



MACQUARIE
University

Macquarie School of Education

Faculty of Arts

Secondary Teacher Education Program Undergraduate Student Guide 2020

18 Feb 2020 Update – pages 11-17, 19, 21

16 Nov 2022 Update – EDST3010 moving to Session 2 in 2022

EDST3010 - Practice of Teaching: Classroom Management and Assessment in the Secondary School will, from 2022, be offered in Session 2. This guide has been updated with information on what the alternate full-time pattern of study may look like. As there have been many changes to majors, minors and unit offerings, this is only a guide. Based on your enrolment and progression, your program may look different.

Please take the time to review your program and plan your remaining studies with EDST3010 in S2, 2022. There is a template at the end of this guide that may be helpful.

Should you require further guidance, please submit a request for academic advice through ask.mq.edu.au.

**Bachelor of Arts
and Bachelor of Education (Secondary)**

**Bachelor of Science
and Bachelor of Education (Secondary)**

**Bachelor of Commerce and Bachelor of Education
(Secondary)**

Students commencing in 2020 are advised to retain the 2020 Student Guide and to refer to it in each subsequent year of study.

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Important Links

Department of Educational Studies (Macquarie School of Education)

- **[Our people](#)**
- **[Professional Experience](#)**

[Macquarie University Handbook 2020](#)

[NSW Education Standards Authority \(NESA\)](#)

Welcome from the Director

Welcome to the Macquarie University Teacher Education Program. The program includes discipline studies in Education, units covering subject content requirements for secondary teaching, curriculum studies, and a professional experience component. The sequence of units that you will study has been carefully designed to provide you with an excellent preparation for the secondary classroom. From time to time, there are also a variety of other activities on offer that will allow you to broaden your experience in teacher education if you would like to participate.

A particular feature of the Macquarie program is the focus on integrating theory and practice throughout your academic studies and the concurrent School Experience Program. These activities will afford you an excellent opportunity to develop a reflective stance on your classroom practice so that it is fully informed by the latest developments in educational theory and research-based evidence.

As you progress through your studies, I encourage you to view yourself not simply as a university student, but as a Teacher Education Student who is preparing to join this challenging and rewarding profession. So, take every opportunity to fully engage in your academic work and make the most of all the opportunities presented to you during your school placements.

I wish you everything of the best as you embark on this exciting professional and personal journey!

Dr Sue Ollerhead

Director, Secondary Teacher Education Program

HOW TO USE THIS GUIDE

The information contained in this guide is for students entering the following programs in 2020:

- Bachelor of Arts and Bachelor of Education (Secondary)
- Bachelor of Science and Bachelor of Education (Secondary)
- Bachelor of Commerce and Bachelor of Education (Secondary)

Read this *Guide* in conjunction with the current [University Handbook](#) to:

- be fully aware of the relevant Bachelor Degree Rules and about your course and units

In the following sections, patterns are provided to show the units which students **must complete** to satisfy the Bachelor degree and Bachelor of Education requirements. There are also units that students must take in order to satisfy prerequisites or corequisites for required units. This information can also be found in the [University Handbook](#).

It is important for all students to refer to information in both the [University Handbook](#) and this TEP Guide when planning their studies.

Information in this guide is accurate at the time of publication.

Academic Advice

While care is always taken in the provision of academic advice it is ultimately the student's responsibility to see that their program satisfies both the Bachelor Degree Rules and the NESA requirements.

Students are expected to have consulted this Student Guide (also known as the TEP Guide) and the University Handbook before seeking advice.

Full information regarding academic and course advisers is available on: <https://students.mq.edu.au/support/study/academic-advisers>

Students in the Macquarie School of Education shall submit their requests via ask.mq.edu.au.

IMPORTANT NOTE: Students are advised to familiarise themselves with the [NESA requirements](#) for future teachers. It is the student's ultimate responsibility to understand and meet these requirements.

Credit Overload

If you wish to enrol in more than the standard number of credit points ([credit overload](#)) for a study period, you need academic approval. You must submit a [Credit Overload form](#) which will be forwarded to the Macquarie School of Education for consideration.

Please note that approval is not automatic and will depend upon your academic progress and reasons for the excess load.

SECTION 1

Teacher Education at Macquarie

1.1 The 5Rs Framework – attributes and capabilities for success

Teaching is a complex pursuit with competing demands, increasingly diverse student groups, high accountability, as well as new requirements and evidence being adopted regularly. Therefore, success in the teaching profession requires important attributes and capabilities.

At Macquarie University we aim to graduate teachers who not only have relevant discipline knowledge and teaching know-how, but who also understand and strive for those capabilities that will make teaching a sustaining career for years to come. Embedded in all our teaching courses is the **Macquarie 5R's framework** which helps develop our Teacher Education Students to be:

1. **R**esilient
2. **R**eflexive in their teaching practice
3. **R**esponsive to children, colleagues, parents, professionals and communities
4. **R**eady to learn, and
5. **R**esearch engaged

We believe that our 5Rs framework, when consciously adopted and continuously developed, leads to high quality outcomes for both teachers and students.

We make a conscious effort to equip you, our Teacher Education Students, with the tools you need to thrive so you can inspire our great minds of tomorrow.

1.2 NESA requirements: Academic standards

1.2.1 Literacy and Numeracy test for Initial Teacher Education Students (LANTITE)

In order to be accredited as a teacher in Australian schools, Teacher Education Students are required to undertake a *Literacy and Numeracy Test for Initial Teacher Education Students* (the test).

In New South Wales, Teacher Education Students (TES) must meet the standards of the test prior to commencing their final professional experience placement.

At Macquarie we require our TES to have sat both LANTITE tests and that their results indicate they successfully met the standard in both literacy and numeracy before being eligible to enrol in *EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School*. It is strongly recommended that students complete **both tests no later than the end of the second year** of your course to ensure you meet these requirements.. We recommend undertaking these tests early in your candidature, preferably by the end of the first year of your studies.

Students who do not meet the standard for literacy or numeracy on the first attempt will have two further opportunities to sit the test/s. Further information is available at <https://teacheredtest.acer.edu.au/results/re-sit>

All information regarding LANTITE is available on [EDSTCOMM](#).

Information about the test and how to register is available on the Australian Council for Educational Research ([ACER](#)) website

1.2.2 The Teaching Performance Assessment (TPA)

To be accredited as a teacher in Australian schools, TES are required to undertake and meet the minimum standard for a Teaching Performance Assessment (TPA). The TPA is completed in the final

professional experience unit, **EDST4020** Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms. In completing the TPA, TES must provide evidence of their proficiency in lesson planning, classroom teaching, assessment of student learning, and critical reflection on their classroom practice. All information regarding this assessment is available on [EDSTCOMM](#).

1.3 Workload and Planning

A 10 credit point unit requires a *minimum* study time commitment of 9 hours per week across all unit activities and requirements. This is typically a combination of face to face and independent work.

To complete your course in the minimum time you must complete 40 credit points per session if following a standard Session 1/Session 2 pattern of study.

1.4 Undergraduate Programs of Study

Macquarie University offers the following desirable double degrees leading to accreditation as secondary school teachers:

- Bachelor of Arts and Bachelor of Education (Secondary)
- Bachelor of Science and Bachelor of Education (Secondary)
- Bachelor of Commerce and Bachelor of Education (Secondary)

TES must complete 16 units in the core zone of the relevant Bachelor Degree (BA or BSc or BComm) and 16 units in the core zone of the Bachelor of Education (Secondary) which include units in educational theory, pedagogy, methodology and professional practice.

These programs can be completed within four years of full-time study. The option of part-time study is available.

1.4.1 Subject content requirements

In order to be accredited as a secondary school teacher in NSW, graduates must satisfy the [NESA subject content requirements](#). These minimum requirements may vary based on the teaching subject. These requirements may also differ from the requirements of the Macquarie program of study (i.e., have specific requirements which may include units outside the major or minor). Thus, students are reminded that it is ultimately their responsibility to be familiar with both their degree requirements and the requirements of NESA.

SECTION 2

Bachelor of Arts and Bachelor of Education (Secondary)

2.1 First Teaching Subject

Secondary Teacher Education Students (TES) must select a first teaching subject. TES shall enrol in a major that aligns with the subject you wish to teach and satisfies [NESA subject content requirements](#). *Some subject areas have specific requirements which may include units outside the Major* (see section 1.4.1).

The table below outlines teaching subject areas and appropriate majors available in the Bachelor of Arts and Bachelor of Education (Secondary)

First Teaching Subject	Major
English	<ul style="list-style-type: none">English <p>Note: To meet NESA requirements for teaching English you must include at least three units of a strong core of textual studies including literature in your studies.</p>
Mathematics	<ul style="list-style-type: none">Mathematical Studies <p>Note: To meet NESA requirements for teaching Mathematics you must include algebra and calculus in your studies.</p>
Ancient History	<ul style="list-style-type: none">Ancient Egypt and Near EastAncient Greece, Rome and Late Antiquity <p>Note: To meet NESA requirements for teaching Ancient History you must include one unit of Modern History in your studies.</p>
Modern History	<ul style="list-style-type: none">Modern History <p>Note: To meet NESA requirements for teaching Modern History you must include one unit of Ancient History in your studies.</p>
Geography	<ul style="list-style-type: none">Geography <p>Note: To meet NESA requirements for teaching Geography you must include studies in both physical and human geography</p>
Languages	<ul style="list-style-type: none">Chinese StudiesCroatian StudiesFrench and Francophone StudiesGerman StudiesItalian StudiesJapanese StudiesModern Greek StudiesPolish StudiesRussian StudiesSpanish and Latin American Studies <p>Note: To meet NESA requirements for teaching a Language, you must include studies in the spoken and written language. Units counted towards the major must be above an introductory level of study.</p>

2.2 Second Teaching Subject

To improve employability, Secondary TES are encouraged to select a second teaching subject and enrol in a Minor that aligns with the subject you wish to teach and satisfies [NESA subject content requirements](#). The Minor shall consist of four units, with no more than two units at first year level.

The table below outlines the second teaching subjects and appropriate Minor study available in the Bachelor of Arts and Bachelor of Education (Secondary).

Second Teaching Subject	Minor
English	<ul style="list-style-type: none"> English <p>Note: To meet NESA requirements for teaching English you must include at least two units of a strong core of textual studies including literature in your studies.</p>
Mathematics	<ul style="list-style-type: none"> Mathematical Studies <p>Note: To meet NESA requirements for teaching Mathematics you must include algebra and calculus in your studies.</p>
Ancient History	<ul style="list-style-type: none"> Ancient Egypt and Near East Ancient Greece, Rome and Late Antiquity <p>Note: To meet NESA requirements for teaching Ancient History you must include one unit of Modern History in your studies.</p>
Modern History	<ul style="list-style-type: none"> Modern History <p>Note: To meet NESA requirements for teaching Modern History you must include one unit of Ancient History in your studies.</p>
Geography	<ul style="list-style-type: none"> Geography <p>Note: To meet NESA requirements for teaching Geography you must include studies in both physical and human geography</p>
Languages	<ul style="list-style-type: none"> Chinese Studies Croatian Studies French and Francophone Studies German Studies Italian Studies Japanese Studies Modern Greek Studies Polish Studies Russian Studies Spanish and Latin American Studies <p>Note: To meet NESA requirements for teaching a Language, you must include studies in the spoken and written language. Units counted towards the major must be above an introductory level of study.</p>
Society and Culture	<ul style="list-style-type: none"> Sociology <p>Note: To meet NESA requirements for teaching Society and Culture, you must complete a minor in social science including at least one unit of sociology. Macquarie TES will meet this requirement by selecting the Sociology Minor.</p>

2.3 BABEd Secondary - Content requirements and suggested patterns of study

This section sets out suggested patterns of study along with subject-specific recommendations and requirements for first and second teaching subjects. These patterns will help show you how a program can be completed in four years of full-time study.

These suggested patterns have been prepared according to the draft 2020 Timetable. The University timetable may change, and some units may not be offered every year or may be discontinued. Please check current requirements in the online [University Handbook](#) before enrolling.

2.3.1 English

EDTE4230 and *EDTE4240 English in the Secondary School I and II* are the required methodology units for accreditation to teach English as a first or second teaching subject in NSW Secondary Schools.

2.3.2 English as a first teaching subject

For English as a first teaching subject, TES will complete a Major in English which must include a strong core of textual studies including literature. When planning your studies, ensure you include a variety of literary forms and periods.

Students choosing English as a first teaching subject may wish to consider the following second teaching subject areas:

- | | |
|-------------------|-----------------------|
| ▪ Geography | ▪ Languages |
| ▪ Ancient History | ▪ Mathematics |
| ▪ Modern History | ▪ Society and Culture |

Students choosing English as a first teaching subject who do not wish to have a second teaching subject may consider (but are not restricted to) a Minor in:

- | | |
|--------------------|----------------------|
| ▪ Creative Writing | ▪ Indigenous Studies |
| ▪ Education | ▪ Linguistics |

2.3.3 English as a second teaching subject

For English as a second teaching subject, students must complete Minor in English, with at least two units at 2000 level or above and including at least two units of a strong core of textual studies including literature.

2.3.4 Suggested Pattern of Study – [Major in English](#)

Please check current requirements in the online [University Handbook](#) before enrolling.

Year 1 Session 1	cp	Year 1 Session 2	cp
EDST1000 Exploring Australian Education: Social and Historical Contexts	10	EDST1010 Learning and Development: An Introduction for Educators (setting visits)	10
ARTS1000 Humanities and the World	10	PHIL1037 Critical Thinking	10
ENGL1001 Literature: Medieval to Modern	10	ENGL1002 Literature: Modern and Contemporary	10
MINOR/Second Teaching Subject 1XXX	10	MINOR/Second Teaching Subject 1XXX	10
Year 2 Session 1		Year 2 Session 2	
EDST2000 The Practice of Teaching: Inclusive Education (10 days)	10	English Option Set 2XXX	10
EDUC2620 Education: The Learner	10	English Option Set 2XXX	10
English Option Set 2XXX	10	Arts 10cp Option Set	10
MINOR/Second Teaching Subject 2XXX	10	MINOR/Second Teaching Subject 2XXX	10
Year 3 Session 1		Year 3 Session 2	
EDST3140 Introduction to the Secondary Curriculum		EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
English Option Set 3XXX	10	EDTE4230 English in the Secondary School I	10
English Option Set 3XXX	10	Second subject methodology I or EDUC3XXX *	10
ARTS3500 Arts Capstone (Waiver required for S1 enrolment. Submit waiver request through ask.mq.edu.au)	10	English Option Set 3XXX	10
Year 4 Session 1		Year 4 Session 2	
EDST4010 Practice of Teaching: ICT in the Secondary School (30 days)	10	EDST3170 Indigenous Education	10
EDTE4240 English in the Secondary School II	10	EDST4180 Transitioning to the Secondary Teaching Profession	10
Second subject methodology II or BEd(Sec)BA Option Set	10	EDST4200 Using and interpreting educational data	10
EDST4120 Adolescent Development and Classroom Practice	10	EDST4020 Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

*Students with one teaching methodology may consider enrolling in EDUC3XXX in Session 1 and ARTS3500 in Session 2. Seek academic advice if required.

2.3.5 Mathematical Studies

EDTE4290 and EDTE4300 *Mathematics in the Secondary School I and II* are the required methodology units for accreditation to teach Mathematics as a first or second teaching subject in NSW Secondary Schools.

2.3.6 Mathematics as a first teaching subject

For Mathematics as a first teaching subject, TES will complete a Major in Mathematical Studies which must include algebra and calculus to meet NESA requirements for accreditation.

2.3.7 Mathematics as a second teaching subject

For Mathematics as a second teaching subject, students must complete a Minor in Mathematical Studies, with at least two units at 2000 level and must include algebra and calculus to meet NESA requirements for accreditation.

2.3.8 Suggested Pattern of Study – Major in Mathematical Studies

Please check current requirements in the online [University Handbook](#) before enrolling.

Students choosing Mathematics as a first teaching subject are not required to undertake a second teaching subject. Should you wish to add a second subject, please seek academic advice via ask.mq.edu.au

Year 1 Session 1	cp	Year 1 Session 2	cp
EDST1000 Exploring Australian Education: Social and Historical Contexts	10	EDST1010 Learning and Development: An Introduction for Educators (setting visits)	10
ARTS1000 Humanities and the World	10	PHIL1037 Critical Thinking	10
Mathematical Studies Option Set 1XXX	10	Mathematical Studies Option Set 1XXX	10
MINOR/Second Teaching Subject 1XXX	10	MINOR/Second Teaching Subject 1XXX	10
Year 2 Session 1		Year 2 Session 2	
EDST2000 The Practice of Teaching: Inclusive Education (10 days)	10	Mathematical Studies Option Set 2XXX	10
EDUC 2620 Education: The Learner	10	Mathematical Studies Option Set 2XXX	10
Mathematical Studies Option Set 2XXX	10	Arts 10cp Option Set	10
MINOR/Second Teaching Subject 2XXX	10	MINOR/Second Teaching Subject 2XXX	10
Year 3 Session 1		Year 3 Session 2	
EDST3140 Introduction to the Secondary Curriculum		EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
Mathematical Studies Option Set 3XXX	10	EDTE4290 Mathematics in the Secondary School I	10
Mathematical Studies Option Set 3XXX	10	Second subject methodology I or EDUC3XXX *	10
ARTS3500 Arts Capstone (Waiver required for S1 enrolment. Submit waiver request through ask.mq.edu.au)	10	Mathematical Studies Option Set 3XXX	10
Year 4 Session 1		Year 4 Session 2	
EDST4010 Practice of Teaching: ICT in the Secondary School (30 days)	10	EDST3170 Indigenous Education	10
EDTE4300 Mathematics in the Secondary School II	10	EDST4180 Transitioning to the Secondary Teaching Profession	10
Second subject methodology II or BEd(Sec)BA Option Set	10	EDST4200 Using and interpreting educational data	10
EDST4120 Adolescent Development and Classroom Practice	10	EDST4020 Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

*Students with one teaching methodology may consider enrolling in EDUC3XXX in Session 1 and ARTS3500 in Session 2. Seek academic advice if required.

2.3.9 Ancient History

EDTE4270 and EDTE4280 *History in the Secondary School I and II* are the required methodology units for accreditation to teach Ancient History as a first or second teaching subject in NSW Secondary Schools.

2.3.10 Ancient History as a first teaching subject

For Ancient History as a first teaching subject, TES will complete a Major in either

- Ancient Egypt and the Near East
- or
- Ancient Greece, Rome and Late Antiquity

To meet expectations of prospective employers, students with Ancient History as their first teaching subject are expected to have a second teaching area and may wish to consider the following second teaching subject areas:

- | | |
|------------------|-----------------------|
| ▪ English | ▪ Languages |
| ▪ Geography | ▪ Mathematics |
| ▪ Modern History | ▪ Society and Culture |

Given that History teachers are often required to teach Geography in Years 7-10 they are encouraged to include Geography as a second teaching subject.

Note: To meet NESA requirements for accreditation to teach Ancient History as a first teaching subject, TES must include one unit in medieval or modern history in their studies. **Select the appropriate unit from the 10cp option set in the Bachelor of Arts.**

2.3.11 Ancient History as a second teaching subject

For Ancient History as a second teaching subject, students must complete a Minor in Ancient History with at least two units at 2000 level or above.

- Ancient Egypt and the Near East
- or
- Ancient Greece, Rome and Late Antiquity

Note: To meet NESA requirements for accreditation to teach Ancient History as a second teaching subject, TES must include one unit in medieval or modern history in their studies. **Select the appropriate unit from the 10cp option set in the Bachelor of Arts.**

2.3.12 Suggested Pattern of Study – Major in Ancient Egypt and the Near East

Please check current requirements in the online [University Handbook](#) before enrolling.

FOLLOW FACULTY OF ARTS ADVICE ON CHANGES TO THIS MAJOR.

Year 1 Session 1	cp	Year 1 Session 2	cp
EDST1000 Exploring Australian Education: Social and Historical Contexts	10	EDST1010 Learning and Development: An Introduction for Educators (setting visits)	10
AHIS1240 Ancient Israel and the Near East	10	ARTS1000 Humanities and the World	10
AHIS1250 Ancient Egyptian Archaeology	10	PHIL1037 Critical Thinking	10
MINOR/Second Teaching Subject 1XXX	10	MINOR/Second Teaching Subject 1XXX	10
Year 2 Session 1		Year 2 Session 2	
EDST2000 The Practice of Teaching: Inclusive Education (10 days)	10	AHIS2000 OPTION SET	10
EDUC 2620 Education: The Learner	10	AHIS2000 Methods in Ancient History Seminar	10
AHIS2000 OPTION SET	10	MODERN HISTORY UNIT from Arts 10cp Option Set	10
MINOR/Second Teaching Subject 2XXX	10	MINOR/Second Teaching Subject 2XXX	10
Year 3 Session 1		Year 3 Session 2	
EDST3140 Introduction to the Secondary Curriculum	10	EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	10
AHIS3000 OPTION SET	10	EDTE4270 History in the Secondary School I	10
AHIS3000 OPTION SET	10	Second subject methodology I or EDUC3XXX	10
ARTS3500 Arts Capstone (Waiver required for S1 enrolment. Submit waiver request through ask.mq.edu.au)	10	AHIS3001 Material Culture and Museum Studies	10
Year 4 Session 1		Year 4 Session 2	
EDST4010 Practice of Teaching: ICT in the Secondary School (30 days)	10	EDST3170 Indigenous Education	10
EDTE4280 History in the Secondary School II	10	EDST4180 Transitioning to the Secondary Teaching Profession	10
Second subject methodology II or BEd(Sec)BA Option Set	10	EDST4200 Using and interpreting educational data	10
EDST4120 Adolescent Development and Classroom Practice	10	EDST4020 Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

2.3.13 Suggested Pattern of Study – Major in Ancient Greece, Rome and Late Antiquity

Please check current requirements in the online [University Handbook](#) before enrolling.

FOLLOW FACULTY OF ARTS ADVICE ON CHANGES TO THIS MAJOR.

Year 1 Session 1		cp	Year 1 Session 2		cp
EDST1000	Exploring Australian Education: Social and Historical Contexts	10	EDST1010	Learning and Development: An Introduction for Educators (setting visits)	10
ARTS1000	Humanities and the World	10	PHIL1037	Critical Thinking	10
AHIS1000 OPTION SET		10	AHIS1000 OPTION SET		10
MINOR/Second Teaching Subject 1XXX		10	MINOR/Second Teaching Subject 1XXX		10
Year 2 Session 1			Year 2 Session 2		
EDST2000	The Practice of Teaching: Inclusive Education (10 days)	10	AHIS2000	Methods in Ancient History Seminar	10
EDUC 2620	Education: The Learner	10	AHIS2000 OPTION SET		10
AHIS2000 OPTION SET		10	MODERN HISTORY UNIT from Arts 10cp Option Set		10
MINOR/Second Teaching Subject 2XXX		10	MINOR/Second Teaching Subject 2XXX		10
Year 3 Session 1			Year 3 Session 2		
EDST3140	Introduction to the Secondary Curriculum		EDST3010	Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
AHIS3000 OPTION SET		10	EDTE4270	History in the Secondary School I	10
AHIS3000 OPTION SET		10	Second subject methodology I or EDUC3XXX		10
ARTS3500	Arts Capstone (Waiver required for S1 enrolment. Submit waiver request through ask.mq.edu.au)	10	AHIS3001	Material Culture and Museum Studies	10
Year 4 Session 1			Year 4 Session 2		
EDST4010	Practice of Teaching: ICT in the Secondary School (30 days)	10	EDST3170	Indigenous Education	10
EDTE4280	History in the Secondary School II	10	EDST4180	Transitioning to the Secondary Teaching Profession	10
Second subject methodology II or BEd(Sec)BA Option Set		10	EDST4200	Using and interpreting educational data	10
EDST4120	Adolescent Development and Classroom Practice	10	EDST4020	Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

2.3.14 Modern History

EDTE4270 and *EDTE4280 History in the Secondary School I and II* are the required methodology units for accreditation to teach Modern History as a first or second teaching subject in NSW Secondary Schools.

2.3.15 Modern History as a first teaching subject

For Modern History as a first teaching subject, TES will complete a Major in Modern History.

To meet expectations of prospective employers, students with Modern History as their first teaching subject are expected to have a second teaching area and may wish to consider the following second teaching subject areas:

- English
- Languages
- Geography
- Mathematics
- Ancient History
- Society and Culture

Given that History teachers are often required to teach Geography in Years 7-10 they are encouraged to include Geography as a second teaching subject.

Note: To meet NESA requirements for accreditation to teach Modern History as a first teaching subject, TES must include one unit in Ancient History in their studies. **Select the appropriate unit from the 10cp option set in the Bachelor of Arts.**

2.3.16 Modern History as a second teaching subject

For Modern History as a second teaching subject, students must complete a Minor in Modern History with at least two units at 2000 level or above.

Note: To meet NESA requirements for accreditation to teach Modern History as a second teaching subject, TES must include one unit in Ancient History in their studies. **Select the appropriate unit from the 10cp option set in the Bachelor of Arts.**

2.3.17 Suggested Pattern of Study – Major in Modern History

Please check current requirements in the online [University Handbook](#) before enrolling.

FOLLOW FACULTY OF ARTS ADVICE ON CHANGES TO THIS MAJOR.

Year 1 Session 1	cp	Year 1 Session 2	cp
EDST1000 Exploring Australian Education: Social and Historical Contexts	10	EDST1010 Learning and Development: An Introduction for Educators (setting visits)	10
ARTS1000 Humanities and the World	10	PHIL1037 Critical Thinking	10
Modern History Option Set 1XXX	10	Modern History Studies Option Set 1XXX	10
MINOR/Second Teaching Subject 1XXX	10	MINOR/Second Teaching Subject 1XXX	10
Year 2 Session 1		Year 2 Session 2	
EDST2000 The Practice of Teaching: Inclusive Education (10 days)	10	Modern History Studies Option Set 2XXX	10
EDUC 2620 Education: The Learner	10	Modern History Studies Option Set 2XXX	10
Modern History Studies Option Set 2XXX	10	ANCIENT HISTORY UNIT from Arts 10cp Option Set	10
MINOR/Second Teaching Subject 2XXX	10	MINOR/Second Teaching Subject 2XXX	10
Year 3 Session 1		Year 3 Session 2	
EDST3140 Introduction to the Secondary Curriculum		EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
Modern History Option Set 3XXX	10	EDTE4270 History in the Secondary School I	10
Modern History Option Set 3XXX	10	Second subject methodology I or EDUC3XXX	10
ARTS3500 Arts Capstone (Waiver required for S1 enrolment. Submit waiver request through ask.mq.edu.au)	10	Modern History Option Set 3XXX	10
Year 4 Session 1		Year 4 Session 2	
EDST4010 Practice of Teaching: ICT in the Secondary School (30 days)	10	EDST3170 Indigenous Education	10
EDTE4280 History in the Secondary School II	10	EDST4180 Transitioning to the Secondary Teaching Profession	10
Second subject methodology II or BEd(Sec)BA Option Set	10	EDST4200 Using and interpreting educational data	10
EDST4120 Adolescent Development and Classroom Practice	10	EDST4020 Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

2.3.18 Geography

EDTE4250 and *EDTE4260 Geography in the Secondary School I and II* are the required methodology units for accreditation to teach Geography as a first or second teaching subject in NSW Secondary Schools.

2.3.19 Geography as a first teaching subject

For Geography as a first teaching subject, TES will complete a Major in Geography.

Note: To meet NESA requirements for teaching Geography as a first teaching subject you must successfully complete units in both physical and human geography.

To meet expectations of prospective employers, students with Geography as their first teaching subject are expected to have a second teaching area and may wish to consider the following second teaching subject areas:

- | | |
|-------------------|-----------------------|
| ▪ English | ▪ Languages |
| ▪ Ancient History | ▪ Mathematics |
| ▪ Modern History | ▪ Society and Culture |

2.3.20 Geography as a second teaching subject

For Geography as a second teaching subject, students must complete a Minor in Geography with at least two units at 2000 level or above.

Note: To meet NESA requirements for teaching Geography as a second teaching subject you must successfully complete units in both physical and human geography.

2.3.21 Suggested Pattern of Study – Major in Geography

Please check current requirements in the online [University Handbook](#) before enrolling.

FOLLOW FACULTY OF ARTS ADVICE ON ANY CHANGES TO THIS MAJOR.

Year 1 Session 1	cp	Year 1 Session 2	cp
EDST1000 Exploring Australian Education: Social and Historical Contexts	10	EDST1010 Learning and Development: An Introduction for Educators (setting visits)	10
ENVS1017 Biophysical Environments	10	ARTS1000 Humanities and the World	10
GEOP1010 Introducing Human Geography	10	PHIL1037 Critical Thinking	10
MINOR/Second Teaching Subject 1XXX	10	MINOR/Second Teaching Subject 1XXX	10
Year 2 Session 1		Year 2 Session 2	
EDST2000 The Practice of Teaching: Inclusive Education (10 days)	10	Geography Option Set 2XXX	10
EDUC 2620 Education: The Learner	10	Geography Option Set 2XXX	10
GEOP2010 Theory and Methods in Human Geography	10	Arts 10cp Option Set	10
MINOR/Second Teaching Subject 2XXX	10	MINOR/Second Teaching Subject 2XXX	10
Year 3 Session 1		Year 3 Session 2	
EDST3140 Introduction to the Secondary Curriculum	10	EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	10
GEOP3000 Environmental Justice in the Anthropocene	10	EDTE4250 Geography in the Secondary School I	10
Geography Option Set 3XXX	10	Second subject methodology I or EDUC3XXX	10
ARTS3500 Arts Capstone (Waiver required for S1 enrolment. Submit waiver request through ask.mq.edu.au)	10	Geography Option Set 3XXX	
Year 4 Session 1		Year 4 Session 2	
EDST4010 Practice of Teaching: ICT in the Secondary School (30 days)	10	EDST3170 Indigenous Education	10
EDTE4260 Geography in the Secondary School II	10	EDST4180 Transitioning to the Secondary Teaching Profession	10
Second subject methodology I or BEd(Sec)BA Option Set EDUC3XXX	10	EDST4200 Using and interpreting educational data	10
EDST4120 Adolescent Development and Classroom Practice	10	EDST4020 Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

2.3.22 Languages

EDTE4310 and *EDTE4320 Languages in the Secondary School I and II* are the required methodology units for accreditation to teach Languages as a first or second teaching subject in NSW Secondary Schools.

2.3.23 Language as a first teaching subject

For a Language as a first teaching subject, TES will complete a Major in a Language.

Note: To meet NESA requirements for teaching Languages, you must successfully complete units in the spoken and written language. Units counted towards the major must be above an introductory level of study.

To meet expectations of prospective employers, students with a Language as their first teaching subject are expected to have a second teaching area and may wish to consider the following second teaching subject areas:

- English
- Ancient History
- Modern History
- A second Language
- Mathematics
- Society and Culture

2.3.24 Language as a second teaching subject

For a Language as a second teaching subject, students must complete a Minor in a Language with at least two units at 2000 level or above.

Note: To meet NESA requirements for teaching Languages, you must successfully complete units in the spoken and written language. Units counted towards the major must be above an introductory level of study.

2.3.25 Suggested Pattern of Study – Major in a Language

Please check current requirements in the online [University Handbook](#) before enrolling.

FOLLOW FACULTY OF ARTS ADVICE ON ANY CHANGES TO THIS MAJOR.

Students planning to teach a Language in Secondary Schools must ensure they meet the NESA subject content requirements for Language teaching.

Major in [Chinese Studies](#)

Major in [Japanese Studies](#)

Major in [Croatian Studies](#)

Major in [Modern Greek Studies](#)

Major in [French and Francophone Studies](#)

Major in [Polish Studies](#)

Major in [German Studies](#)

Major in [Russian Studies](#)

Major in [Italian Studies](#)

Major in [Spanish and Latin American Studies](#)

Year 1 Session 1	cp	Year 1 Session 2	cp
EDST1000 Exploring Australian Education: Social and Historical Contexts	10	EDST1010 Learning and Development: An Introduction for Educators (setting visits)	10
ARTS1000 Humanities and the World	10	PHIL1037 Critical Thinking	10
Language Studies Option Set 1XXX	10	Language Studies Option Set 1XXX	10
MINOR/Second Teaching Subject 1XXX	10	MINOR/Second Teaching Subject 1XXX	10
Year 2 Session 1		Year 2 Session 2	
EDST2000 The Practice of Teaching: Inclusive Education (10 days)	10	Language Studies Option Set 2XXX	10
EDUC 2620 Education: The Learner	10	Language Studies Option Set 2XXX	10
Language Studies Option Set 2XXX	10	Arts 10cp Option Set	10
MINOR/Second Teaching Subject 2XXX	10	MINOR/Second Teaching Subject 2XXX	10
Year 3 Session 1		Year 3 Session 2	
EDST3140 Introduction to the Secondary Curriculum		EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
Language Studies Option Set 3XXX	10	EDTE4310 Languages in the Secondary School I	10
Language Studies Option Set 3XXX	10	Second subject methodology I or EDUC3XXX *	10
ARTS3500 Arts Capstone (Waiver required for S1 enrolment. Submit waiver request through ask.mq.edu.au)	10	Language Studies Option Set 3XXX	10
Year 4 Session 1		Year 4 Session 2	
EDST4010 Practice of Teaching: ICT in the Secondary School (30 days)	10	EDST3170 Indigenous Education	10
EDTE4320 Languages in the Secondary School II	10	EDST4180 Transitioning to the Secondary Teaching Profession	10
Second subject methodology II or BEd(Sec)BA Option Set	10	EDST4200 Using and interpreting educational data	10
EDST4120 Adolescent Development and Classroom Practice	10	EDST4020 Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

*Students with one teaching methodology may consider enrolling in EDUC3XXX in Session 1 and ARTS3500 in Session 2. Seek academic advice if required.

2.3.26 Society and Culture

EDTE4100 Social Sciences in the Secondary School 1 and *EDTE4400 Society and Culture in the Secondary School 1* are the required methodology units for accreditation to teach Society and Culture in NSW Secondary Schools.

2.3.27 Society and Culture – second teaching subject only

To meet NESA requirements for teaching Society and Culture as a second teaching subject, you must complete a minor in social science including at least one unit of sociology. Macquarie TES will meet this requirement by selecting the [Sociology](#) Minor and completing four units with no more than two units at 1000 level.

SECTION 3

Bachelor of Science and Bachelor of Education (Secondary)

Secondary Teacher Education Students in the Bachelor of Science and Bachelor of Education (Secondary) select studies from a select list of specialisations.

- Science students will qualify to teach two sciences, physics students will qualify to teach Physics and Mathematics.
- Mathematics students are only required to have one teaching subject.

The table below outlines the first teaching subjects and appropriate specialisations available in the Bachelor of Arts and Bachelor of Education (Secondary).

First Teaching Subjects	Specialisations
Biology and Chemistry	<ul style="list-style-type: none">▪ Studies in Biology and Chemistry▪ Studies in Chemistry and Biology
Earth and Environmental Science and Chemistry	<ul style="list-style-type: none">▪ Studies in Earth and Environmental Sciences and Chemistry▪ Studies in Chemistry and Earth and Environmental Sciences <p>Note: To meet NESA requirements for teaching Earth and Environmental Science as a first teaching subject you must include one unit of Biology in your studies.</p>
Earth and Environmental Science and Biology	<ul style="list-style-type: none">▪ Studies in Biology and Earth and Environmental Sciences▪ Studies in Earth and Environmental Sciences and Biology
Physics and Mathematics	<ul style="list-style-type: none">▪ Physics
Mathematics	<ul style="list-style-type: none">▪ Mathematics

3.1 Sciences and Mathematics

EDTE4330 and EDTE4340 Science in the Secondary School I and II are the required methodology units for accreditation to teach Science as a first or second teaching subject in NSW Secondary Schools.

EDTE4290 and EDTE4300 Mathematics in the Secondary School I and II are the required methodology units for accreditation to teach Mathematics in NSW Secondary Schools.

3.1.1 Biology and Chemistry as first teaching subjects

To teach Biology and Chemistry as first teaching subjects, TES will complete one of the following specialisations:

- Studies in Biology and Chemistry
 - In this specialisation you will study eight units in Biology and four units in Chemistry.
- Studies in Chemistry and Biology
 - In this specialisation you will study eight units in Chemistry and four units in Biology.

3.1.2 Suggested Pattern of Study – Studies in Biology and Chemistry

Please check current requirements in the online [University Handbook](#) before enrolling.

UNIT OFFERINGS FOR THIS SPECIALISATION HAVE CHANGED. STUDENTS RECEIVED ADVICE FROM THE SCIENCE FACULTY DURING THE 2021 CURRICULUM CHANGES. FOLLOW THEIR ADVICE REGARDING COMPLETING A MAJOR IN BIOLOGY AND A MINOR IN CHEMISTRY.

Year 1 Session 1	cp	Year 1 Session 2	cp
EDST1000 Exploring Australian Education: Social and Historical Contexts	10	EDST1010 Learning and Development: An Introduction for Educators	10
BIOL1310 Organisms to Ecosystems	10	BIOL1110 Genes to Organisms	10
CHEM1001 Foundations of Chemical and Biomolecular Sciences 1	10	CHEM1002 Foundations of Chemical and Biomolecular Sciences 2	10
BSc 1000 Level Option Set	10	BSc 1000 Level Option Set	10
Year 2 Session 1		Year 2 Session 2	
EDST2000 The Practice of Teaching: Inclusive Education (10 days)	10	EDUC 2620 Education: The Learner	10
EDST3140 Introduction to the Secondary Curriculum	10	BEd(Sec)BSc Option Set – EDUC3XXX	10
Biology 2000 Level Option Set	10	Biology 2000 Level Option Set	10
Chemistry 2000 Level Option Set	10	Chemistry 2000 Level Option Set	10
Year 3 Session 1		Year 3 Session 2	
Biology 3000 Level Option Set		EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
Biology 3000 Level Option Set	10	EDTE4330 Science in the Secondary School 1	10
BIOL3640 PACE Experience in Biological Sciences	10	Biology 3000 Level Option Set	10
FOSE3000 Making Science Work for You and Society (CAPSTONE)	10	Biology 3000 Level Option Set	10
Year 4 Session 1		Year 4 Session 2	
EDST4010 Practice of Teaching: ICT in the Secondary School (30 days)	10	EDST3170 Indigenous Education	10
EDTE4340 Science in the Secondary School II	10	EDST4180 Transitioning to the Secondary Teaching Profession	10
BEd(Sec)BSc Option Set – EDUC3XXX	10	EDST4200 Using and Interpreting Educational Data	10
EDST4120 Adolescent Development and Classroom Practice	10	EDST4020 Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

3.1.3 Suggested Pattern of Study – Studies in Chemistry and Biology

Please check current requirements in the online [University Handbook](#) before enrolling.

UNIT OFFERINGS FOR THIS SPECIALISATION HAVE CHANGED. STUDENTS RECEIVED ADVICE FROM THE SCIENCE FACULTY DURING THE 2021 CURRICULUM CHANGES. FOLLOW THEIR ADVICE REGARDING COMPLETING A MAJOR IN CHEMISTRY AND A MINOR IN BIOLOGY.

Year 1 Session 1	cp	Year 1 Session 2	cp
EDST1000 Exploring Australian Education: Social and Historical Contexts	10	EDST1010 Learning and Development: An Introduction for Educators	10
CHEM1001 Foundations of Chemical and Biomolecular Sciences 1	10	CHEM1002 Foundations of Chemical and Biomolecular Sciences 2	10
BIOL1310 Organisms to Ecosystems	10	BIOL1110 Genes to Organisms	10
BSc 1000 Level Option Set	10	BSc 1000 Level Option Set	10
Year 2 Session 1		Year 2 Session 2	
EDST2000 The Practice of Teaching: Inclusive Education (10 days)	10	EDUC 2620 Education: The Learner	10
EDST3140 Introduction to the Secondary Curriculum	10	BEd(Sec)BSc Option Set	10
Chemistry 2000 Level Option Set	10	Chemistry 2000 Level Option Set	10
Biology 2000 Level Option Set	10	Biology 2000 Level Option Set	10
Year 3 Session 1		Year 3 Session 2 * FIVE UNITS	
Chemistry 3000 Level Option Set		EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
Chemistry 3000 Level Option Set	10	EDTE4330 Science in the Secondary School 1	10
FOSE3000 Making Science Work for You and Society (CAPSTONE)	10	Chemistry 3000 Level Option Set	10
Student seeking to enrol in a fourth subject may consider enrolling in EDST3170 Indigenous Education	10	Chemistry 3000 Level Option Set	10
		MOLS3003 – Molecular Sciences Project (PACE)	10
Year 4 Session 1		Year 4 Session 2	
EDST4010 Practice of Teaching: ICT in the Secondary School (30 days)	10	EDST3170 Indigenous Education	10
EDTE4340 Science in the Secondary School II	10	EDST4180 Transitioning to the Secondary Teaching Profession	10
BEd(Sec)BSc Option Set	10	EDST4200 Using and Interpreting Educational Data	10
EDST4120 Adolescent Development and Classroom Practice	10	EDST4020 Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

* Students who wish to complete this degree in four years may follow this pattern of study. Application for a [credit overload](#) will be necessary in Year 3, Session 2.

Seek advice if you would prefer an alternate pattern.

3.1.4 Earth and Environmental Science and Chemistry as first teaching subjects

To teach Earth and Environmental Science and Chemistry as first teaching subjects, TES will complete one of the following specialisations:

- Studies in Earth and Environmental Sciences and Chemistry
 - In this specialisation you will study eight units in Earth and Environmental Sciences and four units in Chemistry.
- Studies in Chemistry and Earth and Environmental Sciences
 - In this specialisation you will study eight units in Chemistry and four units in Earth and Environmental Sciences.

3.1.5 Suggested Pattern of Study – Studies in Earth and Environmental Sciences and Chemistry

Please check current requirements in the online [University Handbook](#) before enrolling.

UNIT OFFERINGS FOR THIS SPECIALISATION HAVE CHANGED. STUDENTS RECEIVED ADVICE FROM THE SCIENCE FACULTY DURING THE 2021 CURRICULUM CHANGES. FOLLOW THEIR ADVICE REGARDING COMPLETING A MAJOR IN EARTH AND ENVIRONMENTAL SCIENCES AND A MINOR IN CHEMISTRY.

Year 1 Session 1	cp	Year 1 Session 2	cp
EDST1000 Exploring Australian Education: Social and Historical Contexts	10	EDST1010 Learning and Development: An Introduction for Educators	10
ENVS1017 The Living Environment	10	GEOS1120 Dynamic Earth	10
CHEM1001 Foundations of Chemical and Biomolecular Sciences 1	10	CHEM1002 Foundations of Chemical and Biomolecular Sciences 2	10
BSc 1000 Level Option Set	10	BSc 1000 Level Option Set	10
Year 2 Session 1		Year 2 Session 2	
EDST2000 The Practice of Teaching: Inclusive Education (10 days)	10	EDUC 2620 Education: The Learner	10
EDST3140 Introduction to the Secondary Curriculum	10	BEd(Sec)BSc Option Set BIOL1110 Genes to Organisms (see Note)	10
Earth and Environmental Sciences 2000 Level Option Set	10	Earth and Environmental Sciences 2000 Level Option Set	10
Chemistry 2000 Level Option Set	10	Chemistry 2000 Level Option Set	10
Year 3 Session 1		Year 3 Session 2	
Earth and Environmental Sciences 3000 Level Option Set		EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
Earth and Environmental Sciences 3000 Level Option Set	10	EDTE4330 Science in the Secondary School 1	10
EESC3000 PACE in Earth and Environmental Sciences	10	Earth and Environmental Sciences 3000 Level Option Set	10
FOSE3000 Making Science Work for You and Society (CAPSTONE)	10	Earth and Environmental Sciences 3000 Level Option Set	10
Year 4 Session 1		Year 4 Session 2	
EDST4010 Practice of Teaching: ICT in the Secondary School (30 days)	10	EDST3170 Indigenous Education	10
EDTE4340 Science in the Secondary School II	10	EDST4180 Transitioning to the Secondary Teaching Profession	10
BEd(Sec)BSc Option Set	10	EDST4200 Using and Interpreting Educational Data	10
EDST4120 Adolescent Development and Classroom Practice	10	EDST4020 Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

Note: To meet NESA requirements for teaching Earth and Environmental Science as a first teaching subject **you must include one unit of Biology** in your studies. BIOL1110 Genes to Organisms is available in the BEd(Sec)BSc Option Set.

3.1.6 Suggested Pattern of Study – Studies in Chemistry and Earth and Environmental Sciences

Please check current requirements in the online [University Handbook](#) before enrolling.

UNIT OFFERINGS FOR THIS SPECIALISATION HAVE CHANGED. STUDENTS RECEIVED ADVICE FROM THE SCIENCE FACULTY DURING THE 2021 CURRICULM CHANGES. FOLLOW THEIR ADVICE REGARDING COMPLETING A MAJOR IN CHEMISTRY A MINOR IN EARTH AND ENVIRONMENTAL SCIENCES.

Year 1 Session 1	cp	Year 1 Session 2	cp
EDST1000 Exploring Australian Education: Social and Historical Contexts	10	EDST1010 Learning and Development: An Introduction for Educators	10
CHEM1001 Foundations of Chemical and Biomolecular Sciences 1	10	CHEM1002 Foundations of Chemical and Biomolecular Sciences 2	10
ENVS1017 The Living Environment	10	GEOS1120 Dynamic Earth	10
BSc 1000 Level Option Set	10	BSc 1000 Level Option Set	10
Year 2 Session 1		Year 2 Session 2	
EDST2000 The Practice of Teaching: Inclusive Education (10 days)	10	EDUC 2620 Education: The Learner	10
EDST3140 Introduction to the Secondary Curriculum	10	BEd(Sec)BSc Option Set BIOL1110 Genes to Organisms (see Note)	10
Chemistry 2000 Level Option Set	10	Chemistry 2000 Level Option Set	10
Earth and Environmental Sciences 2000 Level Option Set	10	Earth and Environmental Sciences 2000 Level Option Set	10
Year 3 Session 1		Year 3 Session 2	
Chemistry 3000 Level Option Set	10	EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
Chemistry 3000 Level Option Set	10	EDTE4330 Science in the Secondary School 1	10
FOSE3000 Making Science Work for You and Society (CAPSTONE)	10	Chemistry 3000 Level Option Set	10
STUDENTS SEEKING TO ENROL IN A FOURTH SUBJECT MAY CONSIDER ENROLLING IN EDST3170 INDIGENOUS EDUCATION	10	Chemistry 3000 Level Option Set	10
		MOLS3003 Molecular Sciences Project (PACE)	10
Year 4 Session 1		Year 4 Session 2	
EDST4010 Practice of Teaching: ICT in the Secondary School (30 days)	10	EDST3170 Indigenous Education	10
EDTE4340 Science in the Secondary School II	10	EDST4180 Transitioning to the Secondary Teaching Profession	10
BEd(Sec)BSc Option Set	10	EDST4200 Using and Interpreting Educational Data	10
EDST4120 Adolescent Development and Classroom Practice	10	EDST4020 Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

Note: To meet NESA requirements for teaching Earth and Environmental Science as a first teaching subject **you must include one unit of Biology** in your studies. BIOL1110 Genes to Organisms is available in the BEd(Sec)BSc Option Set.

3.1.7 Earth and Environmental Science and Biology as first teaching subjects

To teach Earth and Environmental Science and Biology as first teaching subjects, TES will complete one of the following specialisations:

- Studies in Earth and Environmental Sciences and Biology
 - In this specialisation you will study eight units in Earth and Environmental Sciences and four units in Biology.
- Studies in Biology and Earth and Environmental Sciences
 - In this specialisation you will study eight units in Biology and four units in Earth and Environmental Sciences.

3.1.8 Suggested Pattern of Study – Studies in Earth and Environmental Sciences and Biology

Please check current requirements in the online [University Handbook](#) before enrolling.

UNIT OFFERINGS FOR THIS SPECIALISATION HAVE CHANGED. STUDENTS RECEIVED ADVICE FROM THE SCIENCE FACULTY DURING THE 2021 CURRICULUM CHANGES. FOLLOW THEIR ADVICE REGARDING COMPLETING A MAJOR IN EARTH AND ENVIRONMENTAL SCIENCES AND A MINOR IN BIOLOGY..

Year 1 Session 1	cp	Year 1 Session 2	cp
EDST1000 Exploring Australian Education: Social and Historical Contexts	10	EDST1010 Learning and Development: An Introduction for Educators	10
ENVS1017 The Living Environment	10	GEOS1120 Dynamic Earth	10
BIOL1310 Organisms to Ecosystems	10	BIOL1110 Genes to Organisms	10
BSc 1000 Level Option Set	10	BSc 1000 Level Option Set	10
Year 2 Session 1		Year 2 Session 2	
EDST2000 The Practice of Teaching: Inclusive Education (10 days)	10	EDUC 2620 Education: The Learner	10
EDST3140 Introduction to the Secondary Curriculum	10	BEd(Sec)BSc Option Set	10
Earth and Environmental Sciences 2000 Level Option Set	10	Earth and Environmental Sciences 2000 Level Option Set	10
Biology 2000 Level Option Set	10	Biology 2000 Level Option Set	10
Year 3 Session 1		Year 3 Session 2	
Earth and Environmental Sciences 3000 Level Option Set		EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
Earth and Environmental Sciences 3000 Level Option Set	10	EDTE4330 Science in the Secondary School 1	10
EESC3000 PACE in Earth and Environmental Sciences	10	Earth and Environmental Sciences 3000 Level Option Set	10
FOSE3000 Making Science Work for You and Society (CAPSTONE)	10	Earth and Environmental Sciences 3000 Level Option Set	10
Year 4 Session 1		Year 4 Session 2	
EDST4010 Practice of Teaching: ICT in the Secondary School (30 days)	10	EDST3170 Indigenous Education	10
EDTE4340 Science in the Secondary School II	10	EDST4180 Transitioning to the Secondary Teaching Profession	10
BEd(Sec)BSc Option Set	10	EDST4200 Using and Interpreting Educational Data	10
EDST4120 Adolescent Development and Classroom Practice	10	EDST4020 Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

3.1.9 Suggested Pattern of Study – Studies in Biology and Earth and Environmental Sciences

Please check current requirements in the online [University Handbook](#) before enrolling.

UNIT OFFERINGS FOR THIS SPECIALISATION HAVE CHANGED. STUDENTS RECEIVED ADVICE FROM THE SCIENCE FACULTY DURING THE 2021 CURRICULUM CHANGES. FOLLOW THEIR ADVICE REGARDING COMPLETING A MAJOR IN BIOLOGY AND A MINOR IN EARTH AND ENVIRONMENTAL SCIENCES .

Year 1 Session 1	cp	Year 1 Session 2	cp
EDST1000 Exploring Australian Education: Social and Historical Contexts	10	EDST1010 Learning and Development: An Introduction for Educators	10
BIOL1310 Organisms to Ecosystems	10	BIOL1110 Genes to Organisms	10
ENVS1017 The Living Environment	10	GEOS1120 Dynamic Earth	10
BSc 1000 Level Option Set	10	BSc 1000 Level Option Set	10
Year 2 Session 1		Year 2 Session 2	
EDST2000 The Practice of Teaching: Inclusive Education (10 days)	10	EDUC 2620 Education: The Learner	10
EDST3140 Introduction to the Secondary Curriculum	10	BEd(Sec)BSc Option Set	10
Biology 2000 Level Option Set	10	Biology 2000 Level Option Set	10
Earth and Environmental Sciences 2000 Level Option Set	10	Earth and Environmental Sciences 2000 Level Option Set	10
Year 3 Session 1		Year 3 Session 2	
Biology 3000 Level Option Set		EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
Biology 3000 Level Option Set	10	EDTE4330 Science in the Secondary School 1	10
BIOL3640 PACE Experience in Biological Sciences S1 only	10	Biology 3000 Level Option Set	10
FOSE3000 Making Science Work for You and Society (CAPSTONE)	10	Biology 3000 Level Option Set	10
Year 4 Session 1		Year 4 Session 2	
EDST4010 Practice of Teaching: ICT in the Secondary School (30 days)	10	EDST3170 Indigenous Education	10
EDTE4340 Science in the Secondary School II	10	EDST4180 Transitioning to the Secondary Teaching Profession	10
BEd(Sec)BSc Option Set	10	EDST4200 Using and Interpreting Educational Data	10
EDST4120 Adolescent Development and Classroom Practice	10	EDST4020 Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

3.1.10 Physics and Mathematics as first teaching subjects

To teach Physics and Mathematics as first teaching subjects, TES will complete the following specialisation.

- Physics
 - In this specialisation you will study eight units in Physics and four units in Mathematics.

3.1.11 Suggested Pattern of Study – Physics

Please check current requirements in the online [University Handbook](#) before enrolling.

UNIT OFFERINGS FOR THIS SPECIALISATION HAVE CHANGED. STUDENTS RECEIVED ADVICE FROM THE SCIENCE FACULTY DURING THE 2021 CURRICULUM CHANGES. FOLLOW THEIR ADVICE REGARDING COMPLETING A MAJOR IN BIOLOGY AND A MINOR IN EARTH AND ENVIRONMENTAL SCIENCES .

Year 1 Session 1	cp	Year 1 Session 2	cp
EDST1000 Exploring Australian Education: Social and Historical Contexts	10	EDST1010 Learning and Development: An Introduction for Educators	10
Physics Specialisation 1000 Level Option Set	10	Physics Specialisation 1000 Level Option Set	10
Physics Specialisation 1000 Level Option Set	10cp	Physics Specialisation 1000 Level Option Set	10
BSc 1000 Level Option Set	10	BSc 1000 Level Option Set	10
Year 2 Session 1		Year 2 Session 2	
EDST2000 The Practice of Teaching: Inclusive Education (10 days)	10	EDUC 2620 Education: The Learner	10
EDST3140 Introduction to the Secondary Curriculum	10	EDTE4290 Mathematics in the Secondary School I	10
PHYS2010 Classical and Quantum Oscillations and Waves	10	PHYS2020 Electromagnetism and Thermodynamics	10
MATH2010 Mathematical Modelling IIA	10	Physics Specialisation 2000 Level Option Set	10
Year 3 Session 1		Year 3 Session 2	
PHYS3010 Classical Electrodynamics ESSENTIAL		EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
Physics Specialisation 3000 Level Option Set	10	EDTE4330 Science in the Secondary School 1	10
PHYS3180 Condensed Matter and Statistical Physics	10	Physics Specialisation 3000 Level Option Set	10
FOSE3000 Making Science Work for You and Society (CAPSTONE)	10	Physics Specialisation 3000 Level Option Set	10
Year 4 Session 1		Year 4 Session 2	
EDST4010 Practice of Teaching: ICT in the Secondary School (30 days)	10	EDST3170 Indigenous Education	10
EDTE4340 Science in the Secondary School II	10	EDST4180 Transitioning to the Secondary Teaching Profession	10
EDTE4300 Mathematics in the Secondary School II	10	EDST4200 Using and Interpreting Educational Data	10
EDST4120 Adolescent Development and Classroom Practice	10	EDST4020 Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

3.1.12 Mathematics as a first teaching subject

To teach Mathematics as a first teaching subject, TES will complete the Mathematics specialisation.

3.1.13 Suggested Pattern of Study – Mathematics

Please check current requirements in the online [University Handbook](#) before enrolling.

UNIT OFFERINGS FOR THIS SPECIALISATION HAVE CHANGED. STUDENTS RECEIVED ADVICE FROM THE SCIENCE FACULTY DURING THE 2021 CURRICULUM CHANGES. FOLLOW THEIR ADVICE REGARDING COMPLETING YOUR MATHEMATICS STUDIES..

Year 1 Session 1	cp	Year 1 Session 2	cp
EDST1000 Exploring Australian Education: Social and Historical Contexts	10	EDST1010 Learning and Development: An Introduction for Educators	10
Mathematics Specialisation Option Set 1XXX	10	Mathematics Specialisation Option Set 1XXX	10
Mathematics Specialisation Option Set 1XXX	10cp	Mathematics Specialisation Option Set 1XXX	10
BSc 1000 Level Option Set	10	BSc 1000 Level Option Set	10
Year 2 Session 1		Year 2 Session 2	
EDST2000 The Practice of Teaching: Inclusive Education (10 days)	10	EDUC 2620 Education: The Learner	10
MATH2010 Mathematical Modelling IIA	10	MATH2020 Mathematical Modelling IIB	10
EDST3140 Introduction to the Secondary Curriculum	10	BEd(Sec)BSc Option Set	10
Mathematics Specialisation 2000 Level Option Set	10	Mathematics Specialisation 2000 Level Option Set	10
Year 3 Session 1		Year 3 Session 2	
Mathematics 3000 Level Option Set	10	EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
Mathematics 3000 Level Option Set	10	EDTE4290 Mathematics in the Secondary School I	10
FOSE3000 Making Science Work for You and Society (CAPSTONE)	10	Mathematics 3000 Level Option Set	10
STUDENTS SEEKING TO ENROL IN A FOURTH SUBJECT MAY CONSIDER ENROLLING IN EDST3170 INDIGENOUS EDUCATION	10	Mathematics 3000 Level Option Set	10
		MATH3599 – Professional Practice for Mathematical Sciences	10
Year 4 Session 1		Year 4 Session 2	
EDST4010 Practice of Teaching: ICT in the Secondary School (30 days)	10	EDST3170 Indigenous Education	10
EDTE4300 Mathematics in the Secondary School II	10	EDST4180 Transitioning to the Secondary Teaching Profession	10
BEd(Sec)BSc Option Set	10	EDST4200 Using and Interpreting Educational Data	10
EDST4120 Adolescent Development and Classroom Practice	10	EDST4020 Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

- * Students who wish to complete this degree in four years may follow this pattern of study. Application for a [credit overload](#) will be necessary in Year 3, Session 2.

Seek advice if you would prefer an alternate pattern.

SECTION 4

Bachelor of Commerce and Bachelor of Education (Secondary)

Secondary Teacher Education Students shall enrol in a Major that aligns to the subject you wish to teach and satisfies [NESA subject content requirements](#). *Some subject areas have specific requirements which may include units outside the Major* (see section 1.4.1).

The table below outlines teaching subject areas and appropriate Majors available in the Bachelor of Commerce and Bachelor of Education (Secondary)

Teaching Subjects	Major
Economics (first teaching subject) Business Studies (second teaching subject)	<ul style="list-style-type: none"> ▪ Economics <p>Note: NESA requirements for teaching Economics as a first teaching subject and business studies as a second teaching subject are met by completion of</p> <ul style="list-style-type: none"> ▪ ACCG1000 Accounting in Society - MGMT1002 Principles of Management <p>and</p> <ul style="list-style-type: none"> - the Economics Major
Business Studies (first teaching subject)	<ul style="list-style-type: none"> ▪ Finance ▪ Human Resource Management ▪ International Business <p>Note: NESA requirements for teaching Business Studies as a first teaching subject are met by completion of</p> <ul style="list-style-type: none"> ▪ ACCG1000 Accounting in Society - MGMT1002 Principles of Management <p>and a Major in</p> <ul style="list-style-type: none"> - Finance <i>OR</i> - Human Resource Management <i>OR</i> - International Business

4.1 Economics and Business Studies

EDTE4210 and EDTE4220 Economics and Business Studies in the Secondary School I and II are the required methodology units for accreditation to teach Economics and Business studies as a first or second teaching subject in NSW Secondary Schools.

4.1.1 Suggested Pattern of Study – Economics

First teaching subject: Economics

Second Teaching subject: Business Studies

Please check current requirements in the online [University Handbook](#) before enrolling.

FOLLOW THE ADVICE FROM MACQUARIE BUSINESS SCHOOL ON ANY CHANGES TO THIS MAJOR.

Year 1 Session 1	cp	Year 1 Session 2	cp
EDST1000 Exploring Australian Education: Social and Historical Contexts	10	EDST1010 Learning and Development: An Introduction for Educators	10
ACCG1000 Accounting in Society	10	ACST1001 Finance 1A	10
ECON1020 Principles of Economics 1	10	MGMT1002 Principles of Management	10
STAT1250 Business Statistics	10	ECON1021 Principles of Economics	10
Year 2 Session 1		Year 2 Session 2	
EDST2000 The Practice of Teaching: Inclusive Education (10 days)	10	ECON2041 Introductory Econometrics	10
EDUC 2620 Education: The Learner	10	Economics 3000 Level Option Set	10
ECON2004 Macroeconomic Analysis and Applications	10	MKTG1001 Marketing Fundamentals	10
ECON2003 Microeconomic Analysis and Applications	10	EDST3170 Indigenous Education	10
Year 3 Session 1		Year 3 Session 2	
EDST3140 Introduction to the Secondary Curriculum		EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
Economics 3000 Level Option Set	10	EDTE4210 Economics and Business Studies in the Secondary School I	10
ECON3081 Current Issues in Economics (PACE)	10	ECON3000 Public Economics	10
MQBS3010 Agility and Excellence in Business (CAPSTONE)	10	Economics 3000 Level Option Set	10
Year 4 Session 1		Year 4 Session 2	
EDST4010 Practice of Teaching: ICT in the Secondary School (30 days)	10	BEd(Sec)BComm Option Set TBA	10
EDST4220 Economics and Business Studies in the Secondary School II	10	EDST4180 Transitioning to the Secondary Teaching Profession	10
BEd(Sec)BComm Option Set TBA	10	EDST4200 Using and Interpreting Educational Data	10
EDST4120 Adolescent Development and Classroom Practice	10	EDST4020 Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

4.1.2 Suggested Pattern of Study – Finance

First teaching subject: Business Studies

Please check current requirements in the online [University Handbook](#) before enrolling.

FOLLOW THE ADVICE FROM MACQUARIE BUSINESS SCHOOL ON ANY CHANGES TO THIS MAJOR.

Year 1 Session 1		cp	Year 1 Session 2		cp
EDST1000	Exploring Australian Education: Social and Historical Contexts	10	EDST1010	Learning and Development: An Introduction for Educators	10
ACCG1000	Accounting in Society	10	ACST1001	Finance 1A	10
ECON1020	Principles of Economics 1	10	MGMT1002	Principles of Management	10
STAT1250	Business Statistics	10	AFIN1002	Finance 1B	10
Year 2 Session 1			Year 2 Session 2		
EDST2000	The Practice of Teaching: Inclusive Education (10 days)	10	ACST2001	Financial Modelling	10
EDUC 2620	Education: The Learner	10	AFIN3053	Advanced Corporate Finance	10
AFIN2050	Investments	10	Finance 2000 Level Option Set		10
MKTG1001	Marketing Fundamentals	10	EDST3170	Indigenous Education	10
Year 3 Session 1			Year 3 Session 2		
EDST3140	Introduction to the Secondary Curriculum		EDST3010	Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
ACCG3050	Financial Statement Analysis	10	EDTE4210	Economics and Business Studies in the Secondary School I	10
AFIN3012	Issues in Corporate Finance (PACE)	10	Finance 3000 Level Option Set		10
AFIN3052	Applied Portfolio Management	10	MQBS3010	Agility and Excellence in Business (CAPSTONE)	10
Year 4 Session 1			Year 4 Session 2		
EDST4010	Practice of Teaching: ICT in the Secondary School (30 days)	10	BEd(Sec)BComm Option Set TBA		10
EDTE4220	Economics and Business Studies in the Secondary School II	10	EDST4180	Transitioning to the Secondary Teaching Profession	10
BEd(Sec)BComm Option Set TBA		10	EDST4200	Using and Interpreting Educational Data	10
EDST4120	Adolescent Development and Classroom Practice	10	EDST4020	Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

4.1.3 Suggested Pattern of Study – Human Resource Management

First teaching subject: Business Studies

Please check current requirements in the online [University Handbook](#) before enrolling.

FOLLOW THE ADVICE FROM MACQUARIE BUSINESS SCHOOL ON ANY CHANGES TO THIS MAJOR.

Year 1 Session 1		cp	Year 1 Session 2		cp
EDST1000	Exploring Australian Education: Social and Historical Contexts	10	EDST1010	Learning and Development: An Introduction for Educators	10
ACCG1000	Accounting in Society	10	ACST1001	Finance 1A	10
ECON1020	Principles of Economics 1	10	MGMT1002	Principles of Management	10
STAT1250	Business Statistics	10	MGMT1007	Introduction to Human Resource Management	10
Year 2 Session 1			Year 2 Session 2		
EDST2000	The Practice of Teaching: Inclusive Education (10 days)	10	MGMT2022	Foundations in Human Resources Law	10
EDUC 2620	Education: The Learner	10	MKTG1001	Marketing Fundamentals	10
MGMT2040	Workplace Relations	10	MGMT3007	International Human Resource Management	10
MGMT2050	Staffing Organisations	10	EDST3170	Indigenous Education	10
Year 3 Session 1			Year 3 Session 2		
EDST3140	Introduction to the Secondary Curriculum		EDST3010	Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
MGMT3028	Strategic Human Resource Management	10	EDTE4210	Economics and Business Studies in the Secondary School I	10
MGMT3002	HRM Project (PACE)	10	MGMT3015	Managing Performance and Rewards	10
MQBS3010	Agility and Excellence in Business (CAPSTONE) *	10	Human Resource Management 3000 Level Option Set		10
Year 4 Session 1			Year 4 Session 2		
EDST4010	Practice of Teaching: ICT in the Secondary School (30 days)	10	BEd(Sec)BComm Option Set TBA		10
EDTE4220	Economics and Business Studies in the Secondary School II	10	EDST4180	Transitioning to the Secondary Teaching Profession	10
BEd(Sec)BComm Option Set TBA		10	EDST4200	Using and Interpreting Educational Data	10
EDST4120	Adolescent Development and Classroom Practice	10	EDST4020	Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

* Variations in individual full-time enrolment patterns may allow students to enrol in MQBS3010 – *Agility and Excellence in Business in Y3 S2*. Seek advice on your study pattern, if required.

4.1.4 Suggested Pattern of Study – International Business

First teaching subject: Business Studies

Please check current requirements in the online [University Handbook](#) before enrolling.

FOLLOW THE ADVICE FROM MACQUARIE BUSINESS SCHOOL ON ANY CHANGES TO THIS MAJOR.

Year 1 Session 1		cp	Year 1 Session 2		cp
EDST1000	Exploring Australian Education: Social and Historical Contexts	10	EDST1010	Learning and Development: An Introduction for Educators	10
ACCG1000	Accounting in Society	10	ACST1001	Finance 1A	10
ECON1020	Principles of Economics 1	10	MGMT1002	Principles of Management	10
STAT1250	Business Statistics	10	MGMT1005	Introduction to Global Business	10
Year 2 Session 1			Year 2 Session 2		
EDST2000	The Practice of Teaching: Inclusive Education (10 days)	10	MGMT3001	Global Business Strategy	10
EDUC 2620	Education: The Learner	10	MGMT2030	Cross Cultural Management	10
MGMT2002	International Business Operations	10	MKTG1001	Marketing Fundamentals	10
MGMT2031	Sustainability in International Business	10	EDST3170	Indigenous Education	10
Year 3 Session 1			Year 3 Session 2		
EDST3140	Introduction to the Secondary Curriculum		EDST3010	Practice of Teaching: Classroom Management and Assessment in the Secondary School (10 days)	
International Business 3000 Level Option Set			EDTE4210	Economics and Business Studies in the Secondary School I	
International Business 3000 Level Option Set			International Business 3000 Level Option Set		
MGMT3003	International Business Project (PACE)	10	MQBS3010	Agility and Excellence in Business (CAPSTONE)	10
Year 4 Session 1			Year 4 Session 2		
EDST4010	Practice of Teaching: ICT in the Secondary School (30 days)	10	BEd(Sec)BComm Option Set		10
EDTE4220	Economics and Business Studies in the Secondary School II	10	EDST4180	Transitioning to the Secondary Teaching Profession	10
BEd(Sec)BComm Option Set		10	EDST4200	Using and Interpreting Educational Data	10
EDST4120	Adolescent Development and Classroom Practice	10	EDST4020	Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms (30 days)	10

Section 5

Professional Experience Units

In the undergraduate degree programs, Professional Experience (PEX) begins in the second year of full-time study. While in schools, the Teacher Education Student (TES) works with, and is supervised by, an experienced Supervising Teacher (ST) who acts as a mentor. Students are also allocated a Tertiary Supervisor (TS) who may visit the school to meet with TES as well as liaise between ST and unit convenors. Full information is available on the [Professional Experience website](#).

Pattern of Professional Experience in Schools

Year of Study	Professional Experience Unit	Professional Experience Days	Session
Year 2	EDST2000 Practice of Teaching: Inclusive Education	10	S1
Year 3	EDST3010 Practice of Teaching: Classroom Management and Assessment in the Secondary School	10	S2
Year 4	EDST4010 Practice of Teaching: ICT in the Secondary School	30	S1
Year 4	EDST4020 Practice of Teaching: Culturally and Linguistically Diverse Secondary Classrooms	30	S2

Plan your own course worksheet

1st Teaching subject _____

2nd Teaching subject _____

20____ S1	20____ S2	20____ S3
20____ S1	20____ S2	20____ S3
20____ S1	20____ S2	20____ S3
20____ S1	20____ S2	20____ S3
20____ S1	20____ S2	20____ S3

Units contributing to NESA second teaching subject content requirements:
