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2020 Study Plan Template

Master of Nanotechnology

Please note that this document is provided as a guide only. Students are responsible for ensuring that they have completed 72 units of study according to the official course rule available at https://students.flinders.edu.au/my-course/course-rules/postgrad/mnnt

Students are responsible for planning their Core and Option Topics and Elective topics ahead to ensure they meet the topic prerequisites.

A list of all topics, including topic prerequisite information and alternate study period availabilities, is available at Topics 2020

Semester 1, 2020 start:

Year 1	**S1**	STEM8001 Research Methods and Professional Skills	**Year One Option Topic**	**Year One Option Topic**	**Year One Option Topic**
	S2	NANO8701 Structure and Characterisation GE	NANO8702 Frontiers of Nanotechnology GE	ENGR9704 Project Management and Innovation	**Year One Option Topic**
Year Two Option One: 22.5-unit Research Project					
Year 2	**S1**	CPES7701 Advanced Research Skills	CPES7711 Advanced Techniques in Chemical and Physical Science	CPES7721 Advanced Chemical and Physical Science	CPES9700A Masters Research Project
	S2	CPES9700B Masters Research Project	CPES9700C Masters Research Project	CPES9700D Masters Research Project	CPES9700E Masters Research Project
Year Two Option One: 13.5-unit Research Project					
Year 2	**S1**	CPES7701 Advanced Research Skills	STEM9100A Masters Research Project	**Year Two Option Topic**	**Year Two Option Topic**
	S2	STEM9100B Masters Research Project	STEM9100C Masters Research Project	**Year Two Option Topic**	**Year Two Option Topic**

Semester 2, 2020 start:

Year 1	**S2**	NANO8701 Structure and Characterisation GE	NANO8702 Frontiers of Nanotechnology GE	STEM8001 Research Methods and Professional Skills	ENGR9704 Project Management and Innovation
	S1	**Year One Option Topic**	**Year One Option Topic**	**Year One Option Topic**	**Year One Option Topic**
Year Two Option One: 22.5-unit Research Project					
Year 2	**S2**	CPES7701 Advanced Research Skills	CPES9700A Masters Research Project	CPES9700B Masters Research Project	CPES9700C Masters Research Project
	S1	CPES7711 Advanced Techniques in Chemical and Physical Science	CPES7721 Advanced Chemical and Physical Science	CPES9700D Masters Research Project	CPES9700E Masters Research Project
Year Two Option One: 13.5-unit Research Project					
Year 2	**S2**	CPES7701 Advanced Research Skills	STEM9100A Masters Research Project	**Year Two Option Topic**	**Year Two Option Topic**
	S1	STEM9100B Masters Research Project	STEM9100C Masters Research Project	**Year Two Option Topic**	**Year Two Option Topic**

Key:	
Core Topic	Compulsory topic
Year One Option Topics	BTEC9010 Medical Biotechnology GE (4.5 units) BTEC9012 Environmental Biotechnology GE (4.5 units) CHEM8701 Applied Spectroscopy and Electrochemistry GE (4.5 units) CHEM8702 Inorganic and Organometallic Chemistry GE (4.5 units) CHEM8711 Organic Synthesis and Mechanism GE (4.5 units) CHEM8712 Introduction to Polymer Science GE (4.5 units) MATH8702 Methods of Applied Mathematics GE (4.5 units) MATH8712 Partial Differential Equations GE (4.5 units) MATH8731 Algebra (4.5 units) PHYS8701 Nuclear and Statistical Physics GE (4.5 units) PHYS8702 Solid State Physics and Optoelectronics GE (4.5 units) PHYS8711 Quantum Physics GE (4.5 units) PHYS9712 Thermodynamics and Energy Systems GE (4.5 units)

Year Two Option Topics For student in 13.5 unit Research Project	BTEC9010 Medical Biotechnology GE (4.5 units) BTEC9012 Environmental Biotechnology GE (4.5 units) CHEM8701 Applied Spectroscopy and Electrochemistry GE (4.5 units) CHEM8702 Inorganic and Organometallic Chemistry GE (4.5 units) CHEM8711 Organic Synthesis and Mechanism GE (4.5 units) CHEM8712 Introduction to Polymer Science GE (4.5 units) ENGR9704 Project Management and Innovation (4.5 units) INNO9001 Innovative and Creative Thinking: Recognising Opportunities GE (4.5 units) MATH8702 Methods of Applied Mathematics GE (4.5 units) MATH8712 Partial Differential Equations GE (4.5 units) MATH8731 Algebra (4.5 units) PHYS8701 Nuclear and Statistical Physics GE (4.5 units) PHYS8702 Solid State Physics and Optoelectronics GE (4.5 units) PHYS8711 Quantum Physics GE (4.5 units) PHYS9712 Thermodynamics and Energy Systems GE (4.5 units)