B.EngTech in Engineering Technology

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**
	MAS164 Fundamentals of Mathematics	**3pts**	**MAS182 Applied Mathematics**	**3pts**
	Engineering Elective	**3pts**	**ENG192 Energy, Mass Flow**	**3pts**
	BEN150 Design Concepts in Engineering	**3pts**	**PEN120 General Physics**	**3pts**
		12pts		12pts
Year 2	**ENG298 Principles of Process Engineering**	3pts	**MAS221 Mathematical Modelling**	3pts
	MAS161 Calculus and Matrix Algebra	3pts	**Engineering Elective**	3pts
	ENG299 Control Systems and Process Dynamics	3pts	**Engineering Elective**	3pts
	Engineering Elective	3pts	**Engineering Elective**	3pts
		12pts		12pts
Year 3	**BEN300 Innovation and Ethics in Engineering**	3pts	**ENG336 Engineering Finance and Law**	**3pts**
	Engineering Elective	3pts	**ENG310 Engineering Technology Project**	**3pts**
	Engineering Elective	3pts	**Engineering Elective**	**3pts**
	Engineering Elective	3pts	**Engineering Elective**	**3pts**
		12pts		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