

B.Eng (Hons) Double Major (Electrical Power Engineering and Industrial Computer Systems Engineering)

For students commencing in Semester 2 2020 at the South Street, Murdoch Campus

This sample study plan is based on the 2019 course structure and offerings. It is the responsibility of students to ensure the correct availability of units in each semester of each academic year.

		Semester 1	Semester 2		
Year 1			ENG109 Engineering Computing Systems	3pts	
			MAS164 Fundamentals of Mathematics	3pts	
			BEN100 Transitioning into Engineering	3pts	
			PEN120 General Physics	3pts	
				12pts	
Year 2		BEN150 Design Concepts in Engineering	3pts	ENG192 Energy, Mass Flow	3pts
		MAS182 Applied Mathematics	3pts	ENG207 Principles of Electronic Instrumentation	3pts
		ENG225 Circuits and Systems I	3pts	MAS161 Calculus and Matrix Algebra	3pts
				ENG297 Circuits and Systems II	3pts
			9pts	12pts	
Summer: ENG294 Discrete Time Systems				3pts	
Year 3		ENG299 Control Systems and Process Dynamics	3pts	ENG336 Engineering Finance and Law	3pts
		BEN300 Innovation and Ethics in Engineering	3pts	ENG319 Real Time and Embedded Systems	3pts
		ENG298 Principles of Process Engineering	3pts	ENG321 Instrument and Communication System	3pts
		MAS220 Mathematical Methods	3pts	ENG323 Power Transmission and Distribution Networks	3pts
		12pts		12pts	
Year 4		ENG311 PLC Systems	3pts	ENG447 Industrial Computer Systems Design	3pts
		ENG317 Electromechanical Energy Conversion	3pts	ENG451 Power Systems Protection and Control	3pts
		ENG318 Power Electronic Converters and Systems	3pts	ENG470 Honours Thesis (6pt)	6pts
		BEN300 Innovation and Ethics in Engineering	3pts		
		12pts		12pts	
Year 5		ENG448 SCADA and Systems Architecture	3pts		
		ENG449 Electrical Power Systems Design	3pts		
		ENG470 Honours Thesis (6pt)	6pts		
		12pts			