

# B1368 Bachelor of Education (Secondary)

## (MJ-PHS) Physical Sciences Teaching (Major)

## Second Teaching Area (Co-Major)

Academic Chair

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Mathematics Teaching (CJ-MAMS)

Year:

2025

Semester:

2

Once students have successfully completed requirements they will receive Advanced Standing for the following units, which are required to progress within and graduate from the course: EDN199 SimLab Entry Screening – 0pts EDN298 LANTITE Literacy – 0pts EDN299 LANTITE Numeracy – 0pts (STUDENTS DO NOT ENROL IN THESE 3 UNITS)

		School Term 3 (ST3)		Semester 2 (S2)			
Year 1 - 2025	Units	CP	Units	CP	Units	CP	
	EDN180 Literacy & Numeracy in Secondary Education <i>(this unit can be taken in 2025 if necessary. ST3 starts BEFORE S2)</i>		3	BED150 Understanding Teachers Work*	3		
				PEN152 Principles of Physics	3		
				MAS164 Fundamentals of Mathematics	3		
				SEMESTER 2 + ST3 TOTAL		12	
Year 2 - 2026	Semester 1 (S1)				Semester 2 (S2)		
	BED100 Ideas in Education	3			MAS182 Applied Mathematics	3	
	EDN113 Living & Learning with Technology	3			PEN200 The Quantum Realm	3	
	CHE144 Foundations of Chemistry	3			MAS161 Calculus & Matrix Algebra	3	
	MAS183 Statistical Data Analysis	3			Physical Sciences Specified Elective *	3	
	SEMESTER 1 TOTAL	12			SEMESTER 2 TOTAL	12	
Year 3 - 2027	Semester 1 (S1)		Placement Period (EP3)		Semester 2 (S2)		
	EDN221 Learning & Teaching	3	EDN2101 Professional Experience Secondary *	3	BED200 Assessment & Action Research	3	
	EDN376 Teaching Science 7-10	3			Mathematics Specified Elective **	3	
	EDN358 Creating & Managing Effective Learning Environments	3			CHE200 Electrochemistry & Electromagnetism	3	
	CHE207 Chemical Analysis	3					
	SEMESTER 1 TOTAL	12			SEMESTER 2 + EP3 TOTAL		12
Year 4 – 2028	Summer (UA4)	Semester 1 (S1)		Semester 2 (S2)		School Term 4 (ST4)	
	EDN451 Adolescent, Family & Community Health 3	EDN373 Teaching Maths 7-10	3	EDN449 Inclusive Education (ST3)	3	EDN340 Professional Experience Secondary *	3
		EDN353 Country Cultures People: ATSI Perspectives	3	Physical Sciences Specified Elective *	3		
		PEN201 Thermodynamics for Chemistry & Physics	3				
	UA4 + SEMESTER 1 TOTAL		12	SEMESTER 2 + ST4 TOTAL			



Year 5 – 2029	School Term 1 (ST1)		Semester 1 (S1)			
	EDN476 Teaching Science 11-12	3	EDN499 QTPA (EP4)	3		
	EDN473 Teaching Maths 11-12	3	EDN4301 Final Professional Experience (EP3) *	6		
	SEMESTER 1 +ST1 TOTAL			15		
					Total Credit Points	96
<b>Physical Specified Electives:</b>  * <b>Physical Sciences Specified Elective Units to choose from (choose 2):</b> CHE140 Fundamentals of Chemistry PEN120 General Physics BIO103 Environmental Biology				<b>** Mathematics Specified Elective Units to choose from:</b> MAS220 Mathematical Methods MAS222 Probability and Statistical Inference MAS221 Mathematical Modelling		
<p>* Denotes a <b>Placement Unit</b> Students are required to enrol in placement units at the <b>beginning</b> of the calendar year. Placement lengths and dates vary from year to year. Students are advised to review the <a href="#">School of Education Academic Calendar</a> each year and seek clarification from the <a href="#">Handbook</a> regarding placement length and requirements.</p>						
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 ( <a href="https://handbook.murdoch.edu.au/">https://handbook.murdoch.edu.au/</a> ). Students should note that due to unit prerequisites, commencing study in semester 2 may extend the duration of the course. Correct as at 15/08/2023						