B1368 Bachelor of Education (Secondary) (Mathematics Teaching Major MJ-MAMS)

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Start Date: Semester 1 2027

*For students beginning from 2026, LANTITE must be **attempted** in the first year of study. EDN100 (0-point unit) will show in advanced standing when this has been attempted.*

Year 1 – 2027	**Semester 1 Units (S1 and S1E)**	**CP**	**School Term 3 Units (ST3)**	**CP**
	BED100 Ideas in Education	3	EDN180 Literacy & Numeracy in Secondary Education	3
	EDN113 Living & Learning with Technology	3	**Semester 2 Units (S2 and S2E)**	**CP**
	MAS164 Fundamentals of Mathematics	3	**BED150 Understanding Teachers Work (10 day block, [term3]) *(prereqs: BED100)***	3
	Co-Major Unit (See below)	3	MAS182 Applied Mathematics *(prereqs: MAS164)*	3
			Co-Major Unit (See below)	3
	Total	**12**	**Total**	**12**
Year 2 - 2028	**Semester 1 Units (S1 and S1E)**	**CP**	**School Term 3 Units (ST3)**	**CP**
	EDN221 Learning & Teaching *(prereqs: BED150, EDN100 LANTITE attempt)*	3	** EDN2101 Professional Experience Secondary (20 day block, [term3]) *(prereqs: EDN221)*	3
	EDN373 Teaching Mathematics *(prereqs: BED150; coreqs: EDN221)*	3	**Semester 2 Units (S2 and S2E)**	**CP**
	EDN358 Creating & Managing Effective Learning Environments *(prereqs: BED150)*	3	BED200 Assessment & Action Research *(prereqs: EDN221)*	3
	MAS161 Calculus & Matrix Algebra *(prereqs: MAS182)*	3	**MAS183 Statistical Data Analysis**	3
			Co-Major Unit (See below)	3
	Total	**12**	**Total**	**12**
Year 3 - 2029	**Summer Units (UA4)**	**CP**	**Semester 2 Units (S2 and S2E)**	**CP**
	EDN451 Adolescent, Family & Community Health	3	MAS162 Foundation of Discrete Mathematics *(prereqs: MAS161 or MAS164 or MAS182)*	3
	Semester 1 Units (S1 and S1E)	**CP**	EDN449 Inclusive Education *(prereqs: BED200)*	3
	EDN37X Teaching Co-Major Area (See below)	3	Level 2 Maths Specified Elective (See below)	3
	EDN353 Country Cultures People: ATSI Perspectives *(prereqs: EDN221)*	3	**School Term 4 Units (ST4)**	**CP**
	Co-Major Unit (See below)	3	** EDN340 Professional Experience Secondary Teaching (10 day block and 10 days distributed, [term4]) *(prereqs: EDN2101)*	3
	MAS222 Probability & Statistical Inference *(prereqs: MAS182 and (MAS183 or MAS162))*	3		
	Total	**15**	**Total**	**12**
Year 4 - 2030	**School Term 1 Units (ST1)**	**CP**	**Semester 2 Units (S2E)**	**CP**
	EDN473 Teaching Senior Secondary Mathematics *(prereqs: EDN373 and EDN340)*	3	** EDN4301 Final Professional Experience 2: Secondary Teaching (EP3, 30 day block, [term3]) *(prereqs: Everything except EDN4301 and EDN499)*	6
	EDN47X Teaching Senior Secondary Co-Major Area (See below)	3	EDN499 QTPA (EP4) *(prereqs: Everything except EDN4301 and EDN499)*	3
	Semester 1 Units (S1)	**CP**		
	Co-Major Unit (See below)	3		
	Level 3 Maths Specified Elective (See below)	3		
	Total	**12**	**Total**	**9**

TOTAL CREDIT POINTS 96

-ALL students must also complete the following units: EDN298 LANTITE Literacy – 0pts; EDN299 LANTITE Numeracy – 0pts, EDN100 LANTITE attempt (first year of study). Students do not enrol in these three units. They will receive advanced standing for these, which is required to progress within and graduate from the course. **https://teacheredtest.acer.edu.au/**

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

-BED100 (Ideas in Education) must be completed in your first semester of study.

-All units are 3 Credit Points (CPs) unless otherwise stated.

MAJOR UNITS

Required core units are shown in bold.

Additionally, students must enrol in the following specified elective units to complete their major.

Level 2 Specified Electives – 3 Credit Points

Undertake **ONE** of the following specific electives

- MAS221 Mathematical Modelling and Differential Equations [S2] (prereqs: MAS161 or MAS182)
- MAS223 Applied Statistics [S2] (prereqs: MAS183)

Level 3 Specified Electives – 3 Credit Points

Choose **ONE** of the following specified electives

- EDN329 Teaching Mathematics and Numeracy to Students with Learning Difficulties [S2] (prereqs: EDN2101)
- MAS352 Time Series Analysis [S1] (prereqs: MAS161 and MAS222)
- MAS353 Statistical Modelling and Experimental Design [S2] (prereqs: MAS222 or MAS223)
- MAS354 Modelling and Simulation [S2] (prereqs: (MAS162 and MAS182) or MAS161 or MAS221)

CO-MAJOR AREAS OF STUDY – Students must enrol in one Co-Major below and complete the required units.

Required core units are shown in bold.

Physical Sciences (CJ-PHS)

Undertake **ALL** the following specified units

- **PEN152** Principles of Physics [S2] (prereqs: PEN120; coreqs: MAS161 or MAS182)
- **CHE144** Foundations of Chemistry [S1 or S2] (prereqs: CHE140 or ATAR Chemistry)
- **CHE207** Chemical Analysis [S1] (prereqs: CHE144)
- **EDN376** Teaching Science [S1E] (prereqs: BED150; coreqs: EDN221)
- **EDN476** Teaching Senior Secondary Science [ST1] (prereqs: EDN376)

Choose **TWO** of the following specified electives

- PEN120 General Physics [S1 or S2]
- CHE140 Fundamentals of Chemistry [S1 or S2]
- CHE200 Electromagnetism and Electrochemistry [S2] (prereqs: CHE144 and PEN152)
- PEN200 The Quantum Realm [S2] (prereqs: CHE144 and PEN152)

Earth & Environment Science (CJ-EESM)

Undertake **ALL** the following specified units

- **BIO103** Environmental Biology [S1]
- **ENV102** Foundations of the Environment [S2]
- **ENV241** Ecology [S2] (prereqs: BIO103 and MAS183)
- **EDN376** Teaching Science [S1E] (prereqs: BED150; coreqs: EDN221)
- **EDN476** Teaching Senior Secondary Science [ST1] (prereqs: EDN376)

Choose **ONE** of the following specified electives

- CHE140 Fundamentals of Chemistry [S1 or S2]
- CHE144 Foundations of Chemistry [S1 or S2] (prereqs: CHE140 or ATAR Chemistry)

Choose **ONE** of the following specified electives

- ENV242 Atmospheric and Climate Science [S1]
- ENV243 Water and Earth Science [S1]
- SIK201 Two-Way Science [S2]

Biological Science (CJ-BESM)

Undertake **ALL** the following specified units

- **BIO103** Environmental Biology [S1]
- **BIO152** Cell Biology [S1 or S2] (prereqs: CHE140)
- **EDN376** Teaching Science [S1E] (prereqs: BED150; coreqs: EDN221)
- **EDN476** Teaching Senior Secondary Science [ST1] (prereqs: EDN376)

Choose **ONE** of the following specified electives

- CHE140 Fundamentals of Chemistry [S1 or S2]
- CHE144 Foundations of Chemistry [S1 or S2] (prereqs: CHE140 or ATAR Chemistry)

Choose **ONE** of the following specified electives

- BIO257 Australian Biodiversity [S2]
- ENV241 Ecology [S2] (prereqs: BIO103 and MAS183)

Choose **ONE** of the following specified electives

- BIO356 Genetics and Evolution [S1] (prereqs: BIO152 and (MAS182 or MAS183))
- BIO375 Conservation Biology [S1] (prereqs: ENV241)

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English (CJ-SE)

Undertake **FIVE** the following specified units

- **EGL102** Writing Creatively: An Introduction [S1], or **EGL100** Literature Matters: Transformative Theories in Reading and Writing [S2]
- EGL248 Novel Encounters [S1], or EGL249 The Short Story: Approaches to Reading and Writing [S2 odd years]
- **EGL301** Literature for Children and Young Adults [S2]
- **EDN372** Teaching English [S1E] (prereqs: BED150; coreqs: EDN221)
- **EDN472** Teaching Senior Secondary English [ST1] (prereqs: EDN372 and EDN340)

Choose **TWO** of the following specified electives not included above

- **EGL100** Literature Matters: Transformative Theories in Reading and Writing [S2]
- **EGL102** Writing Creatively: An Introduction [S1]
- EGL206 Creating New Worlds [S2 even years]
- EGL207 Australian Poetry: Storytelling and the Creative Space [S1 odd years]
- EGL208 Reading Queer Lit: Classic to Contemporary [S1 odd years]
- EGL211 First Nations and World Literature [S2]
- EGL231 Poetry as Performance: Sonnet to Slam [S1 even years]
- EGL235 Australian Literature and Film [S2 even years]
- EGL243 Storytelling in Australia [W]
- EGL244 Shakespear and his Contemporaries: Page and Stage [S1]
- EGL248 Novel Encounters [S1]
- EGL249 The Short Story: Approaches to Reading and Writing [S2 odd years]
- EGL303 Border Crossings: Narratives of Insecurity, Displacement and Precarity [S2 even years]

HASS (CJ-HASS)

Undertake **ALL** the following specified units

- **POL133** Politics, Power and Policy [S1]
- **HIS182** The Making of the Modern World: From Printing Press to Atomic Bomb [S1]
- **SUS100** Introduction to Sustainable Development [S1 or S2]
- **EDN377** Teaching Humanities and Social Sciences [S1E] (prereqs: BED150; coreqs: EDN221)
- **EDN477** Teaching Senior Secondary Humanities and Social Sciences [ST1] (prereqs: EDN377 and EDN340)

Choose **TWO** of the following specified electives

- HIS207 The Silk Roads: Europe and Asia in the Middle Ages [S2 even years]
- HIS208 Australian Political History [S1 even years]
- HIS304 Environmental Crisis in Australia and its Region [S1 odd years]
- SIK200 Hot Topics in Indigenous Australia [S1]
- POL203 Climate Change, Natural Resources and Conflict [S2]
- POL226 Sex and Gender Matters [S2]

Secondary Education Support (CJ-SES)

Undertake **ALL** the following specified units

- **PSY172** Introduction to Psychological Health and Wellbeing [S2]
- **SIK102** Wandju Boodja (Welcome to Country) [S1, S2 or SUM]
- **EDN328** Teaching English and Literacy to Students with Learning Difficulties and Disabilities [S1E] (prereqs: EDN180)
- **EDN329** Teaching Mathematics and Numeracy to Students with Learning Difficulties [S1E] (prereqs: EDN2101)
- ****EDN323** Education Support in Schools (Secondary) – 6 Credit Points [Y] (10 day distributed, [term2&3]) (prereqs: EDN329)
- **EDN330** Teaching Students with High Incidence Disabilities [SB2] (prereqs: EDN2101)

Please note: This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as outlined in the Handbook for your year of commencement. Students should note that due to unit prerequisites, commencing study in Semester 2 may extend the duration of the course. This information is correct as at 11/11/26.