B.Eng (Hons) (Industrial Computer Systems 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**
				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
				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		ENG336 Engineering Finance and Law	**3pts**
	BEN300 Innovation and Ethics in Engineering	3pts		ENG319 Real Time and Embedded Systems	**3pts**
	ENG298 Principles of Process Engineering	3pts		ENG321 Instrument and Communication System	**3pts**
	MAS220 Mathematical Methods	3pts		Engineering Elective	**3pts**
		12pts			12pts
Year 4	ENG311 PLC Systems	**3pts**		ENG447 Industrial Computer Systems Design	**3pts**
	Engineering Elective	**3pts**		Engineering Elective	**3pts**
	Engineering Elective	**6pts**		ENG470 Honours Thesis (6pt)	**6pts**
	Engineering Elective				
		12pts			12pts
Year 5	ENG448 SCADA and Systems Architecture	3pts			
	Engineering Elective	3pts			
	ENG470 Honours Thesis (6pt)	**6pts**			
		12pts			