

# PROGRAM PLAN

## MASTER OF CYBER SECURITY

**START DATE:**  
Semester 1, Semester 2, 2019-2021

**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 Program Advisor to ensure you remain on track.

 **PROGRAM HANDBOOK**  
 **COURSE HANDBOOK**

**NAME:** XXXX  
**STUDENT NO.:** XXXX

### COURSE STATUS KEY

**C** = Completed  
**En** = Enrolled  
**NS** = Not Started

### COMMENCING IN SEMESTER 1 – 160 UNIT PATHWAY

FULL TIME STUDY | ON CAMPUS INTERNATIONAL STUDENTS MUST UNDERTAKE THE FULL-TIME ENROLMENT PLAN

YEAR 1	SEMESTER 1	COMP6360 Data Security CORE	LAWS6087 Internet Law CORE	DIRECTED	DIRECTED	SEMESTER 2	ENGG6500 Engineering Complexity CORE	SENG6250 System and Network Security CORE	DIRECTED	DIRECTED
	SEMESTER 1	COMP6500 Security Attacks: Analysis & Mitigation Strategies CORE	SENG6210A Software Engineering Masters Project Part A CORE	DIRECTED	ELECTIVE 6000 level		SEMESTER 2	COMP6600 Security Standards & Practices in Industry CORE	SENG6210B Software Engineering Masters Project Part B CORE	DIRECTED

### COMMENCING IN SEMESTER 2 – 160 UNIT PATHWAY

FULL TIME STUDY | ON CAMPUS INTERNATIONAL STUDENTS MUST UNDERTAKE THE FULL-TIME ENROLMENT PLAN

YEAR 1	SEMESTER 1	COMP6360 Data Security CORE	COMP6500 Security Attacks: Analysis & Mitigation Strategies CORE	LAWS6087 Internet Law CORE	SENG6210A Software Engineering Masters Project Part A CORE	SEMESTER 2	ENGG6500 Engineering Complexity CORE	SENG6250 System and Network Security CORE	DIRECTED	DIRECTED
	SEMESTER 1	DIRECTED	DIRECTED	DIRECTED	ELECTIVE 6000 level		SEMESTER 2	COMP6600 Security Standards & Practices in Industry CORE	SENG6210B Software Engineering Masters Project Part B CORE	DIRECTED
YEAR 2	SEMESTER 1	COMP6360 Data Security CORE	COMP6500 Security Attacks: Analysis & Mitigation Strategies CORE	LAWS6087 Internet Law CORE	SENG6210A Software Engineering Masters Project Part A CORE	SEMESTER 2	COMP6600 Security Standards & Practices in Industry CORE	SENG6210B Software Engineering Masters Project Part B CORE	DIRECTED	ELECTIVE 6000 level
YEAR 3	SEMESTER 1	DIRECTED	DIRECTED	DIRECTED	ELECTIVE 6000 level					

# PROGRAM PLAN

## MASTER OF CYBER SECURITY

### COMMENCING IN SEMESTER 1 – 120 UNIT PATHWAY

FULL TIME STUDY | ON CAMPUS INTERNATIONAL STUDENTS MUST UNDERTAKE THE FULL-TIME ENROLMENT PLAN

YEAR 1	SEMESTER 1	<b>COMP6500</b> Security Attacks: Analysis & Mitigation Strategies <b>CORE</b>	<b>COMP6360</b> Data Security <b>CORE</b>	<b>LAWS6087</b> Internet Law <b>CORE</b>	<b>SENG6210A</b> Software Engineering Masters Project Part A <b>CORE</b>	SEMESTER 2	<b>ENGG6500</b> Engineering Complexity <b>CORE</b>	<b>SENG6250</b> System and Network Security <b>CORE</b>	<b>COMP6600</b> Security Standards & Practices in Industry <b>CORE</b>	<b>SENG6210B</b> Software Engineering Masters Project Part B <b>CORE</b>
	SEMESTER 1	DIRECTED	DIRECTED	DIRECTED	ELECTIVE 6000 level					

### COMMENCING IN SEMESTER 2 – 120 UNIT PATHWAY

FULL TIME STUDY | ON CAMPUS INTERNATIONAL STUDENTS MUST UNDERTAKE THE FULL-TIME ENROLMENT PLAN

YEAR 1						SEMESTER 2	<b>ENGG6500</b> Engineering Complexity <b>CORE</b>	<b>SENG6250</b> System and Network Security <b>CORE</b>	DIRECTED	DIRECTED
	SEMESTER 1	<b>COMP6360</b> Data Security <b>CORE</b>	<b>COMP6500</b> Security Attacks: Analysis & Mitigation Strategies <b>CORE</b>	<b>LAWS6087</b> Internet Law <b>CORE</b>	<b>SENG6210A</b> Software Engineering Masters Project Part A <b>CORE</b>	SEMESTER 2	<b>COMP6600</b> Security Standards & Practices in Industry <b>CORE</b>	<b>SENG6210B</b> Software Engineering Masters Project Part B <b>CORE</b>	DIRECTED	ELECTIVE 6000 level

# PROGRAM PLAN

## MASTER OF CYBER SECURITY

COMMENCING IN SEMESTER 1 – 80 UNIT PATHWAY

FULL TIME STUDY | ON CAMPUS INTERNATIONAL STUDENTS MUST UNDERTAKE THE FULL-TIME ENROLMENT PLAN

YEAR 1	SEMESTER 1	<b>COMP6500</b> Security Attacks: Analysis & Mitigation Strategies <b>CORE</b>	<b>COMP6360</b> Data Security <b>CORE</b>	<b>LAWS6087</b> Internet Law <b>CORE</b>	<b>SENG6210A</b> Software Engineering Masters Project Part A <b>CORE</b>
		<b>SENG6210B</b> Software Engineering Masters Project Part B <b>CORE</b>	<b>COMP6600</b> Security Standards & Practices in Industry <b>CORE</b>	<b>SENG6250</b> System and Network Security <b>CORE</b>	<b>ENGG6500</b> Engineering Complexity <b>CORE</b>
	SEMESTER 2				

# PROGRAM PLAN

## MASTER OF CYBER SECURITY

To be eligible to graduate make sure you have completed your required number of units following either the 160 unit pathway, the 120 unit pathway, or the 80 unit pathway which meet the following criteria:

- 160 Unit Pathway: 80 units of Core courses, 60 units of Directed courses, and 20 units of Electives.
- 120 Unit Pathway: 80 units of Core courses, 30 units of Directed courses, and 10 units of Electives.
- 80 Unit Pathway: 80 units of Core courses. This pathway is only available to students who commence in Semester 1 each year.
- SENG6210A Masters Project Part A and SENG6210B Masters Project Part B are a multi-term sequence of courses which must be completed in consecutive semesters. Students must successfully complete Part A before attempting Part B. Students must successfully complete both Part A and Part B to meet the requirements of the multi-term sequence.
- When selecting Directed courses students need to be aware they can complete a maximum of 60 units at 4000 level and a maximum of 20 units at 3000 level. All Electives must be completed at postgraduate 6000 level. Visit the [Program Handbook](#) for more information
- The recommended duration of this program is 2 years full time or part time equivalent.
- The maximum time to complete this program is 6 years.
- The above enrolment pattern complies with the conditions of international student visas. Failing to follow this enrolment advice may result in international students not being able to graduate within the period of their Confirmation of Enrolment.
- The Education Services for Overseas Students requires students on a student visa to take no more than one third of their program online or by distance education and to be enrolled in at least one face-to-face course in each compulsory term



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](#).

# PROGRAM PLAN

## MASTER OF CYBER SECURITY

### MASTER OF CYBER SECURITY

#### DIRECTED COURSES

160 Unit Pathway: Choose 60 units of Directed courses:

120 Unit Pathway: Choose 30 units of Directed courses:

**INFT2031** Systems & Network Administration

**INFT3100** Project Management

**BUSN4100** Business Research Methods

**COMP4110** Special Topic A

**COMP4120** Special Topic B

**COMP4130** Special Topic C\*\*

**COMP4240** Special Topic G\*\*

**SENG4211A** Software Engineering Final Year Project Part A\*

**SENG4211B** Software Engineering Final Year Project Part B\*

**SENG4400** Enterprise Software Architectures

**SENG4430** Software Quality

**COMP6240** Operating Systems

**GSBS6001** Managing Under Uncertainty

**GSBS6004** Organisational Behaviour and Design

**GSBS6012** Entrepreneurship and Innovation

**GSBS6100** Negotiation and Conflict Resolution

**GSBS6514** Leadership in Contemporary Organisations

**SENG6320** Software Verification and Validation

\***SENG4211A** and **SENG4211B** are multi-term sequence courses which must be completed in consecutive semesters. Students must successfully complete Part A before attempting Part B. Students must successfully complete both Part A and Part B to meet the requirements of the multi-term sequence.

\*\*Removed from the Program in 2021

If you have not already completed this course prior to 2021 then you choose a different Directed course in the above list:

**COMP4130** Special Topic C

**COMP4240** Special Topic G