

B1368 Bachelor of Education (Secondary)

(MJ-PHS) Physical Sciences Teaching (Major)

Second Teaching Area (Co-Major)

Academic Chair

Dr Alison HILTON a.hilton@murdoch.edu.au

Mathematics Teaching (CJ-MAMS)

Year:

2024

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)			
	Units	CP	Units	CP	Units	CP		
Year 1 - 2024			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 - 2025	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 - 2026	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 - 2027	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		9

Year 5 - 2028	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

Physical Specified Electives:

*** Physical Sciences Specified Elective Units to choose from (choose 2):**

CHE140 Fundamentals of Chemistry
 PEN120 General Physics
 BIO103 Environmental Biology

**** Mathematics Specified Elective Units to choose from:**

MAS220 Mathematical Methods
 MAS222 Probability and Statistical Inference
 MAS221 Mathematical Modelling

*** Denotes a Placement Unit**

Students are required to enrol in placement units at the **beginning** of the calendar year.

Placement lengths and dates vary from year to year. Students are advised to review the [School of Education Academic Calendar](#) each year and seek clarification from the [Handbook](#) regarding placement length and requirements.

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 (<https://handbook.murdoch.edu.au/>). 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