

Course Plan – Commencement Semester 1, 2021

M1305 Master of Engineering (ME) and Master of Information Technology (MIT)

48pts

Martina Calais (ME), Polychronis Koutsakis and Guanjin Wang (MIT)

Majors: Electrical Power Engineering and Artificial Intelligence and Data Science				
Semester 1			Semester 2	
Year 1	ENG558 Advanced Power Electronics	3 pts	ENG556 Power System Modelling and Analysis	3 pts
	ENG691 Hazard, Risk and Project Management	3 pts	ENG670 Measurement and Uncertainty Analysis	3 pts
	ICT619 Artificial Intelligence	3 pts	ICT508 Information Technology Project Management	3 pts
	ICT616 Data Resources Management	3 pts	ICT515 Foundations of Data Science	3 pts
		12 pts		12 pts
Year 2			ENG100 Engineering Professional Practice	0 pts
	ENG557 Distributed Energy Resources and Demand Response	3 pts	ENG682 Advanced Power Systems Protection and Control	3 pts
	ENG610 Engineering Design Project	3 pts	ENG610 Engineering Design Project	3 pts
	ICT621 IT Group Project	6 pts	ICT605 Interactive Data Visualisation and Simulation	3 pts
			ICT601 Business Analytics	3 pts
	12 pts		12 pts	

Disclaimer: This course plan is a **sample only** and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as per the online [Handbook](#) . This course plan will vary depending on chosen minors and your academic progression.

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	ENG691 Hazard, Risk and Project Management	3 pts	ENG670 Measurement and Uncertainty Analysis	3 pts
	ENG557 Distributed Energy Resources and Demand Response	3 pts	ICT535 Advanced Business Data Communications	3 pts
	ICT546 Local Area Network Design and Implementation	3 pts	ICT622 Information Technology Strategy	3 pts
		12 pts		12 pts
Year 3			ENG100 Engineering Professional Practice	0 pts
	ICT508 Information Technology Project Management	3 pts	ENG682 Advanced Power Systems Protection and Control	3 pts
	ENG610 Engineering Design Project	3 pts	ENG610 Engineering Design Project	3 pts
	ICT613 Router and Firewall Security	3 pts	ICT611 Advanced Routing	3 pts
	ICT502 Applied Information Security Management	3 pts	ICT603 Wireless Data Communications	3 pts
		12 pts		12 pts

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Majors: Industrial Control Systems Engineering and Artificial Intelligence and Data Science					
		Semester 1		Semester 2	
Year 1	ENG501 PLC Applications	3 pts	ENG523 Control Systems	3 pts	
	ENG691 Hazard, Risk and Project Management	3 pts	ENG670 Measurement and Uncertainty Analysis	3 pts	
	ICT619 Artificial Intelligence	3 pts	ICT508 Information Technology Project Management	3 pts	
	ICT616 Data Resources Management	3 pts	ICT515 Foundations of Data Science	3 pts	
		12 pts		12 pts	
Year 3			ENG100 Engineering Professional Practice	0 pts	
	ENG608 Communications, Measurement and Control	3 pts	ENG609 SCADA and Industrial Control Systems	3 pts	
	ENG610 Engineering Design Project	3 pts	ENG610 Engineering Design Project	3 pts	
	ICT621 IT Group Project	6 pts	ICT605 Interactive Data Visualisation and Simulation	3 pts	
			ICT601 Business Analytics	3 pts	
		12 pts		12 pts	

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	ENG691 Hazard, Risk and Project Management	3 pts	ENG670 Measurement and Uncertainty Analysis	3 pts	
	ENG608 Communications, Measurement and Control	3 pts	ICT535 Advanced Business Data Communications	3 pts	
	ICT546 Local Area Network Design and Implementation	3 pts	ICT622 Information Technology Strategy	3 pts	
		12 pts		12 pts	
Year 3			ENG100 Engineering Professional Practice	0 pts	
	ICT508 Information Technology Project Management	3 pts	ENG609 SCADA and Industrial Control Systems	3 pts	
	ENG610 Engineering Design Project	3 pts	ENG610 Engineering Design Project	3 pts	
	ICT613 Router and Firewall Security	3 pts	ICT611 Advanced Routing	3 pts	
	ICT502 Applied Information Security Management	3 pts	ICT603 Wireless Data Communications	3 pts	
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