **Unit Code** | **Unit Name** | **CP** | **Requisites** | **Ad. Stand** | **Comp Term**  **/Status** |
| **Year 1** | **COIT11226 \*\*** | System Analysis | 6 |  |  | **✓** |
| **COIT11222 \*\*** | Programming Fundamentals | 6 |  |  | **✓** |
| **COIT11238 \*\*** | Networked Infrastructure Foundations | 6 |  |  | **✓** |
| **COIT11239 \*\*** | Professional Communications for ICT | 6 | Anti-Req COM11003 |  | **✓** |
| **COIT11134** | Object Oriented Programming | 6 | Pre-Req COIT11222 |  | **✓** |
| **COIT11237** | Database Design & Implementation | 6 | Pre-Req COIT11226 |  | **✓** |
| **COIS13034** | Cloud Based Smart Applications Management  ***Level 3 Elective*** | 6 | Pre-Req COIT11222 & COIT11238 |  | **✓** |
| **COIT12209** | Data Science  ***Elective*** | 6 | Pre-Req COIT11226  Co-Req COIT11237 |  | **✓** |
| **Year 2** | **COIS12036** | Human-Computer Interaction | 6 | Pre-Req COIT11222 |  | **✓** |
| **COIT12208** | ICT Project Management | 6 | Pre Req COIT11226 |  | **✓** |
| **MRKT11029** | Marketing Fundamentals  ***Elective*** | 6 |  |  | **✓** |
| **DGTL11006** | Coding Fundamentals  ***Interactive Media Development Minor*** | 6 |  |  | **✓** |
| **COIT12200** | Software Design & Development | 6 | Pre-Req COIT11134 & COIT11237 |  | **T1 2024**  **Enrolled** |
| **COIT13229** | Applied Distributed Systems | 6 | Pre-Req COIT11134 |  | **T1 2024** |
| **COIT13234** | Mobile Software Development | 6 | Pre-Req COIT11134 & COIT12036 |  | **Enrolled** |
| **MMST12017** | Game Design  ***Interactive Media Development Minor*** | 6 | Pre-Req DGTL11006 or MMST11002 |  | **T1 2024** |
| **Year 3** | **COIT12207** | Internet Applications | 6 | Pre-Req COIT11237, COIT11222 & COIS12036 |  | **T2 2024** |
| **COIT13235** | Enterprise Software Development | 6 | Pre-Req COIT11134 & COIT11237 |  | **T2 2024** |
| **COIT12204** | Web Site Development  ***Interactive Media Development Minor*** | 6 | Pre-Req COIS12036 & (COIT11237 or COIT12167) |  | **T2 2024** |
| **DGTL13007** | Game Development  ***Interactive Media Development Minor*** | 6 | Pre-Req MMST12017 |  | **T2 2024** |
| **COIS12073** | Enterprise Systems  ***Elective*** | 6 | Pre-Req 48CP |  | **T3 2024** |
| **COIT11223 \*\*** | Information Technology and Society | 6 | Co-Req COIT11239 |  | **T3 2024** |
| **COIT13239** | Undergraduate ICT Internship  *(See Notes on Page 3)* | 12 | Pre-Req Completion of all other units within CQ18 & No failed units |  | **T1 2025** |
| **Total Units: 23** | | | **144** |  | | |

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

**DISCLAIMER:** International students **MUST** enrol in both compulsory Terms (Term 1 & 2) to achieve an academic load of 48 credit points in an academic year to successfully complete their course in accordance with the Confirmation of Enrolment (CoE) duration. If International students fail to enrol in an academic load of 48 credit points per year, it is compulsory they study over Term 3.

**DISCLAIMER:** This course planner has been designed for students who **ARE** completing an internship.

**MORE DETAILS:**

**Graduation Statement**

The Bachelor of Information Technology is an undergraduate degree consisting of 144 credit points, taught in English, which has a duration of 3 years full-time or 6 years part-time equivalent. Students may be eligible to graduate with a Major in one of the following: Cyber Security, Application Development, or Business Analysis. The Bachelor of Information Technology is located at level 7 of the Australian Qualifications Framework.

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.

**Inherent Requirements**

For the full list of Inherent Requirements relevant to CQ18 Bachelor of Information Technology, please view the ‘Getting Started/Inherent Requirements’ section of the [CQUni Handbook](https://handbook.cqu.edu.au/he/courses/view/CQ18).

**Course Duration Requirements**

Full Time Duration 3 Years Full Time

Part Time Duration 6 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** CM24 Undergraduate Certificate in Information Technology

CG36 Diploma of Information and Communications Technology

CA99 Associate Degree of Information Technology

**Exit Awards** CM24 Undergraduate Certificate in Information Technology

CG36 Diploma of Information and Communications Technology

CA99 Associate Degree 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).

**Course Structure Requirements**

In the CQ18 Bachelor of Information Technology (Application Development), students are required to complete the following course structure:

* 8 Core Units
* 7 Application Development Major Units
* 4 Elective Units
* 1 Minor

**Electives**

In order for CQ18 students to satisfy their Elective Unit requirements, they must follow the below rules:

* Electives may include any unit from the CQ18 Majors or Minors provided all pre-requisite and co-requisite requirements have been satisfied;
* At least one of your electives must be a Level 3;
  + Undergraduate Level One Unit Codes begin with a “11” (e.g. COIS11011)
  + Undergraduate Advanced Level Unit Codes begin with either a “12”, “13”, or “19” (e.g. COIT12204)

Students may also choose to select their Elective Units from the list below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Unit Code** | **Unit Name** | **CP** | **Requisites** | **Term Availabilities** |
| **COIS11011** | Foundations of Business Computing | 6 |  | Available in Term 1 ONLY |
| **COIS13034** | Cloud Based Smart Applications Management | 6 | Pre-Req COIT11222 & COIT11238 | Available in Term 1 ONLY |
| **COIT12211** | Introduction to Blockchain Technologies | 6 | Pre-Req COIT11238 | Available in Term 1 ONLY |
| **COIT12212** | Cyber Security Management | 6 | Pre-Req COIT11238 & COIT11223 | Available in Term 2 ONLY |
| **COIT12204** | Web Site Development | 6 | Pre-Req COIS12036 & COIT11237 | Available in Term 2 ONLY |
| **COIT12209** | Data Science | 6 | Pre-Req COIT11226  Co-Req COIT11237 | Available in Term 2 ONLY |
| **COIT12073** | Enterprise Systems | 6 | Pre-Req complete 48 credit points | Available in Term 2 & 3 annually |

**Minors**

Students in the CQ18 Bachelor of Information Technology course must complete one minor from the list below.

**Animation and Motion Graphics Minor**

* DGTL11001 Foundations of Animation
* DGTL12012 Motion Graphics and Visual Effects
* MMST12019 3D Computer Graphics
* DGTL13009 3D Character Design

**Business Analysis Minor**

* COIT11240 Dashboard Design and Visualisation
* COIS12073 Enterprise Systems
* COIT12203 Workflow Analysis & Management
* COIT13231 Enterprise Analysis and Modelling

**Cyber Security Minor**

* COIT11241 Cyber Security Technologies
* COIT12202 Network Security Concepts
* COIT12206 TCP/IP Principles and Protocols
* COIT13146 System and Network Administration

**Emerging Technologies Minor**

* COIT12211 Introduction to Blockchain Technologies
* COIT12213 Applied Artificial Intelligence
* COIS13034 Cloud Based Smart Applications Management
* COIT11241 Cyber Security Technologies OR COIT12209 Data Science

**Entrepreneurship Minor**

* MGMT11109 Introduction to Business
* MRKT11029 Marketing Fundamentals
* MGMT13151 Entrepreneurship, Innovation and Start-ups
* MRKT13014 New Product Development and Branding

**ICT Management Minor**

* COIS11011 Foundations of Business Computing
* COIT12205 Knowledge Management Principles
* COIT12212 Cyber Security Management
* MGMT19128 Strategy and Change

**Interactive Media Development Minor**

* DGTL11006 Coding Fundamentals
* MMST12017 Game Design
* COIT12204 Web Site Development
* DGTL13007 Game Development

**Mathematics Minor**

* MATH11246 Essentials of Applied Mathematics
* MATH12223 Calculus A
* MATH12224 Calculus B
* MATH13217 Linear Algebra and Vectors

**Practicum/Work Integrated Learning (WIL) Requirements**

Students are able to undertake discipline capstone units while working with industry partners. The capstone units are COIT13230 Application Development Project, COIT13232 Business Analysis Project and COIT13236 Network Security Project.

**Internship Information**

*COIT13239 Undergraduate ICT Internship*

Students in the CQ18 Bachelor of Information Technology course have the option of undertaking an internship instead of the capstone unit within their chosen Major as outlined below:

* COIT13230 Application Development Project
* COIT13232 Business Analysis Project
* COIT13236 Network Security Project

In order to be eligible for an internship, students must first ensure that all other units are completed prior to the required capstone unit and that all units are passed on the first attempt (no fails).

**Foundations of Academic Integrity**

CQUniversity values academic honesty and integrity. As a student, we want to ensure that you understand the ethical behaviour required of you with your studies, in particular your assessment tasks. To help build your confidence and capacity, we have developed an academic integrity module that we are asking you to undertake as part of your studies.

Each year, for the length of your time as a student at CQUniversity, you will be required to complete this academic integrity training module. The module will help you to understand what is expected from you and how you can make the most of your learning experiences. Upon starting your course and again on the anniversary of starting your current course, you will be unable to access any Unit Moodle sites until you have completed the academic integrity training.

All Higher Education students as well as VET Diploma level students are required to complete the training.  Further information can be found in [MyCQU](https://sportal.cqu.edu.au/campaigns/academic-integrity), your student portal.

If you have any questions about your course, please contact the Course Advice Team by visiting <http://handbook.cqu.edu.au/eforms/index> and submitting an [‘Ask a Course Advisor’](https://spectre.cqu.edu.au/survey/surveys/response/52858738-88a8-4335-9537-2a58c0a8141b) 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**](http://handbook.cqu.edu.au)