

Master of Engineering Science (MESC) 2026 Study Plan

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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](#)
- ** indicates that Pre-requisites apply

Master of Engineering Science (MESC)
Semester 1 Commencing: Biomedical Major

First Level	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE	Year 1 Major Topic ENGR8731 Microprocessors GE	Year 1 Major Option Topic
	Semester 2	ENGR8752 Engineering Materials and Statics	Year 1 Major Topic ENGR8703 Electronics GE	Year 1 Major Topic ENGR8722 Signals and Systems GE	Year 1 Major Topic ENGR8732 Biomechanics GE
Second Level - Option 1	Semester 1	ENGR9710A Masters Project (4.5/9 units)	Option Topic <i>Refer to Course Rule</i>	Year 2 Major Topic ENGR9741 Physiological Measurement GE	Year 2 Biomedical Major Option Topic <i>Refer to Course Rule</i>
	Semester 2	ENGR9710B Masters Project (4.5/9 units)	ENGR9705 Project Management	ENGR9742 Systems Engineering	Year 2 Biomedical Major Option Topic <i>Refer to Course Rule</i>

Master of Engineering Science (MESC)
Semester 2 Commencing: Biomedical Major

First Level	Semester 2	ENGR8752 Engineering Materials and Statics	Year 1 Major Topic ENGR8703 Electronics GE	Year 1 Major Topic ENGR8722 Signals and Systems GE	Year 1 Major Topic ENGR8732 Biomechanics GE
	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE	Year 1 Major Topic ENGR8731 Microprocessors GE	Year 1 Major Option Topic
Second Level - Option 1	Semester 2	ENGR9710A Masters Project (4.5/9 units)	ENGR9705 Project Management	ENGR9742 Systems Engineering	Year 2 Biomedical Major Option Topic <i>Refer to Course Rule</i>
	Semester 1	ENGR9710B Masters Project (4.5/9 units)	Option Topic <i>Refer to Course Rule</i>	Year 2 Major Topic ENGR9741 Physiological Measurement GE	Year 2 Biomedical Major Option Topic <i>Refer to Course Rule</i>

Master of Engineering Science (MESC)
Semester 1 Commencing: Civil Major

First Level	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE	Year 1 Major Topic EASC9772 Physical Hydrogeology GE	Year 1 Major Topic ENGR8791 Mechanics and Structures GE
	Semester 2	ENGR8752 Engineering Materials and Statics	Yer 1 Major Topic ENGR8862 Structural Engineering 1 GE	Year 1 Major Topic ENGR8922 Civil Engineering Design GE	Year 1 Major Topic ENGR8932 Engineering Geology and Geomechanics GE
Second Level - Option 1	Semester 1	ENGR9710A Masters Project (4.5/9 units)	Option Topic <i>Refer to Course Rule</i>	Year 2 Major Topic ENGR8851 Infrastructure Systems Engineering GE	Year 2 Civil Major Option Topic <i>Refer to Course Rule</i>
	Semester 2	ENGR9710B Masters Project (4.5/9 units)	ENGR9705 Project Management	ENGR9742 Systems Engineering	Year 2 Civil Major Option Topic <i>Refer to Course Rule</i>

Master of Engineering Science (MESC)
Semester 2 Commencing: Civil Major

First Level	Semester 2	ENGR8752 Engineering Materials and Statics	Yer 1 Major Topic ENGR8862 Structural Engineering 1 GE	Year 1 Major Topic ENGR8922 Civil Engineering Design GE	Year 1 Major Topic ENGR8932 Engineering Geology and Geomechanics GE
	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE	Year 1 Major Topic EASC9772 Physical Hydrogeology GE	Year 1 Major Topic ENGR8791 Mechanics and Structures GE
Second Level - Option 1	Semester 2	ENGR9710A Masters Project (4.5/9 units)	ENGR9705 Project Management	ENGR9742 Systems Engineering	Year 2 Civil Major Option Topic <i>Refer to Course Rule</i>
	Semester 1	ENGR9710B Masters Project (4.5/9 units)	Option Topic <i>Refer to Course Rule</i>	Year 2 Major Topic ENGR8851 Infrastructure Systems Engineering GE	Year 2 Civil Major Option Topic <i>Refer to Course Rule</i>

Master of Engineering Science (MESC)
Semester 1 Commencing: Electrical and Electronic Major

First Level	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE	Year 1 Major Topic ENGR8731 Microprocessors GE	Year 1 Major Topic ENGR8771 Electronic Circuits GE
	Semester 2	ENGR8752 Engineering Materials and Statics	Year 1 Major Topic ENGR8703 Electronics GE	Year 1 Major Topic ENGR8722 Signals and Systems GE	Year 1 Major Topic COMP8801 Computer Programming 2 GE
Second Level - Option 1	Semester 1	ENGR9710A Masters Project (4.5/9 units)	Option Topic <i>Refer to Course Rule</i>	ENGR9721 Control Systems GE	Year 2 Electrical and Electronic Major Option Topic <i>Refer to Course Rule</i>
	Semester 2	ENGR9710B Masters Project (4.5/9 units)	ENGR9705 Project Management	ENGR9742 Systems Engineering	Year 2 Electrical and Electronic Major Option Topic <i>Refer to Course Rule</i>

Master of Engineering Science (MESC)
Semester 2 Commencing: Electrical and Electronic Major

First Level	Semester 2	ENGR8752 Engineering Materials and Statics	Year 1 Major Topic ENGR8703 Electronics GE	Year 1 Major Topic ENGR8722 Signals and Systems GE	Year 1 Major Topic COMP8801 Computer Programming 2 GE
	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE	Year 1 Major Topic ENGR8731 Microprocessors GE	Year 1 Major Topic ENGR8771 Electronic Circuits GE
Second Level - Option 1	Semester 2	ENGR9710A Masters Project (4.5/9 units)	ENGR9705 Project Management	ENGR9742 Systems Engineering	Year 2 Electrical and Electronic Major Option Topic <i>Refer to Course Rule</i>
	Semester 1	ENGR9710B Masters Project (4.5/9 units)	Option Topic <i>Refer to Course Rule</i>	ENGR9721 Control Systems GE	Year 2 Electrical and Electronic Major Option Topic <i>Refer to Course Rule</i>

Master of Engineering Science (MESC)
Semester 1 Commencing: Environmental Major

First Level	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE	Year 1 Major Topic EASC9772 Physical Hydrogeology GE	Year 1 Major Topic ENGR8791 Mechanics and Structures GE
	Semester 2	ENGR8752 Engineering Materials and Statics	Year 1 Major Topic EASC8702 Global Climate Change GE	Year 1 Major Topic ENGR8932 Engineering Geology and Geomechanics GE	Year 1 Major Topic GIST8001 Geospatial Information Systems GE
Second Level - Option 1	Semester 1	ENGR9710A Masters Project (4.5/9 units)	Option Topic <i>Refer to Course Rule</i>	Year 2 Major Topic GEOG8040 Environmental Impact Assessment GE	Year 2 Environmental Major Option Topic <i>Refer to Course Rule</i>
	Semester 2	ENGR9710B Masters Project (4.5/9 units)	ENGR9705 Project Management	ENGR9742 Systems Engineering	Year 2 Environmental Major Option Topic <i>Refer to Course Rule</i>

Master of Engineering Science (MESC)
Semester 2 Commencing: Environmental Major

First Level	Semester 2	ENGR8752 Engineering Materials and Statics	Year 1 Major Topic EASC8702 Global Climate Change GE	Year 1 Major Topic ENGR8932 Engineering Geology and Geomechanics GE	Year 1 Major Topic GIST8001 Geospatial Information Systems GE
	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE	Year 1 Major Topic EASC9772 Physical Hydrogeology GE	Year 1 Major Topic ENGR8791 Mechanics and Structures GE
Second Level - Option 1	Semester 2	ENGR9710A Masters Project (4.5/9 units)	ENGR9705 Project Management	ENGR9742 Systems Engineering	Year 2 Environmental Major Option Topic <i>Refer to Course Rule</i>
	Semester 1	ENGR9710B Masters Project (4.5/9 units)	Option Topic <i>Refer to Course Rule</i>	Year 2 Major Topic GEOG8040 Environmental Impact Assessment GE	Year 2 Environmental Major Option Topic <i>Refer to Course Rule</i>

Master of Engineering Science (MESC)
Semester 1 Commencing: Mechanical Major

First Level	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE	Year 1 Major Topic ENGR8791 Mechanics and Structures GE	Year 1 Major Topic ENGR8801 Fluid Mechanics GE
	Semester 2	ENGR8752 Engineering Materials and Statics	Year 1 Major Topic ENGR8722 Signals and Systems GE	Year 1 Major Topic ENGR8871 Dynamics GE	Year 1 Major Topic PHYS9712 Thermodynamics and Energy Systems GE
Second Level - Option 1	Semester 1	ENGR9710A Masters Project (4.5/9 units)	Option Topic <i>Refer to Course Rule</i>	Year 2 Major Topic ENGR8711 Engineering Design GE	Year 2 Mechanical Major Option Topic <i>Refer to Course Rule</i>
	Semester 2	ENGR9710B Masters Project (4.5/9 units)	ENGR9705 Project Management	ENGR9742 Systems Engineering	Year 2 Mechanical Major Option Topic <i>Refer to Course Rule</i>

Master of Engineering Science (MESC)
Semester 2 Commencing: Mechanical Major

First Level	Semester 2	ENGR8752 Engineering Materials and Statics	Year 1 Major Topic ENGR8722 Signals and Systems GE	Year 1 Major Topic ENGR8871 Dynamics GE	Year 1 Major Topic PHYS9712 Thermodynamics and Energy Systems GE
	Semester 1	STEM8001 Advanced Professional Skills	ENGR8761 Engineering Mathematics GE	Year 1 Major Topic ENGR8791 Mechanics and Structures GE	Year 1 Major Topic ENGR8801 Fluid Mechanics GE
Second Level - Option 1	Semester 2	ENGR9710A Masters Project (4.5/9 units)	ENGR9705 Project Management	ENGR9742 Systems Engineering	Year 2 Mechanical Major Option Topic <i>Refer to Course Rule</i>
	Semester 1	ENGR9710B Masters Project (4.5/9 units)	Option Topic <i>Refer to Course Rule</i>	Year 2 Major Topic ENGR8711 Engineering Design GE	Year 2 Mechanical Major Option Topic <i>Refer to Course Rule</i>