

## B.Com (Management) & B.Eng (Hons) Double Major (Instrumentation and Control Engineering the Electrical Power Engineering)

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	<b>BEN100</b> Transitioning into Engineering <b>BEN150</b> Design Concepts in Engineering <b>BUS123</b> Management in a Global Environment <b>MAS182</b> Applied Mathematics	<b>3pts</b> <b>3pts</b> <b>3pts</b> <b>3pts</b>	<b>ENG109</b> Engineering Computing Systems <b>MAS161</b> Calculus and Matrix Algebra <b>BUS124</b> Global Marketing <b>ENG192</b> Energy, Mass Flow	<b>3pts</b> <b>3pts</b> <b>3pts</b> <b>3pts</b>	
		12pts		12pts	
Year 2	<b>ENG225</b> Circuits and Systems I <b>ENG298</b> Principles of Process Engineering <b>BEN300</b> Innovation and Ethics in Engineering <b>ENG299</b> Control Systems and Process Dynamics	<b>3pts</b> <b>3pts</b> <b>3pts</b> <b>3pts</b>	<b>ENG294</b> Discrete Time Systems <b>ENG207</b> Principles of Electronic Instrumentation <b>BUS163</b> Introduction to Accounting <b>ENG297</b> Circuits and Systems II	<b>3pts</b> <b>3pts</b> <b>3pts</b> <b>3pts</b>	
		12pts		12pts	
Year 3	<b>ENG308</b> Advanced Process and Instrumentation Engineering <b>ENG317</b> Electromechanical Energy Conversion <b>ENG318</b> Power Electronic Converters and Systems <b>BUS219</b> International Business	<b>3pts</b> <b>3pts</b> <b>3pts</b> <b>3pts</b>	<b>BUS122</b> Business in Society <b>BUS171</b> Foundations of Economics <b>BUS293</b> Organisation Theory & Behaviour <b>BUS230</b> Change Management	<b>3pts</b> <b>3pts</b> <b>3pts</b> <b>3pts</b>	
		12pts		12pts	
Year 4	<b>ENG309</b> Process Control Engineering I <b>BUS369</b> Standing in the Nexus; Bridging People and Networks <b>BUS334</b> Business Analytics <b>BUS353</b> Making it Real; Operations & Project Management for Scale	<b>3pts</b> <b>3pts</b> <b>3pts</b> <b>3pts</b>	<b>ENG323</b> Power Transmission and Distribution Networks <b>ENG322</b> Process Control Engineering II <b>BUS368</b> Cultures of Innovation <b>BUS338</b> Global Strategic Management	<b>3pts</b> <b>3pts</b> <b>3pts</b> <b>3pts</b>	
		12pts		12pts	
Year 4	<b>ENG445</b> Instrumentation and Control Systems Design <b>ENG449</b> Electrical Power Systems Design <b>ENG470</b> Engineering Thesis (6pts)	<b>3pts</b> <b>3pts</b> <b>6pts</b>	<b>ENG446</b> Process Control and Safety Systems <b>ENG451</b> Power Systems Protection and Control <b>ENG470</b> Engineering Thesis (6pts)	<b>3pts</b> <b>3pts</b> <b>6pts</b>	
		12pts		12pts	