

B1317A Bachelor of Science, Major Mineral Science – Semester 1, 2020

Academic Chair: Dr. Artur Deditius a.deditius@ Murdoch.edu.au

	Semester 1		Semester 2	
2020	BSC100 Building Blocks for Science Students	3pts	PEN152 Principles of Physics	3pts
	ENG193 Introduction to the Minerals Industry	3pts	MSP100 Career Learning: Managing Your Career	3pts
	MAS182 Applied Mathematics	3pts	MAS161 Calculus and Matrix Algebra	3pts
	CHE144 Foundations of Chemistry	3pts	100 level General elective	3pts
		<u>12pts</u>		<u>12pts</u>
2021	ENG202 Engineering Thermodynamics	3pts	MSP200 Building Enterprise Skills	3pts
	ENG205 Process Mineralogy	3pts	200 level General Elective (e.g. MAS221 Mathematical Modelling)	3pts
	ENG224 Principles of Unit Operations	3pts	200 level General Elective	3pts
	200 level General Elective (e.g. BRD203 Carbon and Climate: A Wicked Problem)	3pts	200 level General Elective	3pts
		<u>12pts</u>		<u>12pts</u>
2023	ENG324 Principles of Mineral Processing	3pts	ENG326 Hydrometallurgy	3pts
	ENG325 Pyrometallurgy	3pts	300 level General Elective	3pts
	MSP 201 Real World Learning	3pts	(e.g. CHE309 Advanced Projects in Chemistry and Mineral Science)	
	300 level General Elective (e.g. BSC304 Innovation and Ethics in Science)	3pts	300 level General Elective	3pts
		<u>12pts</u>	300 level General Elective	3pts
			<u>12pts</u>	

* Students should complete CHE140 as a General Elective if they have not successfully achieved at least a final scaled score of 50% or higher in ATAR Chemistry (WACE Chemistry 3A/3B).

* Students should complete MAS164 as a General Elective if they have not successfully achieved at least a final scaled score of 55% or higher in ATAR Mathematics Methods (WACE Mathematics 3C/3D).

* Students should complete PEN120 as a General Elective if they have not successfully achieved at least a final scaled score of 60% or higher in ATAR Physics (WACE 3A/3B).

If you have been granted Advanced Standing for any of the above units, please contact your Academic Chair or a Student Advisor for information on your individual enrolment.

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](#). This course plan will vary depending on your entry date and your academic progression. Students should note that due to unit prerequisites, commencing study in semester 2 may extend the duration of the course.