

## B.Eng (Hons) Double Major (Industrial Computer Systems Engineering and Renewable Energy 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	
			ENG192 Energy, Mass Flow	3pts	
				12pts	
Year 2		BEN150 Design Concepts in Engineering	3pts	ENG336 Engineering Finance and Law	3pts
		MAS182 Applied Mathematics	3pts	ENG207 Principles of Electronic Instrumentation	3pts
		PEN120 General Physics		MAS161 Calculus and Matrix Algebra	3pts
		ENG225 Circuits and Systems I	3pts	ENG297 Circuits and Systems II	3pts
			9pts		12pts
Summer: ENG294 Discrete Time Systems				3pts	
Year 3		ENG299 Control Systems and Process Dynamics	3pts	ENG319 Real Time and Embedded Systems	3pts
		BEN300 Innovation and Ethics in Engineering	3pts	ENG321 Instrument and Communication System	3pts
		ENG298 Principles of Process Engineering	3pts	ENG337 Applied Photovoltaics	3pts
		MAS220 Mathematical Methods	3pts	ENG339 Wind and Hydro Power Systems	3pts
			12pts		12pts
Year 4		ENG311 PLC Systems	3pts	ENG447 Industrial Computer Systems Design	3pts
		ENG338 Energy Supply and Management	3pts	ENG441 Solar Thermal and Biomass Engineering	3pts
		BEN300 Innovation and Ethics in Engineering	3pts	ENG470 Honours Thesis (6pt)	6pts
		Engineering Elective	3pts		
			12pts		12pts
Year 5		ENG449 Electrical Power Systems Design	3pts		
		ENG445 Instrumentation and Control Systems Design	3pts		
		ENG470 Honours Thesis (6pt)	6pts		
			12pts		