B.Eng (Hons) Double Major (Electrical Power Engineering and Instrumentation and Control 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
			MAS182 Applied Mathematics	3pts
			ENG192 Energy, Mass Flow	3pts
			Engineering Elective	3pts
				12pts
Year 2	BEN150 Design Concepts in Engineering	3pts	ENG294 Discrete Time Systems	3pts
	BEN100 Transitioning into Engineering	3pts	MAS221 Mathematical Modelling	3pts
	MAS161 Calculus and Matrix Algebra	3pts	ENG207 Principles of Electronic Instrumentation	3pts
	ENG225 Circuits and Systems I	3pts	ENG297 Circuits and Systems II	3pts
		12pts		12pts
Year 3	ENG299 Control Systems and Process Dynamics	3pts	ENG336 Engineering Finance and Law	3pts
	BEN300 Innovation and Ethics in Engineering	3pts	ENG322 Process Control Engineering II	3pts
	ENG298 Principles of Process Engineering	3pts	ENG323 Power Transmission and Distribution Networks	3pts
	Engineering Elective	3pts	Engineering Elective	3pts
		12pts		12pts
Year 4	ENG308 Advanced Process and Instrumentation Engineering	3pts	ENG451 Power Systems Protection and Control	3pts
	ENG309 Process Control Engineering I	3pts	ENG446 Process Control and Safety Systems	3pts
	ENG317 Electromechanical Energy Conversion	3pts	ENG470 Honours Thesis (6pt)	6pts
	ENG318 Power Electronic Converters and Systems	3pts		
		12pts		12pts
Year 5	ENG449 Electrical Power Systems Design	3pts		
	ENG445 Instrumentation and Control Systems Design	3pts		
	ENG470 Honours Thesis (6pt)	6pts		
		12pts		