B.EngTech in Engineering Technology 2020

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	MAS182 Applied Mathematics	3pts	MAS161 Calculus and Matrix Algebra	3pts
	BEN150 Design Concepts in Engineering	3pts	ENG192 Energy, Mass Flow	3pts
	Engineering Elective	3pts	Engineering Elective	3pts
	Engineering Elective	3pts	Engineering Elective	3pts
		12pts		12pts
Year 3	ENG298 Principles of Process Engineering	3pts	ENG336 Engineering Finance and Law	3pts
	BEN300 Innovation and Ethics in Engineering	3pts	ENG310 Engineering Technology Project	3pts
	ENG299 Control Systems and Process Dynamics	3pts	MAS221 Mathematical Modelling	3pts
	Engineering Elective	3pts	Engineering Elective	3pts
		12pts		12pts
Year 4	Engineering Elective	3pts		
	Engineering Elective	3pts		
	Engineering Elective	3pts		
	Engineering Elective	3pts		
		12pts		

Industrial Computer Systems Engineering
ENG207 Principles of Electronic Instrumentation
ENG294 Discrete Time Systems
ENG311 PLC Systems
ENG319 Real Time and Embedded Systems
ENG321 Instrument and Communication System

Instrumentation and Control Engineering
ENG207 Principles of Electronic Instrumentation
ENG294 Discrete Time Systems
ENG308 Advanced Process and Instrumentation Engineering
ENG309 Process Control Engineering I
ENG322 Process Control Engineering II

Electrical Power Engineering
ENG207 Principles of Electronic Instrumentation
ENG207 Principles of Electronic Instrumentation
ENG297 Circuits and Systems II
ENG317 Electromechanical Energy Conversion
ENG318 Power Electronic Converters and Systems
ENG323 Power Transmission and Distribution Networks

Renewable Energy Engineering
ENG207 Principles of Electronic Instrumentation
ENG297 Circuits and Systems II
ENG337 Applied Photovoltaics
ENG339 Wind and Hydro Power Systems
ENG338 Energy Supply and Management