

PROGRAM PLAN

BACHELOR OF COMPUTER SCIENCE

Cyber Security Major

PROGRAM OPTION:
Commencing in Semester 1

START DATE:
2020 - 2021

LOCATION:
Callaghan

This Program Plan is an enrolment guide to ensure you are on track to graduate. If at any time you wish to vary from this program plan seek advice from your Academic Program Advisor to ensure you remain on track.

 [PROGRAM HANDBOOK](#)

 [COURSE HANDBOOK](#)

NAME:

STUDENT NO.:

COURSE STATUS KEY

C = Completed

En = Enrolled

NS = Not Started

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|--------|------------|---|---|--|--|------------|--|---|---|---|---|---|
| YEAR 1 | SEMESTER 1 | COMP1010 Computing Fundamentals CORE | ELECTIVE ELECTIVE | MATH1110 Mathematics for Engineering, Science and Technology 1 CORE <i>Replaces option of MATH1110 OR MATH1210</i> | SENG1110 Object Oriented Programming CORE | SEMESTER 2 | COMP1140 Database and Information Management CORE | MATH1510 Discrete Mathematics CORE | SENG1050 Web Technologies CORE | SENG1120 Data Structures CORE | | |
| | | COMP2270 Theory of Computation CORE | COMP3260 Data Security COMPULSORY | INFT2031 Systems and Network Administration COMPULSORY | SENG2130 Systems Analysis and Design CORE | | SEMESTER 2 | COMP2230 Algorithms CORE | COMP2240 Operating Systems CORE | SENG2250 System and Network Security CORE | SENG2260 Human-Computer Interaction CORE | |
| | | COMP3500 Security Attacks: Analysis and Mitigation Strategies COMPULSORY | COMP3851A Computer Science and Information Technology Work Integrated Learning Part A CORE | DIRECTED DIRECTED | INFT3800 Professional Practice in Information Technology CORE | | | SEMESTER 2 | COMP3600 Security Standards and Practices in Industry COMPULSORY | COMP3851B Computer Science and Information Technology Work Integrated Learning Part B CORE | DIRECTED DIRECTED | ELEC3500 Telecommunication Networks CORE |
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To be eligible to graduate make sure you have completed 240 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

- Core and Compulsory courses – 210 units.
- Directed courses – 20 units.
- Elective courses – 10 units.
- The duration of this program is 3 years full-time (40 units per semester) or part-time equivalent.
- The maximum time to complete this program is 8 years.
- **Prior to 2021**, students could choose to complete either MATH1110 **OR** MATH1210. Choice of maths courses is based on your assumed knowledge. To find out which MATH course you should enrol in please see the [Enrolling in Maths information](#). More information is in your [Program Handbook](#).
- **After 2021**, the option to do MATH1210 has been removed from the program. **From 2021 onwards**: if you have not yet completed MATH1210 you must complete MATH1110.
- Transition information – students who commenced study in this program prior to 2020 may be affected by transition arrangements. Please refer to the [Program Handbook](#) for further information.



Some courses have assumed knowledge and/or requisites, please refer to the individual [Course Handbook](#). Please refer to the [Program Handbook](#) for specific information on program structure. If you are intending varying from this program plan please seek advice from your [Academic Program Advisor](#).

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DIRECTED COURSES

CYBER SECURITY MAJOR

Complete 20 units from:

COMP3330: Machine Intelligence
COMP3340: Data Mining
COMP3350: Advanced Database
INFT2051: Mobile Application Programming
INFT3050: Web Programming
INFT3100: Project Management
SENG3320: Software Verification and Validation
SENG4430: Software Quality