B.Eng (Hons) Double Major (Industrial Computer Systems Engineering and Renewable Energy Engineering)

For students commencing in Semester 1 2021 at the South Street, Murdoch Campus

This sample study plan is based on the 2020 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	BEN100 Transitioning into Engineering	**3pts**	ENG109 Engineering Computing Systems	**3pts**
	BEN150 Design Concepts in Engineering	**3pts**	MAS161 Calculus and Matrix Algebra	**3pts**
	Engineering Elective	**3pts**	ENG192 Energy, Mass Flow	**3pts**
	MAS182 Applied Mathematics	**3pts**	Engineering Elective	**3pts**
		12pts		**12pts**
Year 2	ENG298 Principles of Process Engineering	3pts	ENG294 Discrete Time Systems	3pts
	ENG225 Circuits and Systems I	3pts	ENG207 Principles of Electronic Instrumentation	3pts
	Engineering Elective	3pts	ENG336 Engineering Finance and Law	3pts
	ENG299 Control Systems and Process Dynamics	3pts	ENG297 Circuits and Systems II	3pts
		12pts		12pts
Year 3	ENG311 PLC Systems	3pts	ENG319 Real Time and Embedded Systems	**3pts**
	ENG338 Energy Supply and Management	3pts	ENG321 Instrument and Communication System	**3pts**
	BEN300 Innovation and Ethics in Engineering	3pts	ENG337 Applied Photovoltaics	**3pts**
	MAS221 Mathematical Modelling	3pts	ENG339 Wind and Hydro Power Systems	**3pts**
		12pts		12pts
Year 4	ENG448 SCADA and Systems Architecture	**3pts**	ENG447 Industrial Computer Systems Design	**3pts**
	ENG442 Renewable Energy Systems Engineering	**3pts**	ENG441 Solar Thermal and Biomass Engineering	**3pts**
	ENG470 Honours Thesis (6pt)	**6pts**	ENG470 Honours Thesis (6pt)	**6pts**
		12pts		12pts