

B.Eng (Hons) Double Major (Instrumentation and Control Engineering and Renewable Energy Engineering)

For students commencing in Semester 1 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	ENG322 Process Control Engineering II 3pts
		ENG298 Principles of Process Engineering	3pts	ENG337 Applied Photovoltaics 3pts
		MAS220 Mathematical Methods	3pts	ENG339 Wind and Hydro Power Systems 3pts
			12pts	
Year 4		ENG308 Advanced Process and Instrumentation Engineering	3pts	ENG446 Process Control and Safety Systems 3pts
		ENG309 Process Control Engineering I	3pts	ENG441 Solar Thermal and Biomass Engineering 3pts
		ENG338 Energy Supply and Management	3pts	ENG470 Honours Thesis (6pt) 6pts
		Engineering Elective	3pts	
			12pts	
Year 5		ENG449 Electrical Power Systems Design	3pts	
		ENG445 Instrumentation and Control Systems Design	3pts	
		ENG470 Honours Thesis (6pt)	6pts	
			12pts	