

## 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		
		<b>Industrial Computer Systems Engineering</b>		<b>Renewable Energy Engineering</b>	
		ENG207 Principles of Electronic Instrumentation		ENG207 Principles of Electronic Instrumentation	
		ENG294 Discrete Time Systems		ENG297 Circuits and Systems II	
		ENG311 PLC Systems		ENG337 Applied Photovoltaics	
		ENG319 Real Time and Embedded Systems		ENG339 Wind and Hydro Power Systems	
		ENG321 Instrument and Communication System		ENG338 Energy Supply and Management	
		<b>Instrumentation and Control Engineering</b>			
		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			
		<b>Electrical Power Engineering</b>			
		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			