Master of Materials Engineering Study Plans — Semester 2 Start

Master of Materials Engineering - Research Pathway – Semester 2 Start 2
Master of Materials Engineering - Industry Pathway – Semester 2 Start 3
Master of Materials Engineering - Research Pathway (Extended) – Semester 2 Start 4

THE UNIVERSITY of ADELAIDE

Faculty of Engineering, Computer and Mathematical Sciences 2021 Study Plan

Master of Materials Engineering - Research Pathway – Semester 2 Start

Year 1				
S2	CHEM ENG 7101 Advanced Characterisation for Materials Engineering ☐	CHEM ENG 7102 Computation for Materials Engineering ☐	MATHS 7025 Research Methods and Statistics ☐	^Materials Engineering Elective (see elective table) ☐
Year 2				
S1	CHEM ENG 7055 Materials Science and Engineering ☐	CHEM ENG 7110 Fundamentals of Materials ☐	Materials Engineering Elective (see elective table) ☐	Materials Engineering Elective (see elective table) ☐
S2	CHEM ENG 7120A Materials Engineering Research Project Part A (6 units) ☐		Materials Engineering Elective (see elective table) ☐	Materials Engineering Elective (see elective table) ☐
Year 3				
S1	CHEM ENG 7120B Materials Engineering Research Project Part B (6 units) ☐		Materials Engineering Elective (see elective table) ☐	Materials Engineering Elective (see elective table) ☐

Core Courses	Elective (see table)	Pathway Course

Materials Engineering Elective					
S1	CHEM ENG 7104	Advanced Optical Engineering of Materials	**S2**	CHEM ENG 7038	Process Plant Safety and Risk Assessment
	CHEM ENG 7107	Engineering of Semiconductor Materials		CHEM ENG 7103	Engineering of 2D Materials
	CHEM ENG 7108	Quantum Materials		CHEM ENG 7105	Materials Engineering for Catalysis
	ELEC ENG 7057	Engineering Communication & Critical Thinking		CHEM ENG 7106	Materials Engineering for Energy
	PROJMGNT 5021	Project Management Fundamentals		CHEM ENG 7109	Advanced Engineering of Biomaterials
				CHEM ENG 7111	Safety and Risk in Materials Engineering
				ELEC ENG 7057	Engineering Communication & Critical Thinking
				MATHS 7025	Research Methods and Statistics
				PROJMGNT 5021	Project Management Fundamentals

NOTES

^Unless exempted by the Faculty, all international students are required to undertake a specialist course ELEC ENG 7057 Engineering Communication & Critical Thinking. This course must be completed in the first semester of study and will be presented in lieu of a Foundation elective

Information and Enrolment Advice:
Ask ECMS
Email: askecms@adelaide.edu.au
Website: https://ecms.adelaide.edu.au/study-with-us/student-support

Program Rules: For academic program rules please refer to the following website:
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THE UNIVERSITY of ADELAIDE

Faculty of Engineering, Computer and Mathematical Sciences 2021 Study Plan

Master of Materials Engineering - Industry Pathway – Semester 2 Start

Year 1				
S2	CHEM ENG 7101 Advanced Characterisation for Materials Engineering ☐	CHEM ENG 7102 Computation for Materials Engineering ☐	MATHS 7025 Research Methods and Statistics ☐	^Materials Engineering Elective (see elective table) ☐
Year 2				
S1	CHEM ENG 7055 Materials Science and Engineering ☐	CHEM ENG 7110 Fundamentals of Materials ☐	Materials Engineering Elective (see elective table) ☐	Materials Engineering Elective (see elective table) ☐
S2	CHEM ENG 7122A Materials Engineering Industry Project Part A (6 units) ☐		Materials Engineering Elective (see elective table) ☐	Materials Engineering Elective (see elective table) ☐
Year 3				
S1	CHEM ENG 7122B Materials Engineering Industry Project Part B (6 units) ☐		Materials Engineering Elective (see elective table) ☐	Materials Engineering Elective (see elective table) ☐

Core Courses	Elective (see table)	Pathway Course

Materials Engineering Elective					
S1	CHEM ENG 7104	Advanced Optical Engineering of Materials	**S2**	CHEM ENG 7038	Process Plant Safety and Risk Assessment
	CHEM ENG 7107	Engineering of Semiconductor Materials		CHEM ENG 7103	Engineering of 2D Materials
	CHEM ENG 7108	Quantum Materials		CHEM ENG 7105	Materials Engineering for Catalysis
	ELEC ENG 7057	Engineering Communication & Critical Thinking		CHEM ENG 7106	Materials Engineering for Energy
	PROJMGNT 5021	Project Management Fundamentals		CHEM ENG 7109	Advanced Engineering of Biomaterials
				CHEM ENG 7111	Safety and Risk in Materials Engineering
				ELEC ENG 7057	Engineering Communication & Critical Thinking
				MATHS 7025	Research Methods and Statistics
				PROJMGNT 5021	Project Management Fundamentals

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THE UNIVERSITY of ADELAIDE

Faculty of Engineering, Computer and Mathematical Sciences 2021 Study Plan

Master of Materials Engineering - Research Pathway (Extended) – Semester 2 Start

Year 1				
S2	CHEM ENG 7101 Advanced Characterisation for Materials Engineering ☐	CHEM ENG 7102 Computation for Materials Engineering ☐	MATHS 7025 Research Methods and Statistics ☐	^Materials Engineering Elective (see elective table) ☐
Year 2				
S1	CHEM ENG 7055 Materials Science and Engineering ☐	CHEM ENG 7110 Fundamentals of Materials ☐	Materials Engineering Elective (see elective table) ☐	Materials Engineering Elective (see elective table) ☐
S2	CHEM ENG 7121A Materials Engineering Extended Research Project Part A (9 units) ☐			Materials Engineering Elective (see elective table) ☐
Year 3				
S1	CHEM ENG 7121B Materials Engineering Extended Research Project Part B (9 units) ☐			Materials Engineering Elective (see elective table) ☐

Core Courses	Elective (see table)	Pathway Course

Materials Engineering Elective					
S1	CHEM ENG 7104	Advanced Optical Engineering of Materials	**S2**	CHEM ENG 7038	Process Plant Safety and Risk Assessment
	CHEM ENG 7107	Engineering of Semiconductor Materials		CHEM ENG 7103	Engineering of 2D Materials
	CHEM ENG 7108	Quantum Materials		CHEM ENG 7105	Materials Engineering for Catalysis
	ELEC ENG 7057	Engineering Communication & Critical Thinking		CHEM ENG 7106	Materials Engineering for Energy
	PROJMGNT 5021	Project Management Fundamentals		CHEM ENG 7109	Advanced Engineering of Biomaterials
				CHEM ENG 7111	Safety and Risk in Materials Engineering
				ELEC ENG 7057	Engineering Communication & Critical Thinking
				MATHS 7025	Research Methods and Statistics
				PROJMGNT 5021	Project Management Fundamentals

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