

B.Eng (Hons) Double Major (Instrumentation and Control 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	
2021	Year 1	BEN100 Transitioning into Engineering BEN150 Design Concepts in Engineering Engineering Elective MAS182 Applied Mathematics	3pts 3pts 3pts 3pts	ENG109 Engineering Computing Systems MAS161 Calculus and Matrix Algebra ENG192 Energy, Mass Flow Engineering Elective	3pts 3pts 3pts 3pts
			12pts		12pts
	Year 2	ENG298 Principles of Process Engineering ENG225 Circuits and Systems I Engineering Elective ENG299 Control Systems and Process Dynamics	3pts 3pts 3pts 3pts	ENG294 Discrete Time Systems ENG207 Principles of Electronic Instrumentation MAS221 Mathematical Modelling ENG297 Circuits and Systems II	3pts 3pts 3pts 3pts
			12pts		12pts
2021	Year 3	ENG308 Advanced Process and Instrumentation Engineering ENG309 Process Control Engineering I ENG338 Energy Supply and Management BEN300 Innovation and Ethics in Engineering	3pts 3pts 3pts 3pts	ENG336 Engineering Finance and Law ENG322 Process Control Engineering II ENG337 Applied Photovoltaics ENG339 Wind and Hydro Power Systems	3pts 3pts 3pts 3pts
			12pts		12pts
	Year 4	ENG442 Renewable Energy Systems Engineering ENG445 Instrumentation and Control Systems Design ENG470 Honours Thesis (6pt)	3pts 3pts 6pts	ENG446 Process Control and Safety Systems ENG441 Solar Thermal and Biomass Engineering ENG470 Honours Thesis (6pt)	3pts 3pts 6pts
			12pts		12pts