

**Bachelor of Engineering (Environmental)
(Honours) / Bachelor of Science (Environmental
Science)
2024 Study Planner**



Science & Engineering

Semester 1 Start:

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|--------------|------------|---|---|--|--|
| First Level | Semester 1 | ENGR1711 Engineering Design | PHYS1101 Physics 1A | EASC1101 Earth and environmental Sciences | MATH1121 Mathematics 1A |
| | Semester 2 | ENGR1722 Engineering Materials and Systems | MATH1122 Mathematics 1B | BIOL1101 Evolution of Biological Diversity | EASC1102 Marine Sciences |
| Second Level | Semester 1 | ENGR1721 Engineering Programming | ENGR1401 Professional Skills | GEOG3040 Environmental Impact Assessment | GIST1001 Geospatial Information Systems |
| | Semester 2 | ENGR1201 Electronics | ENGR2711 Engineering Mathematics | EASC2702 Global Climate Change | GIST1002 Earth Observation Fundamentals |
| Third Level | Semester 1 | ENGR2741 Mechanics and Structures | ENGR2882 Waste Management | EASC3741 Physical Hydrogeology | ENVS2731 Coastal Processes |
| | NS1 | ENGR3750 Workplace Preparation (0 units) (NS1) | | | |
| | Semester 2 | ENGR3782 Contaminant and Tracer Hydrology | ENGR2832 Engineering Geology and Geomechanics | STEM2005 Science Applied | ENVS2712 Environmental Change and Human Health |
| Fourth Level | Semester 1 | ENGR2024 Production Engineering | ENGR3851 Hydraulics and Water Engineering | BIOL3791 Ecology and Geomorphology of Coastal Environments | ENVS3752 Geology of Australia |
| | Semester 2 | ENGR9704 Engineering Management (NS2) | ENGR9405 Engineering Work Experience | ENVS3731 Ecohydrology, Soil and Climate | ENVS3750 Field Studies in Environmental Disciplines |
| Fifth Level | Semester 1 | ENGR7971 Advanced Environmental Engineering Design | STEM7003 Research Methods for Engineering and ICT Honours | STEM7004A Honours Research Project (4.5/15 units) | STEM7004B Honours Research Project (4.5/15 units) (S1 or S2 depending on Option Topic) |
| | Semester 2 | ENGR7872 Advanced Infrastructure Design: Geotechnical and Water Engineering | ENGR9742 Systems Engineering | STEM7004C Honours Research Project (4.5/15 units) | Option Topic Refer to Course Rule (S1 or S2) |

Semester 2:

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|--------------|------------|---|---|--|--|
| First Level | Semester 2 | ENGR1722 Engineering Materials and Systems | MATH1121 Mathematics 1A | BIOL1101 Evolution of Biological Diversity | EASC1102 Marine Sciences |
| | Semester 1 | ENGR1711 Engineering Design | PHYS1101 Physics 1A | EASC1101 Earth and environmental Sciences | MATH1122 Mathematics 1B |
| Second Level | Semester 2 | ENGR1201 Electronics | ENGR2711 Engineering Mathematics | EASC2702 Global Climate Change | GIST1002 Earth Observation Fundamentals |
| | Semester 1 | ENGR1721 Engineering Programming | ENGR1401 Professional Skills | GEOG3040 Environmental Impact Assessment | GIST1001 Geospatial Information Systems |
| Third Level | Semester 2 | ENGR3782 Contaminant and Tracer Hydrology | ENGR2832 Engineering Geology and Geomechanics | STEM2005 Science Applied | ENVS2712 Environmental Change and Human Health |
| | NS1 | ENGR3750 Workplace Preparation (0 units) (NS1) | | | |
| | Semester 1 | ENGR2741 Mechanics and Structures | ENGR2882 Waste Management | EASC3741 Physical Hydrogeology | ENVS2731 Coastal Processes |
| Fourth Level | Semester 2 | ENGR9704 Engineering Management (NS2) | ENGR9405 Engineering Work Experience | ENVS3731 Ecohydrology, Soil and Climate | ENVS3750 Field Studies in Environmental Disciplines |
| | Semester 1 | ENGR2024 Production Engineering | ENGR3851 Hydraulics and Water Engineering | BIOL3791 Ecology and Geomorphology of Coastal Environments | ENVS3752 Geology of Australia |
| Fifth Level | Semester 2 | ENGR7872 Advanced Infrastructure Design: Geotechnical and Water Engineering | ENGR9742 Systems Engineering | STEM7003 Research Methods for Engineering and ICT Honours | STEM7004A Honours Research Project (4.5/15 units) (S1 or S2 depending on Option Topic) |
| | Semester 1 | ENGR7971 Advanced Environmental Engineering Design | STEM7004B Honours Research Project (4.5/15 units) | STEM7004C Honours Research Project (4.5/15 units) | Option Topic Refer to Course Rule (S1 or S2) |

Key:

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|---------------|--|
| Core Topics | Compulsory topic |
| Option Topics | A choice from a list of specified topics (please refer to course rule) |

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

This guide is correct at time of publishing but is subject to change October 2023