B.Eng (Hons) Double Major (Industrial Computer Systems Engineering and Instrumentation and Control 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	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	MAS221 Mathematical Modelling	3pts	
	ENG299 Control Systems and Process Dynamics	3pts	ENG297 Circuits and Systems II	3pts	
		12pts		12pts	
Year 3	ENG311 PLC Systems	3pts	ENG336 Engineering Finance and Law	3pts	
	ENG308 Advanced Process and Instrumentation Engineering	3pts	ENG319 Real Time and Embedded Systems	3pts	
	ENG309 Process Control Engineering I	3pts	ENG321 Instrument and Communication System	3pts	
	BEN300 Innovation and Ethics in Engineering	3pts	ENG322 Process Control Engineering II	3pts	
		12pts		12pts	
Year 4	ENG448 SCADA and Systems Architecture	3pts	ENG447 Industrial Computer Systems Design	3pts	
	ENG445 Instrumentation and Control Systems Design	3pts	ENG446 Process Control and Safety Systems	3pts	
	ENG470 Honours Thesis (6pt)	6pts	ENG470 Honours Thesis (6pt)	6pts	
		12pts		12pts	