PROGRAM PLAN

MASTER OF GEOSPATIAL ENGINEERING AND SURVEYING

START DATE:
Semester 1, Semester 2, 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: 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	ENGG3500 Managing Engineering Projects **CORE**	SURV6110 Industrial Surveying **CORE**	SURV6410 Astronomy & Satellite Positioning **CORE**	SURV6510 Geodesy **CORE**
	SEMESTER 2	SURV3650 GIS and Remote Sensing **CORE**	SURV6610 Photogrammetry **CORE**	DIRECTED	DIRECTED
YEAR 2	SEMESTER 1	DIRECTED	DIRECTED	DIRECTED	SURV6460A MPE Thesis A **CORE**
	SEMESTER 2	SURV6460B MPE Thesis B **CORE**	ENGG6500 Engineering Complexity **CORE**	DIRECTED	DIRECTED

COMPULSORY PROFESSIONAL PRACTICE: INDUSTRIAL EXPERIENCE 12 WEEKS

COMMENCING IN SEMESTER 2 – 160 UNIT PATHWAY

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

YEAR 1	SEMESTER 2	SURV6610 Photogrammetry **CORE**	DIRECTED	DIRECTED	DIRECTED
YEAR 2	SEMESTER 1	ENGG3500 Managing Engineering Projects **CORE**	SURV6110 Industrial Surveying **CORE**	SURV6410 Astronomy & Satellite Positioning **CORE**	SURV6510 Geodesy **CORE**
	SEMESTER 2	SURV6460A MPE Thesis A **CORE**	ENGG6500 Engineering Complexity **CORE**	SURV3650 GIS and Remote Sensing **CORE**	DIRECTED
YEAR 3	SEMESTER 1	DIRECTED	DIRECTED	DIRECTED	SURV6460B MPE Thesis B **CORE**

COMPULSORY PROFESSIONAL PRACTICE: INDUSTRIAL EXPERIENCE 12 WEEKS

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MASTER OF GEOSPATIAL ENGINEERING AND SURVEYING

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	DIRECTED	DIRECTED	DIRECTED	SURV6460A MPE Thesis A **CORE**	SEMESTER 2	SURV6460B MPE Thesis B **CORE**	ENGG6500 Engineering Complexity **CORE**	DIRECTED	DIRECTED

COMMENCING IN SEMESTER 2 – 80 UNIT PATHWAY

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

						SEMESTER 2	SURV6460A MPE Thesis A **CORE**	ENGG6500 Engineering Complexity **CORE**	DIRECTED	DIRECTED
YEAR 1	SEMESTER 1	DIRECTED	DIRECTED	DIRECTED	SURV6460B MPE Thesis B **CORE**					

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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160 Unit Pathway – directed courses

Subject to change – please see the **program handbook** for the most up-to-date information

DIRECTED COURSES
Complete 70 units from:

ARBE6312 Sustainable Development*
ARBE6406 Negotiation & Conflict Resolution
CIVL6330 Hydrology
CIVL6400 Water Engineering
CIVL6431 Land Surface Process and Management
COMP6140 Database and Information Management
COMP6370 Computer Graphics
COMP6380 Machine Intelligence
ELEC6400 Signal Processing
ENVS6500 Business and the Natural Environment
ENVS6510 Environmental Legislation and Policy
ENVS6545 Impact Assessment and Climate Change Policy
GSBS6001 Managing Under Uncertainty
GSBS6002 Foundations of Business Analysis
GSBS6012 Entrepreneurship and Innovation
GSBS6200 Financial and Management Accounting
GSBS6484 Corporate Governance and Social Responsibility
INFO6001 Database Management 1
INFO6002 Database Management 2
INFT6201 Big Data
INFT6304 Project Planning and Management
LEGL6004 Law for Workplace Health & Safety
OHSE6070 Workplace Health and Safety Management
SURV6350 Analysis of Observations
SURV6720 Land Valuation
SURV6730 Town Planning

***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:
ARBE6312 Sustainable Development

80 Unit Pathway – directed courses

Subject to change – please see the **program handbook** for the most up-to-date information

DIRECTED COURSES
Complete 50 units from:

ARBE6312 Sustainable Development*
ARBE6406 Negotiation & Conflict Resolution
CIVL6330 Hydrology
CIVL6400 Water Engineering
CIVL6431 Land Surface Process and Management
COMP6140 Database and Information Management
COMP6370 Computer Graphics
COMP6380 Machine Intelligence
ELEC6400 Signal Processing
ENVS6500 Business and the Natural Environment
ENVS6510 Environmental Legislation and Policy
ENVS6545 Impact Assessment and Climate Change Policy
GSBS6001 Managing Under Uncertainty
GSBS6002 Foundations of Business Analysis
GSBS6012 Entrepreneurship and Innovation
GSBS6200 Financial and Management Accounting
GSBS6484 Corporate Governance and Social Responsibility
INFO6001 Database Management 1
INFO6002 Database Management 2
INFT6201 Big Data
INFT6304 Project Planning and Management
LEGL6004 Law for Workplace Health & Safety
OHSE6070 Workplace Health and Safety Management
SURV6110 Industrial Surveying
SURV6350 Analysis of Observations
SURV6410 Astronomy and Satellite Positioning
SURV6510 Geodesy
SURV6610 Photogrammetry
SURV6720 Land Valuation
SURV6730 Town Planning

***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:
ARBE6312 Sustainable Development

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160 unit pathway – to be eligible to graduate make sure you have completed 160 units which meet the following criteria:

- **Core** courses – 90 units
  SURV6460A MPE Thesis A and **SURV6460B** MPE Thesis B are a multi-term sequence of courses which must be completed in consecutive semesters, with Part A required before Part B. Students must successfully complete both Part A and Part B to meet the requirements of the multi-term sequence.
- **Directed** courses – 70 units
- Students must undertake 12 weeks of approved **industrial experience**
- 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

80 unit pathway – to be eligible to graduate make sure you have completed 80 units which meet the following criteria:

- **Core** courses – 30 units
  SURV6460A MPE Thesis A and **SURV6460B** MPE Thesis B are a multi-term sequence of courses which must be completed in consecutive semesters, with Part A required before Part B. Students must successfully complete both Part A and Part B to meet the requirements of the multi-term sequence.
- **Directed** courses – 50 units
- The recommended duration of this program is 1 year full time or part time equivalent.
- The maximum time to complete this program is 4 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