

B1317 Bachelor of Science, Engineering Technology – 72cps

Sample Course plan 2019, Semester 1 entry

Major Prerequisites

Mathematics Background

Students may need to complete one prerequisite unit depending on their background in mathematics with either a C grade in Mathematics Specialist ATAR (or Mathematics: Specialist 3C/3D) or a final scaled score of 60 percent or more in Mathematics Methods ATAR (or Mathematics 3C/3D). Students without this background will need to complete,

MAS164 Fundamentals of Mathematics - 3 points
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

Physics Background

Students may need to complete one prerequisite unit depending on their background in physics OR a final scaled score in Physics 3A/3B (or equivalent) of 60 percent or more within the past three years. Students without this background will need to complete,

PEN120 General Physics - 3 points
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

If you need MAS164 and/or PEN120, please contact your Academic Chair or Student Advisor to discuss your options, <http://our.murdoch.edu.au/Student-life/My-First-Year/Student-Life/Student-Advisors/#engineering>

	Semester 1	Semester 2		
Year 1	BEN100 Transitioning into Engineering or BSC100 Building Blocks for Science	3pts	ENG192 Energy, Mass and Flow	3pts
	MAS182 Applied Mathematics	3pts	ENG125 Circuits and Systems I	3pts
	BEN150 Design Concepts in Engineering or BSC150 What is Science	3pts	Option	3pts
	Option	3pts	Option	3pts
		<u>12pts</u>		<u>12pts</u>
Year 2	BEN200 Scientific Method in Engineering	3pts	ENG207 Principles of Electronic Instrumentation	3pts
	ENG298 Principles of Process Engineering OR ENG297 Circuits and Systems II	3pts	ENG299 Control Systems and Process Dynamics OR ENG294 Discrete Time Systems	3pts
	MAS220 Mathematical Methods OR MAS221 Mathematical Modelling	3pts	University-wide breadth unit	3pts
	Option	3pts	Option	3pts
		<u>12pts</u>		<u>12pts</u>

Students should note that if unit prerequisites are required, this may extend the duration of your course.

Disclaimer: This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as per the online [Handbook](#).

B1317 Bachelor of Science, Engineering Technology – 72cps
Sample Course plan 2019, Semester 1 entry

Year 3	BSC304 Innovation and Ethics in Science	3pts	Option	3pts
	Select One Unit from Group 4*	3pts	Option	3pts
	Select One Unit from Group 5*	3pts	Option	3pts
	Option	3pts	University-wide breadth unit	3pts
		<u>12pts</u>		<u>12pts</u>

*Group 4	*Group 5
ENG308 Advanced Process Engineering (S1)	ENG323 Power Transmission and Distribution Networks (S2)
ENG311 PLC Systems (S1)	ENG319 Real Time and Embedded Systems (S2)
ENG317 Electromechanical Energy Conversion (S1)	ENG339 Wind Energy Engineering (S2)
ENG309 Process Control Engineering I (S1)	ENG338 Energy Supply and Management (S1)
ENG318 Power Electronic Converters and Systems (S1)	ENG321 Instrument and Communication Systems (S2)
ENG337 Applied Photovoltaics (S2)	ENG322 Process Control Engineering II (S2)

Research Skills Units	
Select from the following:	
MAS223 Applied Statistics	MAS221 Mathematical Modelling
BEN200 Scientific Method in Engineering	BSC304 Innovation and Ethics in Science
BEN300 Innovation and Ethics in Engineering	MAS354 Modelling and Simulation
MAS351 Environmental and Biological Modelling	ENG336 Engineering Finance, Management and Law

Every semester, if you change anything in your course, or you fail units, this will affect your ability to progress smoothly through your degree.

If this occurs, always make an appointment with your Academic Chair to discuss.

http://www.murdoch.edu.au/contacts/academic/division/school/School_of_Engineering_and_Information_Technology/

Students should note that if unit prerequisites are required, this may extend the duration of your course.

Disclaimer: This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as per the online [Handbook](#) .