

Science & Engineering

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Semester 1 Start: BIOMEDICAL MAJOR

First Level	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE (4.5 units)	ENGR8731 Microprocessors GE (4.5 units)	Year 1 Major Option Topic (4.5 units)
First	Semester 2	ENGR8752 Engineering Physics and Materials GE (4.5 units)	ENGR8703 Electronics GE (4.5 units)	ENGR8722 Signals and Systems GE (4.5 units)	ENGR8732 Biomechanics GE (4.5 units)
el - Option 1	Semester 1	ENGR9710A Masters Project (4.5/9 units)	Option Topic (see majors for further information)	ENGR9741 Physiological Measurement GE (4.5 units)	Year 2 Biomedical Major Option Topic (4.5 units)
Second Level	Semester 2	ENGR9710B Masters Project (4.5/9 units)	ENGR9704 Engineering Management (4.5 units)	ENGR9742 Systems Engineering (4.5 units)	Year 2 Biomedical Major Option Topic (4.5 units)

Semester 2 Start:

evel	Semester 2	ENGR8752 Engineering Physics and Materials GE (4.5 units)	ENGR8703 Electronics GE (4.5 units)	ENGR8722 Signals and Systems GE (4.5 units)	ENGR8732 Biomechanics GE (4.5 units)
First Level	Semester 1	ENGR8761 Engineering Mathematics GE (4.5 units)	STEM8001 Advanced Professional Skills	ENGR8731 Microprocessors GE (4.5 units)	Year 1 Major Topic (4.5 units)
el - Option 1	Semester 2	ENGR9710A Masters Project (4.5/9 units)	ENGR9704 Engineering Management (4.5 units)	ENGR9742 Systems Engineering (4.5 units)	Year 2 Biomedical Major Option Topic (4.5 units)
Second Level	Semester 1	ENGR9710B Masters Project (4.5/9 units)	Option Topic (see majors for further information)	ENGR9741 Physiological Measurement GE (4.5 units)	Year 2 Biomedical Major Option Topic (4.5 units)

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Semester 1 Start: CIVIL MAJOR

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Level	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE (4.5 units)	EASC9772 Physical Hydrogeology GE (4.5 units)	ENGR8791 Mechanics and Structures GE (4.5 units)
First	Semester 2	ENGR8752 Engineering Physics and Materials GE (4.5 units)	ENGR8862 Structural Engineering 1 GE (4.5 units)	ENGR8922 Civil Engineering Design GE (4.5 units)	ENGR8932 Engineering Geology and Geomechanics GE (4.5 units)
el - Option 1	Semester 1	ENGR9710A Masters Project (4.5/9 units)	Option Topic (see majors for further information)	ENGR8851 Infrastructure Systems Engineering GE (4.5 units)	Year 2 Major Topic (4.5 units)
Second Level	Semester 2	ENGR9710B Masters Project (4.5/9 units)	ENGR9704 Engineering Management (4.5 units)	ENGR9742 Systems Engineering (4.5 units)	Year 2 Major Topic (4.5 units)

Seme	emester 2 Start:				
First Level	Semester 2	ENGR8752 Engineering Physics and Materials GE (4.5 units)	ENGR8862 Structural Engineering 1 GE (4.5 units)	ENGR8922 Civil Engineering Design GE (4.5 units)	ENGR8932 Engineering Geology and Geomechanics GE (4.5 units)
First	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE (4.5 units)	EASC9772 Physical Hydrogeology GE (4.5 units)	ENGR8791 Mechanics and Structures GE (4.5 units)
Second Level - Option 1	Semester 2	ENGR9710A Masters Project (4.5/9 units)	ENGR9704 Engineering Management (4.5 units)	ENGR9742 Systems Engineering (4.5 units)	Year 2 Major Topic (4.5 units)

Semester 1 Start: ELECTRICAL AND ELECTRONIC MAJOR

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Level	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE (4.5 units)	ENGR8731 Microprocessors GE (4.5 units)	ENGR8771 Electronic Circuits GE (4.5 units)
First	Semester 2	ENGR8752 Engineering Physics and Materials GE (4.5 units)	ENGR8703 Electronics GE (4.5 units)	ENGR8722 Signals and Systems GE (4.5 units)	COMP8801 Computer Programming 2 GE (4.5 units)
el - Option 1	Semester 1	ENGR9710A Masters Project (4.5/9 units)	Option Topic (see majors for further information)	ENGR9721 Control Systems GE (4.5 units)	Year 2 Major Topic (4.5 units)
Second Level	Semester 2	ENGR9710B Masters Project (4.5/9 units)	ENGR9704 Engineering Management (4.5 units)	ENGR9742 Systems Engineering (4.5 units)	Year 2 Major Topic (4.5 units)

Semester 2 Start:

evel	Semester 2	STEM8001 Advanced Professional Skills	ENGR8752 Engineering Physics and Materials GE (4.5 units)	ENGR8703 Electronics GE (4.5 units)	ENGR8722 Signals and Systems GE (4.5 units)
First Level	Semester 1	ENGR8761 Engineering Mathematics GE (4.5 units)	ENGR8731 Microprocessors GE (4.5 units)	ENGR8771 Electronic Circuits GE (4.5 units)	COMP8801 Computer Programming 2 GE (4.5 units)
el - Option 1	Semester 2	ENGR9710A Masters Project (4.5/9 units)	ENGR9704 Engineering Management (4.5 units)	ENGR9742 Systems Engineering (4.5 units)	Year 2 Major Topic (4.5 units)
Second Level	Semester 1	ENGR9710B Masters Project (4.5/9 units)	Option Topic (see majors for further information)	ENGR9721 Control Systems GE (4.5 units)	Year 2 Major Topic (4.5 units)

Semester 1 Start: ENVIRONMENTAL MAJOR

evel	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE (4.5 units)	EASC9772 Physical Hydrogeology GE (4.5 units)	ENGR8791 Mechanics and Structures GE (4.5 units)
First Level	Semester 2	ENGR8752 Engineering Physics and Materials GE (4.5 units)	EASC8702 Global Climate Change GE (4.5 units)	ENGR8932 Engineering Geology and Geomechanics GE (4.5 units)	GIST8001 Geospatial Information Systems GE (4.5 units)
el - Option 1	Semester 1	ENGR9710A Masters Project (4.5/9 units)	Option Topic (see majors for further information)	GEOG8040 Environmental Impact Assessment GE (4.5 units)	Year 2 Major Topic (4.5 units)
Second Level	Semester 2	ENGR9710B Masters Project (4.5/9 units)	ENGR9704 Engineering Management (4.5 units)	ENGR9742 Systems Engineering (4.5 units)	Year 2 Major Topic (4.5 units)

Semester 2 Start:

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evel	Semester 2	STEM8001 Advanced Professional Skills	ENGR8752 Engineering Physics and Materials GE (4.5 units)	EASC8702 Global Climate Change GE (4.5 units)	ENGR8932 Engineering Geology and Geomechanics GE (4.5 units)
First Level	Semester 1	ENGR8761 Engineering Mathematics GE (4.5 units)	EASC9772 Physical Hydrogeology GE (4.5 units)	ENGR8791 Mechanics and Structures GE (4.5 units)	GIST8001 Geospatial Information Systems GE (4.5 units)
el - Option 1	Semester 2	ENGR9710A Masters Project (4.5/9 units)	ENGR9704 Engineering Management (4.5 units)	ENGR9742 Systems Engineering (4.5 units)	Year 2 Major Topic (4.5 units)
Second Level	Semester 1	ENGR9710B Masters Project (4.5/9 units)	Option Topic (see majors for further information)	GEOG8040 Environmental Impact Assessment GE (4.5 units)	Year 2 Major Topic (4.5 units)

Semester 1 Start: MECHANICAL MAJOR

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Level	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE (4.5 units)	ENGR8791 Mechanics and Structures GE (4.5 units)	ENGR8801 Fluid Mechanics GE (4.5 units)
First	Semester 2	ENGR8752 Engineering Physics and Materials GE (4.5 units)	ENGR8722 Signals and Systems GE (4.5 units)	ENGR8871 Dynamics GE (4.5 units)	PHYS9712 Thermodynamics and Energy Systems GE (4.5 units)
el - Option 1	Semester 1	ENGR9710A Masters Project (4.5/9 units)	Option Topic (see majors for further information)	ENGR8711 Engineering Design GE (4.5 units)	Year 2 Major Topic (4.5 units)
Second Level	Semester 2	ENGR9710B Masters Project (4.5/9 units)	ENGR9704 Engineering Management (4.5 units)	ENGR9742 Systems Engineering (4.5 units)	Year 2 Major Topic (4.5 units)

Semester 2 Start:

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-evel	Semester 2	ENGR8752 Engineering Physics and Materials GE (4.5 units)	ENGR8722 Signals and Systems GE (4.5 units)	ENGR8871 Dynamics GE (4.5 units)	PHYS9712 Thermodynamics and Energy Systems GE (4.5 units)
First Level	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE (4.5 units)	ENGR8791 Mechanics and Structures GE (4.5 units)	ENGR8801 Fluid Mechanics GE (4.5 units)
el - Option 1	Semester 2	ENGR9710A Masters Project (4.5/9 units)	ENGR9704 Engineering Management (4.5 units)	ENGR9742 Systems Engineering (4.5 units)	Year 2 Major Topic (4.5 units)
Second Level	Semester 1	ENGR9710B Masters Project (4.5/9 units)	Option Topic (see majors for further information)	ENGR8711 Engineering Design GE (4.5 units)	Year 2 Major Topic (4.5 units)

Key:

Core Topics	Compulsory Topic
Major Topics	A topic from the Engineering major selected
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 <u>Course Rule</u>.
- Topic information for all topics, including pre-requisites can be found on the Topic Page
- General enrolment assistance is available via <u>Ask Flinders</u>
- For specific course advice e-mail: <u>courseadvice.SE@flinders.edu.au</u>

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