

## B.EngTech in Engineering Technology 2020

**For students commencing in Semester 1 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	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