B.Eng (Hons) (Industrial Computer Systems 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	**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
	BEN300 Innovation and Ethics in Engineering	3pts	**ENG319 Real Time and Embedded Systems**	3pts
	Engineering Elective	3pts	**ENG321 Instrument and Communication System**	3pts
	Engineering Elective	3pts	**Engineering Elective**	3pts
		12pts		12pts
Year 4	**ENG448 SCADA and Systems Architecture**	3pts	**ENG447 Industrial Computer Systems Design**	3pts
	Engineering Elective	3pts	**Engineering Elective**	3pts
	ENG470 Honours Thesis (6pt)	6pts	**ENG470 Honours Thesis (6pt)**	6pts
		12pts		12pts