

# 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](mailto:a.hilton@murdoch.edu.au)

Mathematics Teaching (CJ-MAMS)

**Year:**

2025

**Semester:**

1

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)

		Semester 1 (S1)		School Term 3 (ST3)		Semester 2 (S2)		
		Units	CP	Units	CP	Units	CP	
Year 1 - 2025		BED100 Ideas in Education	3	EDN180 Literacy & Numeracy in Secondary Education	3	BED150 Understanding Teachers Work*	3	
		EDN113 Living & Learning with Technology	3			PEN152 Principles of Physics	3	
		CHE144 Foundations of Chemistry	3			MAS164 Fundamentals of Mathematics	3	
		MAS183 Statistical Data Analysis	3					
		<b>SEMESTER 1 TOTAL</b>	<b>12</b>			<b>SEMESTER 2 + ST3 TOTAL</b>	<b>12</b>	
Year 2 - 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			MAS182 Applied Mathematics	3	
		EDN358 Creating & Managing Effective Learning Environments	3			PEN200 The Quantum Realm	3	
		CHE207 Chemical Analysis	3					
	<b>SEMESTER 1 TOTAL</b>	<b>12</b>			<b>SEMESTER 2 + EP3 TOTAL</b>	<b>12</b>		
Year 3 - 2027		Summer (UA4)	Semester 1 (S1)		Semester 2 (S2)		School Term 4 (ST4)	
	3	EDN451 Adolescent, Family & Community Health	EDN373 Teaching Maths 7-10	3	EDN449 Inclusive Education	3	EDN340 Professional Experience Secondary *	3
			EDN353 Country Cultures People: ATSI Perspectives	3	Mathematics Specified Elective **	3		
			MAS161 Calculus & Matrix Algebra	3	CHE200 Electrochemistry & Electromagnetism	3		
			Physical Sciences Specified Elective *	3				
	<b>UA4 + SEMESTER 1 TOTAL</b>	<b>15</b>			<b>SEMESTER 2 + ST4 TOTAL</b>	<b>12</b>		
Year 4 - 2028		School Term 1 (ST1)		Semester 1 (S1)		Semester 2		
		EDN476 Teaching Science 11-12	3	Physical Sciences Specified Elective *	3	EDN499 QTPA (EP4)	3	
		EDN473 Teaching Maths 11-12	3	PEN201 Thermodynamics for Chemistry & Physics	3	EDN4301 Final Professional Experience (EP3) *	6	
				<b>SEMESTER 1 + ST1 TOTAL</b>	<b>12</b>	<b>SEMESTER 2 TOTAL</b>	<b>9</b>	
<b>Total Credit Points</b>							<b>96</b>	

**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 1/11/2024.