

**Bachelor of Engineering (Environmental)
(Honours), Master of Engineering (Civil) 5 years
180 units
2024 Study Planner**



Science & Engineering

Semester 1 Start:

First Level	Semester 1	EASC1101 Earth and Environmental Sciences	ENGR1711 Engineering Design	PHYS1101 Physics 1A	MATH1121 Mathematics 1A
	Semester 2	ENGR1201 Electronics	ENGR1401 Professional skills	ENGR1722 Engineering Materials and Systems	MATH1122 Mathematics 1B
Second Level	Semester 1	ENGR1721 Engineering Programming	GIST1001 Geospatial Information Systems	ENGR2741 Mechanics and Structures	EASC3741 Physical Hydrogeology
	Semester 2	GIST1002 Earth Observation Fundamentals	ENGR2711 Engineering Mathematics	ENGR2822 Civil Engineering Design	ENGR2832 Engineering Geology and Geomechanics
Third Level	Semester 1	ENGR2821 Infrastructure Systems Engineering	ENGR2101 Water Quality and Pollution	ENGR3831 Geotechnical Engineering	ENGR3851 Hydraulics and Water Engineering
	Semester 2	ENGR2882 Waste Management	ENGR8862 Structural Engineering 1 GE	ENGR9742 Systems Engineering	Elective Topic
Fourth Level	Semester 1	ENGR8861 Structural Engineering 2 GE	ENGR8971 Transport Systems Engineering GE	ENGR9004 Production Engineering GE	GEOG8040 Environmental Impact Assessment GE
	NS1	ENGR3750 Workplace Preparation (0 units)			
	Semester 2	ENGR9704 Engineering Management	ENGR3700 Engineering Practicum (13.5 units) OR ENGR3710 International Engineering Practicum (13.5 units)		
Fifth Level	Semester 1	EASC8751 Hydrochemistry	ENGR7951 Advanced Infrastructure Design: Transport and Structural Engineering	ENGR7971 Advanced Environmental Engineering Design	STEM9003 Research Methods for Engineering and ICT Masters
	Semester 2	ENGR7872 Advanced Infrastructure Design: Geotechnical and Water Engineering	STEM9100A Masters Research Project (4.5/13.5 units)	STEM9100B Masters Research Project (4.5/13.5 units)	STEM9100C Masters Research Project (4.5/13.5 units)

Semester 2 Start:

First Level	Semester 2	ENGR1201 Electronics	ENGR1401 Professional skills	ENGR1722 Engineering Materials and Systems	MATH1121 Mathematics 1A
	Semester 1	EASC1101 Earth and Environmental Sciences	ENGR1711 Engineering Design	PHYS1101 Physics 1A	MATH1122 Mathematics 1B
Second Level	Semester 2	GIST1002 Earth Observation Fundamentals	ENGR2711 Engineering Mathematics	ENGR2822 Civil Engineering Design	ENGR2832 Engineering Geology and Geomechanics
	Semester 1	ENGR1721 Engineering Programming	GIST1001 Geospatial Information Systems	ENGR2741 Mechanics and Structures	ENGR2101 Water Quality and Pollution
Third Level	Semester 2	ENGR2882 Waste Management	ENGR8862 Structural Engineering 1 GE	ENGR9742 Systems Engineering	Elective Topic
	NS1	ENGR3750 Workplace Preparation (0 units)			
	Semester 1	ENGR2821 Infrastructure Systems Engineering	EASC3741 Physical Hydrogeology	ENGR3831 Geotechnical Engineering	ENGR3851 Hydraulics and Water Engineering
Fourth Level	Semester 2	ENGR9704 Engineering Management	ENGR3700 Engineering Practicum (13.5 units) OR ENGR3710 International Engineering Practicum (13.5 units)		
	Semester 1	ENGR2821 Infrastructure Systems Engineering	EASC3741 Physical Hydrogeology	ENGR3831 Geotechnical Engineering	ENGR3851 Hydraulics and Water Engineering
Fifth Level	Semester 2	ENGR7872 Advanced Infrastructure Design: Geotechnical and Water Engineering	STEM9003 Research Methods for Engineering and ICT Masters	STEM9100A Masters Research Project (4.5/13.5 units)	STEM9100B Masters Research Project (4.5/13.5 units)
	Semester 1	EASC8751 Hydrochemistry	ENGR7951 Advanced Infrastructure Design: Transport and Structural Engineering	ENGR7971 Advanced Environmental Engineering Design	STEM9100C Masters Research Project (4.5/13.5 units)

Key:

Core Topics	Compulsory topic
Option Topics	A choice from a list of specified topics (please refer to course rule)
Major Topics	A topic from the Engineering major selected
Elective	Any topic offered by the University at the appropriate year level, provided entry and course requirements are met and that no more than 45 units of First Year topics are included in the 108-unit program.

Please note:

- This document is provided as a guide only. Students are responsible for ensuring that they have completed their study according to the official [Course Rule](#).
- Topic information for all topics, including pre-requisites can be found on the [Topic Page](#)
- General enrolment assistance is available via [Ask Flinders](#)
- For specific course advice e-mail: courseadvice.SE@flinders.edu.au