

B1317 Bachelor of Science, Chemistry – 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

Chemistry Background

Students may need to complete one prerequisite unit depending on their background in chemistry OR a final scaled score in Chemistry 3A/3B or Chemistry ATAR of 50 percent or more within the past three years. Students without this background will need to complete,

CHE140 Fundamentals of Chemistry - 3 points
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

If you need MAS164, CHE140 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	BSC100 Building Blocks for Science	3pts	BSC150 What is Science?	3pts
	PEN152 Principles of Physics	3pts	CHE145 Introduction to Chemical Concepts	3pts
	MAS182 Applied Mathematics	3pts	MAS161 Calculus and Matrix Algebra	3pts
	CHE144 Foundations of Chemistry	3pts	Option	3pts
		<u>12pts</u>		<u>12pts</u>
Year 2	Research Skills Unit (Choose from list below*)	3pts	CHE205 Organic and Biological Chemistry 1	3pts
	CHE207 Chemical Analysis	3pts	Option	3pts
	CHE202 Physical Chemistry 1	3pts	Option	3pts
	Option	3pts	University-wide breadth unit	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](#).

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Year 3	Research Skills Unit (Choose from list below*)	3pts	CHE304 Materials Chemistry	3pts
	Option	3pts	CHE347 Physical Chemistry 11	3pts
	CHE308 Organic and Biological Chemistry 11	3pts	Option	3pts
	Option	3pts	University-wide breadth unit	3pts
		<u>12pts</u>		<u>12pts</u>

*Research Skills Units. Select from the following:

CHE309 Advanced Projects in Chemistry and Mineral Science MAS221 Mathematical Modelling

BSC304 Innovation and Ethics in Science

Every semester, if you change anything in your course, or you fail units, please make an appointment with your Academic Chair to discuss.

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

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