

Master of Professional Engineering (Environmental)



Commencing in Semester 1 2017 - 2020



Studying at 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 prior advice from your [Program Advisor](#) to ensure you remain on track.

ONE YEAR PROGRAM

Semester 1

DIRECTED	DIRECTED	DIRECTED	CIVL6460A MPE Thesis A
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Semester 2

CIVL6460B MPE Thesis B	DIRECTED	DIRECTED	DIRECTED
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TWO YEAR PROGRAM

Semester 1

DIRECTED	DIRECTED	ENGG3500 Managing Engineering Projects	CIVL6330 Hydrology
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Semester 2

CIVL6400 Water Engineering	CIVL6431 Land Surface Process and Management	CIVL6470 Contaminant Hydrogeology	SURV3650 Spatial Data Systems and Remote Sensing
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DIRECTED	DIRECTED	CIVL4591 Environmental Engineering Project 1	CIVL6460A MPE Thesis A
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CIVL6460B MPE Thesis B	ENGG6500 Engineering Complexity	CIVL6410 Hydrobiological Modelling	DIRECTED
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Program Plan Key:

= Core

= Directed

Master of Professional Engineering (Environmental)



Commencing in Semester 2 2017 - 2020



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ONE YEAR PROGRAM

Semester 1

DIRECTED	DIRECTED	DIRECTED	CIVL6460B MPE Thesis B
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Semester 2

CIVL6460A MPE Thesis A	DIRECTED	DIRECTED	DIRECTED
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TWO YEAR PROGRAM

Semester 1

DIRECTED	DIRECTED	ENGG3500 Managing Engineering Projects	CIVL6330 Hydrology
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DIRECTED	DIRECTED	CIVL4591 Environmental Eng Project 1	CIVL6460B MPE Thesis B
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Semester 2

CIVL6410 Hydrobiological Modelling	CIVL6470 Contaminant Hydrogeology	SURV3650 Spatial Data Systems and Remote Sensing	DIRECTED
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CIVL6460A MPE Thesis A	CIVL6400 Water Engineering	CIVL6431 Land Surface Process and Management	ENGG6500 Engineering Complexity
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Program Plan Key: = Core = Directed

Master of Professional Engineering (Environmental) - Directed Courses

Subject to change – please see the [program handbook](#) for the most up-to-date information

One Year Program

Choose **60 units** of directed courses at [6000 level](#)

Two Year Program

Choose **50 units** of directed courses

ARBE6312	Sustainable Development
ARBE6331	Property and Facilities Management
ARBE6406	Negotiation & Conflict Resolution
ARBE6601	Theory and Practice of Disaster Management
ARBE6602	Post-disaster Project Management
ARBE6603	Disaster Mitigation and Sustainable Re-development
ARBE6604	Professional Practice in Disaster Management
ARBE6605	Policy and Social Considerations in Disaster Management
ARBE6606	Disaster Management Economics
ARBE6607	Government Approaches to Disaster Risk Reduction
ARBE6608	Private Sector Approaches to Disaster Risk Reduction
CHEE4475	Dynamic Process Simulations and Control
CHEE6100	Advanced Renewable Energy Systems
CHEE6420	Safety and Risk Management
CHEE6500	Advanced Low Emission Technologies
CHEE6600	Advanced Particle Processing
ENVS6510	Environmental Legislation and Policy
ENVS6530	Environmental Management
ENVS6545	Impact Assessment and Climate Change Policy
ENVS6560	Contemporary Issues in Water Management
ERAR6003	Hydrogeology and Environmental Remediation
ERAR6005	Risk Characterisation for Human Health
ERAR6006	Ecological Risk Assessment
ERAR6008	Enviromics and Biostatistics
ERAR6009	Measurements, Sensors and Instrumentation for Environmental Contaminants
ERAR6010	Applied Environmental Microbiology and Biotechnology
GSBS6001	Managing Under Uncertainty
GSBS6004	Organisational Behaviour and Design
GSBS6012	Entrepreneurship and Innovation
GSBS6200	Accounting and Financial Management
GSBS6484	Corporate Governance and Social Responsibility
INFT6304	Project Planning and Management
LEGL6004	Law for Workplace Health & Safety
OHSE6070	Management for Occupational Health and Safety

One Year Program - To be eligible to graduate make sure you have completed 80 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

- ✓ Students eligible to complete a one year program will be advised upon admission to the program
- ✓ Core courses - 20 units.
- ✓ [Directed courses](#) - 60 unit (must be completed at the [6000 level](#))
- ✓ CIVL6460A and CIVL6460B contribute to a multi-term sequence and must be completed in consecutive terms within a 12 month period. Students must complete Part A before Part B. If they complete Part A and are unable to complete Part B within the timeframe, they must complete Part A again
- ✓ The duration of this program is one year full-time or part-time equivalent
- ✓ The maximum time to complete this program is 4 years

Two Year Program - To be eligible to graduate make sure you have completed 160 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

- ✓ Core courses - 110 units.
- ✓ [Directed courses](#) - 50 units
- ✓ CIVL6460A and CIVL6460B contribute to a multi-term sequence and must be completed in consecutive terms within a 12 month period. Students must complete Part A before Part B. If they complete Part A and are unable to complete Part B within the timeframe, they must complete Part A again
- ✓ The duration of this program is two years full-time or part-time equivalent
- ✓ The maximum time to complete this program is 6 years



Some courses have assumed knowledge and/or requisites, please refer to the individual [Course Handbook](#).

The [Program Handbook](#) has valuable information on program structure and requirements, if you are intending on studying part time or varying from this program plan please seek prior advice from your [Program Advisor](#).