



MACQUARIE
University

Department of Educational Studies

Secondary Teacher Education Program Undergraduate Student Guide 2018

Bachelor of Arts
with the degree of Bachelor of Education (Secondary)

Bachelor of Science
with the degree of Bachelor of Education (Secondary)

Students commencing in 2018 are advised to retain the 2018 Student Guide and to refer to it in each subsequent year of study

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IMPORTANT LINKS

[Department of Educational Studies](#)

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

[Macquarie University Handbook 2018](#)

[NSW Education Standards Authority](#)

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 well in your endeavours.

Dr Michael Cavanagh

Director, Secondary Teacher Education Program

HOW TO USE THIS GUIDE

The information contained in this guide is for students entering the following programs in 2018:

- Bachelor of Arts with the degree of Bachelor of Education (Secondary) [BABEd(Secondary)]
- Bachelor of Science with the degree of Bachelor of Education (Secondary) [BScBE(Secondary)].

Use this *Guide* with the current *University Handbook* to:

- be fully aware of the relevant Bachelor Degree Rules and about programs of study and units
- plan your program of study to fulfil degree requirements while meeting your own academic and professional interests and needs.

Macquarie University's Teacher Education Program allows some flexibility in your study plan, however, certain requirements must be met. Students enrolled in the Bachelor of Arts with the degree of Bachelor of Education (Secondary) or the Bachelor of Science with the degree of Bachelor of Education (Secondary) must choose a pattern of study that fulfils the requirements of:

- the BABEd(Secondary) *or* the BScBE(Secondary)
- *and* the NSW Education Standards Authority (NESA).

This *Guide* is designed to provide information that will allow students to make informed choices.

In the following sections, the term *required* is used to indicate those 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*. The term *recommended* is used to identify those units which we feel provide students with a basis of knowledge and skills on which to develop as a teacher or which will enhance their prospects of employment.

It is important for all students to refer to information in both the *University Handbook* and the *Secondary Student 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 requirements of NESAs.

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 about academic and program advisers is available on: <https://students.mq.edu.au/support/study/academic-advisers>.

Students in the Department of Educational Studies shall submit their requests via <https://ask.mq.edu.au/>.

IMPORTANT NOTE: Students are advised to familiarise themselves with the requirements of the NESAs <http://educationstandards.nsw.edu.au/wps/portal/nesa/teacher-accreditation/how-accreditation-works/your-accreditation/future-teachers>. It is the student's ultimate responsibility to understand these requirements. Additional information is available in Sections 1 and 4 of this guide.

EXEMPTIONS

[Exemptions](#) may be given when students have been granted recognition of prior learning (RPL) unspecified credit and have studied one or more units similar to planned units in their program. Students must seek specific exemptions for the nominated units from the department that offers them. Information about applying for recognition of prior learning and exemptions may be found at: <http://www.mq.edu.au/study/high-school-students/getting-into-university/applying/recognition-of-prior-learning>

APPLICATION TO UNDERTAKE MORE THAN 14 CREDIT POINTS (CREDIT OVERLOAD)

If you wish to enrol in more than 14 [credit](#) points in [session 1](#) or 2, or more than the standard number of [credit](#) points for any session, you will need to fill out the [Credit](#) Overload form.

[Application to undertake more than the standard number of credit points in a Session](#)

Please note that approval is not automatic and depends on your academic progress and reasons for the excess load.

SECTION 1

UNDERGRADUATE TEACHER EDUCATION PROGRAMS

1.1 Introduction

For those intending to be secondary school teachers, the Macquarie University offers the following double degree programs:

- Bachelor of Arts with the Degree of Bachelor of Education (Secondary) [BABEd(Secondary)]
- Bachelor of Science with the degree of Bachelor of Education (Secondary) [BScBE(Secondary)]

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

Students will complete a program of studies leading to **Qualifying Major** in a *first teaching subject*. Students may also meet the subject content requirements for a *second teaching subject* by completing the NESA minimum subject content requirements. Students will undertake required education studies and professional units, which include curriculum and methodology and professional experience placement in schools (see Sections 4 and 5).

Macquarie University offers secondary school curriculum and methodology units in the following subject areas:

First Teaching Subjects	Second Teaching Subjects	Specialisation Only
<ul style="list-style-type: none"> ▪ Business Studies ▪ Economics ▪ English ▪ Geography ▪ History (Ancient) ▪ History (Modern) ▪ Languages ▪ Mathematics ▪ Science 	<ul style="list-style-type: none"> ▪ Business Studies ▪ Economics ▪ English ▪ Geography ▪ History (Ancient) ▪ History (Modern) ▪ Languages ▪ Legal Studies ▪ Mathematics ▪ Society and Culture 	<ul style="list-style-type: none"> ▪ English as a Second Language

1.2 NESA Requirements and increased academic standards

1.2.1 Three Band 5 HSC results

To study in an accredited undergraduate teaching degree in NSW, students are required to meet a minimum standard of three Band 5 HSC results, including one in English.

Students enrolled in either of our NESA accredited secondary double degrees will meet this requirement by passing a full year of academic studies in the subject(s) they will teach (first and second teaching subject content) before undertaking studies in how to teach (ie TEP387, in year three of a full-time program)

Full information is available on the NESA website: <http://educationstandards.nsw.edu.au/wps/portal/nesa/teacher-accreditation/how-accreditation-works/your-accreditation/future-teachers/increased-academic-standards>

1.2.2 Literacy and Numeracy tests for teacher education students

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

In New South Wales, Teacher Education Students must pass the test prior to commencing their final professional experience placement. In the Secondary program, the final professional experience unit is TEP402.

Students may sit the test at any time but we strongly recommend undertaking the test no later than the end of the second year of full-time enrolment.

Test resources and information is available on iLearn at <http://ilearn.mq.edu.au/mod/page/view.php?id=3529290>.

From time to time, there will be workshops offered to assist students in preparing for the test and announcements regarding these sessions will be made.

Information about the test and how to register is available at <https://teacheredtest.acer.edu.au/>

It is strongly recommended that students who did not achieve at least Band 5 in English at the HSC include one of the following units in their program:

- LING291 *Writing in English*
- or
- LING109 *Language, Culture and Communication*

1.2.3 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 are:

- **First teaching subject**

In your undergraduate degree you are required to have successfully undertaken the equivalent of three-quarters of a year (0.75 Equivalent Full Time Study Load – EFTSL) of discipline study, usually comprising sequential discipline study taken over three years. In most programs, this equates to six units, with no more than two units at first year level and no fewer than two units at third year level.

- **Second teaching subject**

If you wish to be qualified to teach a second or subsequent secondary teaching subject (for flexibility of employment) you are required to have successfully undertaken the equivalent of a half a year (0.5 EFTSL) of discipline study, usually comprising sequential discipline study taken over two years. In most programs, this equates to four units, with no more than two units at first year level.

Some subject areas have very specific requirements which must be met. Full information about subject content requirements may be found on the [NESA website](#).

1.3 What you will study

All students are required to complete a minimum of 96 credit points (cp) that satisfy the relevant Bachelor Degree (BA or BSc) with the degree of Bachelor of Education rule outlined in the *University Handbook*. All general requirements, outlined in the schedule of programs of study, must be met and include:

- completion of a Qualifying Major for the Bachelor of Arts/Bachelor of Science;
- completion of specific minimum requirements for the Bachelor of Education (Secondary);
- completion of the balance of required credit points which include a People unit, a Planet unit, and a PACE unit.

1.3.1 Qualifying Major Bachelor of Arts/Bachelor of Science (First teaching subject)

The BA and BSc component of the double degree requires selecting a specific discipline area. The University calls this the 'Qualifying Major'. A complete list of approved Qualifying Majors may be found in the *University Handbook*.

Students wanting to be a secondary school teacher are expected to complete their Qualifying Major in the discipline area they wish to teach, that is their *first teaching subject*.

Note: Units that are part of the Qualifying Major cannot be counted as part of the BEd(Secondary) or as People or Planet units.

1.3.2 Second teaching subject

In many instances students are required, or choose, to qualify for a second teaching subject. Requirements for a second teaching subject can be met by satisfying the NESA minimum requirements as outlined in 1.2.3.

1.3.3 Required units for the Bachelor of Education (Secondary)

The Bachelor of Education (Secondary) is comprised of sixteen units of required studies which include units in educational theory, pedagogy, methodology and professional practice.

Note: Units that are part of the BEd(Secondary) cannot be counted as People or Planet units.

1.3.4 People and Planet units

The general requirements of all programs of study require the inclusion of **one** 'People' unit and **one** 'Planet' unit. The criteria for selection of People and Planet units states that, for a Program of Study for a Double Degree those units must be taken in two different Faculties. You should refer to the current *University Handbook* for full information, including a complete list of People and Planet units.

As noted above, required units in the BEd(Secondary) or in your Qualifying Major cannot be counted as People or Planet units.

1.3.5 PACE Units

The University requires that a student complete a Professional and Community Engagement (PACE) Unit in their program of study. In the BA/BScBEd(Secondary), the required professional experience units EDTE302, TEP401 and TEP402 are designated as PACE units.

SECTION 2

THE UNDERGRADUATE PROGRAM OF STUDY

2.1 Introduction

All programs may be studied full-time or part-time. The [Macquarie University Glossary](#) defines full-time and part-time as follows:

Full-time student:	A student who is enrolled in units in an academic year which comprise at least 0.75 of an Equivalent Full-Time Study Load for the course for which they are admitted
Part-time student:	A student who is enrolled in units in an academic year which comprise less than 0.75 of an Equivalent Full-Time Student Load for the course for which they are admitted.

Students may change between full-time or part-time enrolment at any time throughout their degree. You do not need to notify the University about this.

Students are advised to map out their program of study as far in advance as possible while remembering that both their interests may change and the offerings of units may alter on a yearly basis.

Maximum workload per session

The University advises that one credit point is equivalent to a minimum of three hours work per week. Therefore, a 3 credit point unit would require a minimum study time commitment of 9 hours per week.

Students who wish to complete their program in the minimum time need to complete at least 12 credit points per session, if following a standard Session 1/Session 2 pattern of study. Programs of study in excess of 14 credit points in Sessions 1 and 2 require special approval (see page 7). Enrolment in Session 3 is limited to two units (6 credit points).

2.2 Selecting your teaching subjects

2.2.1 First Teaching Subject

You must complete subject content requirements for at least one first teaching subject. Your Qualifying Major is expected to be in the discipline of your first teaching subject. In undertaking the requirements for your first teaching subject, you will complete units that develop and build knowledge and understanding of your chosen subject.

You must select a *first teaching subject* from the following:

- Business Studies
- Economics
- English
- Geography
- History (Ancient)
- History (Modern)
- Languages
- Mathematics
- Science (select one area)
 - Biology
 - Chemistry
 - Earth & Environmental Science
 - Physics

2.2.2 Second Teaching Subject

A *second teaching subject* usually broadens your employment opportunities. Students (except those completing Mathematics and Science as a first teaching subject) are encouraged to undertake second teaching subject. Science students are expected to have studies in more than one Science discipline. Students with History or Geography as their first teaching subject are expected to complete a second teaching subject.

- Business Studies
- Economics
- English
- Geography
- History (Ancient)
- History (Modern)
- Languages
- Legal Studies
- Mathematics
- Society and Culture
- Science (select one area)
[only available to students with a first teaching subject in a Science]
 - Biology
 - Chemistry
 - Earth & Environmental Science
 - Physics

Note: Students are required to familiarise themselves with the NESAs subject content requirements and University prerequisites for their selected second teaching subject. It is the student's responsibility to ensure they include the necessary units in their program of study.

2.3 Overview of requirements for the BA/BScBEd(Secondary)

The chart below identifies the general components for meeting the University requirements for the BAbEd(Secondary) and BScBEd(Secondary). This information must be read in conjunction with the [Macquarie University Handbook](#) and the requirements of the [NESA](#).

Overview – BAbEd(Secondary) and BScBEd(Secondary) ¹		
Qualifying Major ² 24 cp	BEd(Secondary) Undergraduate Specific Minimum Requirements 48 cp	Electives ³ 24 cp
University Handbook Schedule of Majors Qualifying Majors for the BAbEd(Secondary) Qualifying Majors for the BScBEd(Secondary)	EDUC105 EDUC106 EDUC262 or EDUC264 EDUC267 EDUC 200 level or above EDUC 200 level or above TEP248 TEP387 TEP388 EDTE302 – PACE UNIT EDUC or TEP/EDTE at 300 level or above EDUC or TEP/EDTE at 300 level or above TEP401 – PACE UNIT TEP402 – PACE UNIT ONE OF: TEP421 and TEP422 (Econ/BStudies) TEP423 and TEP424 (English) TEP425 and TEP426 (Geography) TEP427 and TEP428 (History) TEP429 and TEP430 (Mathematics) TEP431 and TEP432 (Languages) EDTE433 and EDTE434 (Science)	Elective Elective Elective Elective Elective Elective or LING109 or LING291 ⁴ Elective - PEOPLE UNIT Elective - PLANET UNIT

- ¹ The [BScBEd\(Secondary\)](#) includes a requirement for completion of a minimum of 42 credit points designated as Science. The BSc also requires 3cp in Foundation units from specified DMTH/MATH/STAT units. Please check these [requirements](#) in the online *University Handbook* before enrolling.
- ² Most Qualifying Majors require 24 cp. Should your major be more than 24 cp, the necessary credit points will mean you will have fewer options in the *Electives* category.
- ³ Elective units are used to meet the People and Planet requirements, and second teaching subject content.
- ⁴ It is strongly recommended that students who did not achieve at least Band 5 in English at the HSC include one of the following units in their program: [LING109](#) *Language, Culture and Communication* or [LING291](#) *Writing in English*.

To assist you in planning your program, Section 4 includes suggested patterns of study for the academic majors that meet the requirements for first teaching subjects.

Note: Units that are part of the Qualifying Major cannot be counted as part of the BA/BScBEd (Secondary) or as People and Planet units.

SECTION 3

THE FOUR YEAR FULL-TIME PROGRAM

3.1 First year of full-time study

Planning a well-structured first year of study sets the foundation for the years that follow. A typical first year of full-time study, based on 12 cp per Session, includes:

- **EDUC105 and EDUC106**
- At least two units required for your major (ie the first teaching subject)
- The remaining units will vary based on your areas of study and may include:
 - Two units in a second teaching subject
 - People and/or Planet unit
 - (for BSc students) additional Science units.

The individual suggested patterns in Section 4 will outline the options for your particular area.

3.2 Second Year of full-time study

In second year, you continue your studies in the sequence of units specified for your major (and second teaching subject where appropriate) and also undertake further education studies.

A typical second year of full-time study for BABEd(Secondary) and BScBEEd(Secondary) includes:

- 6-9 credit points required for the Major (first teaching subject) at 200 or 300 level as specified by the relevant *Schedule of Majors*
- **EDUC262 or EDUC264**
- **EDUC267**
- **One additional 200 level EDUC unit**
 - **Intending Mathematics teachers must** complete EDUC258 *Mathematics in Schools*.
 - **Intending English teachers** are strongly encouraged to include EDUC260 *Language, Literacy and Learning* in their program.

Note: In some study patterns, this second year EDUC unit may need to be exchanged with a required unit towards completion of the academic major. In such cases, the option for a 200 or 300 level EDUC unit will be in Years 3 or 4. Please refer to the suggested patterns of study in Section 4).

- **TEP248 Key Competencies in Inclusive Education**

Note: TEP248 may be undertaken in year 2, 3 or 4 and varies in patterns of study to accommodate requirements of qualifying majors. TEP248 is also offered in S3.

- The remaining units will vary based on your areas of study and may include:
 - units in a second teaching subject
 - People and/or Planet unit
 - additional Science units if you are a BSc student.

It is recommended that students undertake the [Literacy and Numeracy Test for Initial Teacher Education Students](#) in the second half of this year.

3.3 Third year of full-time study

The typical third year program includes studies toward your major and required education units:

- 9-12 credit points as specified by the relevant *Schedule of Majors* to complete the Major requirements, including the Capstone
- **TEP387 and TEP388**
- **EDTE302 in S2.**
- The remaining units will vary based on your areas of study and may include:
 - units in a second teaching subject
 - People and/or Planet unit
 - additional Science units if you are a BSc student.

3.4 Fourth year of full-time study

During Year 4, you complete final year methodology and professional experience units and a unit on inclusive education, along with meeting any further degree or content requirements.

A typical fourth year includes:

- **Methodology units for the first teaching subject(s)**
- Methodology unit(s) for the second teaching subject(s) – if required
- **Professional Experience units – TEP401 and TEP402**
- The remaining units will include: any additional academic studies to complete degree requirements.

SECTION 4

SECONDARY TEACHING SUBJECTS – 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 full-time. Some academic units are recommended because, while not necessarily *required*, they are considered valuable for students preparing for a teaching career.

Students studying to be a secondary teacher typically complete the requirements for their first teaching subject as their Qualifying Major. Elective units are utilised to meet the requirements for additional first or second teaching subjects.

Please keep in mind that these suggested patterns have been prepared based on the draft 2016 Timetable. The University timetable may change in future years, and some units may not be offered every year or may be discontinued. These suggested patterns may also be altered (ie moving a suggested Session 2 elective to Session 1 or Session 3).

4.1 English

TEP423 and TEP424 English in the Secondary School I and II are the required methodology units for teaching English in NSW Secondary Schools.

4.1.1 English as a first teaching subject

For English as a first teaching subject, most undergraduate students will complete a qualifying major (eight units, 24cp) in English which must include a strong core of textual studies including literature. When planning a program of study, students should ensure they study a variety of literary forms and periods. It is advisable to include at least one elective unit of Linguistics in your program.

Recommended English units

Students are strongly encouraged to include the following units, which contribute to the NESA subject content requirements for English, in their qualifying major:

- ENGL205 *Australian Literature*
- ENGL209 *Children's Literature* or ENGL310 *Contemporary Australian Children's Literature*
- ENGL309 *Shakespeare and the Renaissance*.

Other recommended elective units

- EDUC 200 level elective: EDUC260 *Language, Literacy and Learning* is strongly recommended.

Note: *EDUC260 does not contribute to the NESA subject content requirements for Secondary English.*

- One unit (three elective credit points) of Linguistics from either LING109 [*People unit*], LING111, LING120 [*People unit*], or LING291.

4.2.2 English as a second teaching subject

For English as a second teaching subject, students must complete at least two years (four units, 12 cp) of degree level study in English with at least two units at 200 level or above, including at least two units of a strong core of textual studies including literature.

Recommended English units

Students are strongly encouraged to include the following units which contribute to the NESA subject content requirements for English:

- ENGL205 *Australian Literature*
- ENGL209 *Children's Literature* or ENGL310 *Contemporary Australian Children's Literature*
- ENGL309 *Shakespeare and the Renaissance*.

Other recommended elective units

- EDUC 200 level elective: EDUC260 *Language, Literacy and Learning*.
Note: EDUC260 does not contribute to the NESAs subject content requirements for secondary English.
- One unit (three elective credit points) of Linguistics from either LING109 [*People unit*], LING111, LING120 [*People unit*], or LING291.

Suggested Pattern of Study - [English Major \(EGL18V1\)](#) with a second teaching subject

Year 1 Session 1		Year 1 Session 2	
EDUC105	3 cp	EDUC106	3 cp
ENGL120	3 cp	ENGL205* or ENGL2XX	3 cp
2 nd Subject Content or Elective	3 cp	2 nd Subject Content or Elective	3 cp
Elective [People or Planet]	3 cp	Elective [People or Planet]	3 cp
Year 2 Session 1		Year 2 Session 2	
EDUC264 or EDUC2XX	3 cp	EDUC262 or EDUC2XX	3 cp
ENGL2XX##	3 cp	ENGL309** or ENGL3XX##	3 cp
EDUC260**	3 cp	EDUC267	3 cp
2 nd Subject Content or elective	3 cp	2 nd Subject Content or elective	3 cp
Year 3 Session 1		Year 3 Session 2	
TEP387	3 cp	TEP388	3 cp
ENGL3XX	3 cp	ENGL389 [CAPSTONE]	3 cp
ENGL3XX	3 cp	TEP248	3 cp
ENGL any level	3 cp	EDTE302	3 cp
Year 4 Session 1		Year 4 Session 2	
TEP401	3 cp	TEP402	3 cp
TEP423	3 cp	TEP424	3 cp
TEP4XX Second Subject Methodology or EDUC3XX	3 cp	TEP4XX Second Subject Methodology or EDUC3XX	3 cp
Elective	3 cp	Elective	3 cp

Recommended elective Linguistics units:

- LING109 [People unit]
- LING111**
- LING120 [People unit]
- LING291

** Strongly recommended

The English major has a specified range of *Required* units at the 200 and 300 level. Please check these requirements in the online *University Handbook* before enrolling.

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

- Ancient History
- Modern History
- Languages
- Society & Culture

4.2 Mathematics

TEP429 and TEP430 Mathematics in the Secondary School I & II are the required methodology units for teaching Mathematics in NSW Secondary Schools.

4.2.1 Mathematics as a first teaching subject

For Mathematics as a first teaching subject, undergraduate students should complete an academic major in Mathematics.

4.2.2 Mathematics as a second teaching subject

For Mathematics as a second teaching subject, students must complete at least two years (four units, 12 cp) of degree level study in pure or applied Mathematics that must include algebra and calculus with no more than two units at 100 level.

Recommended units that will meet these requirements are:

Session 1	Session 2
MATH135	MATH136
MATH235	MATH236*

* Students may choose MATH300 instead MATH236. This is a S1 unit with the prerequisites of 39cp including MATH235.

4.2.3 Required unit EDUC258 *Mathematics in Schools*

All secondary Mathematics students must complete EDUC258 *Mathematics in Schools*, which is a prerequisite for the required unit TEP429 *Mathematics in Secondary School 1*.

The required learning program for secondary teachers enrolled in EDUC258 includes:

- two one-hour lectures (audio-recordings are available on iLearn); and
- a one-hour tutorial.

Please refer to the University Timetable and the EDUC258 page on iLearn for the times and locations of lectures and tutorials.

Suggested Pattern of Study – BScBEd(Secondary) [Mathematics Major \(MAT18V1\)](#)

Year 1 Session 1		Year 1 Session 2	
EDUC105	3 cp	EDUC106	3 cp
MATH135 or MATH132	3 cp	MATH136 or MATH133	3 cp
Science Elective [Planet] STAT170** or STAT175**	3 cp	Science Elective DMTH137**	3 cp
Science Elective	3 cp	Elective [People]	3 cp
Year 2 Session 1		Year 2 Session 2	
EDUC264 or EDUC2XX	3 cp	EDUC262 or EDUC2XX****	3 cp
EDUC258*	3 cp	EDUC267	3 cp
MATH235	3 cp	MATH236 or MATH232	3 cp
DMTH237** or Elective	3 cp	TEP248	3 cp
Year 3 Session 1		Year 3 Session 2	
TEP387	3 cp	TEP388	3 cp
MATH300** or MATH3XX	3 cp	MATH3XX	3 cp
MATH3XX or MATH337*** [CAPSTONE]	3 cp	MATH3XX or MATH336*** [CAPSTONE]	3 cp
AFAS200** or Elective	3 cp	EDTE302	3 cp
Year 4 Session 1		Year 4 Session 2	
TEP401	3 cp	TEP402	3 cp
TEP429	3 cp	TEP430	3 cp
EDUC3XX	3 cp	EDUC3XX*****	3 cp
Science Elective	3 cp	Science Elective	3 cp

* *EDUC258 must be completed by intending Mathematics teachers as it is a prerequisite to the required unit TEP429. . It is strongly recommended that EDUC258 be completed prior to enrolling in TEP387.*

** *Strongly recommended*

*** *MATH336 or MATH337: One of these units must be completed as the Capstone unit for the Mathematics major*

**** *EDUC219 is recommended*

***** *EDUC359 is strongly recommended*

Note Students enrolled in the BScBEd(Secondary) must include a minimum of 42 credit points designated as Science in their program.

Suggested Pattern of Study – BABEd(Secondary) [Mathematics Major \(MAT18V1\)](#)

Year 1 Session 1		Year 1 Session 2	
EDUC105	3 cp	EDUC106	3 cp
MATH135 or MATH132	3 cp	MATH136 or MATH133	3 cp
Elective [Planet] STAT170* or STAT175*	3 cp	DMTH137** or Elective	3 cp
Elective or Elective [People]	3 cp	Elective or Elective [People]	3 cp
Year 2 Session 1		Year 2 Session 2	
EDUC264 or EDUC2XX	3 cp	EDUC262 or EDUC2XX****	3 cp
EDUC258†	3 cp	EDUC267	3 cp
MATH235fs	3 cp	MATH236 or MATH232	3 cp
DMTH237** or Elective	3 cp	TEP248	3 cp
Year 3 Session 1		Year 3 Session 2	
TEP387	3 cp	TEP388	3 cp
MATH300** or MATH3XX	3 cp	MATH3XX	3 cp
MATH3XX or MATH337***	3 cp	MATH3XX or MATH336***	3 cp
AFAS200** or Elective	3 cp	EDTE302	3 cp
Year 4 Session 1		Year 4 Session 2	
TEP401	3 cp	TEP402	3 cp
TEP429	3 cp	TEP430	3 cp
EDUC3XX	3 cp	EDUC3XX*****	3 cp
Elective	3 cp	Elective	3 cp

† EDUC258 must be completed by intending Mathematics teachers as it is a prerequisite to the required unit TEP429. It is strongly recommended that EDUC258 be completed prior to enrolling in TEP387.

* Recommended Planet unit

** Strongly recommended

*** MATH336 or MATH337: One of these units must be completed as the Capstone unit for the Mathematics major

**** EDUC219 is recommended

***** EDUC359 is strongly recommended

4.3 Science

EDTE433 and EDTE434 Science in the Secondary School I and II are the required methodology units for teaching Science in NSW Secondary Schools.

In NSW secondary schools Science is taught as an integrated course, involving components of Biology, Chemistry, Earth and Environmental Sciences and Physics to Year 10 level, and in some cases to Year 12 level. Therefore, intending Science teachers are best prepared if they have studied each of the four disciplines at least at 100 level.

Science teachers are often called upon to teach more than one Science subject to Year 12 level. Although separate Science disciplines are taught as full subjects in Stage 6, few schools offer Science teachers the opportunity of complete specialisation in just one subject, for example, Chemistry to the exclusion of Physics. Students intending to become Science teachers are best prepared if they have studied Science outside their major discipline *at least* to 200 level.

A knowledge of Chemistry, Physics, Earth and Environmental Science and Biology is assumed background prior to enrolling in EDTE433. In EDTE433, there is a three-hour weekly workshop focusing on teaching Science to secondary school students. In EDTE434, there are two two-hour core workshops each week. Students are required to attend two of the following workshops: Biology, Chemistry, Physics, Earth and Environmental Science.

4.3.1 Science as a first teaching subject

Intending Science teachers usually complete an academic major in one of Biology, Chemistry, Geology, or Physics.

When planning a program care must be taken to ensure that academic prerequisites for 200 and 300 level Science studies are satisfied and that the NESAs required additional minimum requirements, outlined below, are included in the program.

NESA Requirements

The NESAs have specific minimum subject content requirements for Science teachers. We, however, recommend students study a Science outside their major discipline at least to 200 level as outlined in the suggested patterns of study.

Academic Major	Additional NESA Minimum Requirements for a first teaching subject
Biology	Two units in one of Chemistry or Physics
Chemistry	Two units in one of Physics or Biology
Geology	One unit in biology and two units in one of Chemistry or Physics
Physics	Two units in one of Biology or Chemistry or Earth and Environmental Science

Suggested Pattern of Study - [Biology Major \(BIO18V1\)](#)

Year 1 Session 1		Year 1 Session 2	
EDUC105	3 cp	EDUC106	3 cp
BIOL116	3 cp	BIOL115	3 cp
CBMS1XX or PHYS1XX ¹	3 cp	CBMS1XX or PHYS1XX	3 cp
Required 100 level DMTH/MATH/STAT ²	3 cp	Science Elective [Planet] or Elective [People]	3 cp
Year 2 Session 1		Year 2 Session 2	
EDUC264 or EDUC2XX	3 cp	EDUC262 or EDUC2XX	3 cp
BIOLOGY: Required 200 level unit ²	3 cp	BIOLOGY: Required 200 level unit	3 cp
2 nd Science Subject CBMS or PHYS 200 level or above	3 cp	2 nd Science Subject CBMS or PHYS 200 level or above	3 cp
Elective [People] or Science Elective [Planet]	3 cp	EDUC267	3 cp
Year 3 Session 1		Year 3 Session 2	
TEP387	3 cp	TEP388	3 cp
BIOLOGY: Required 300 level unit ³	3 cp	BIOLOGY: Required 300 level unit	3 cp
BIOLOGY: Required 300 level unit	3 cp	BIOL391 [CAPSTONE]	3 cp
Elective	3 cp	EDTE302	3 cp
Year 4 Session 1		Year 4 Session 2	
TEP401	3 cp	TEP402	3 cp
EDTE433	3 cp	EDTE434	3 cp
EDUC2XX or EDUC3XX	3 cp	TEP248	3 cp
EDUC3XX	3 cp	EDUC3XX	3 cp

¹ To meet the NESAC accreditation requirements, students undertaking a major in Biology must also include a minimum of two units in either Chemistry or Physics. We recommend students undertake four units of study in this second Science, as outlined in this suggested pattern.

Students selecting Chemistry as their second Science are encouraged to include CBMS107 and CBMS108 in their program.

Students selecting Physics as their second Science must meet HSC Mathematics Band 4 or above requirements for 100 level study and undertake pre- or co-requisite units in MATH to study PHYS at the 200 level.

² The BSc requires 3cp in Foundation units from specified DMTH/MATH/STAT units. Please check these requirements in the online *University Handbook* before enrolling.

³ The Biology major has a specified range of *Required* units at the 200 and 300 level. Please check these requirements in the online *University Handbook* before enrolling.

Note Students enrolled BScBE (Secondary) must include a minimum of 42 credit points designated as Science in their program.

Suggested Pattern of Study – [Chemical and Biomolecular Sciences \(CHB18V1\)](#)

Year 1 Session 1		Year 1 Session 2	
EDUC105	3 cp	EDUC106	3 cp
CBMS107	3 cp	CBMS108	3 cp
BIOL1XX or PHYS1XX or GEOS1XX ¹	3 cp	BIOL1XX or PHYS1XX or GEOS1XX	3 cp
Required 100 level DMTH/MATH/STAT ³	3 cp	Science Elective [Planet] or Elective [People]	3 cp
Year 2 Session 1		Year 2 Session 2	
EDUC264 or EDUC2XX	3 cp	EDUC262 or EDUC2XX	3 cp
CBMS201-203	3 cp	CBMS200 or CBMS201-203	3 cp
2 nd Science Subject BIOL or PHYS or GEOS 200 level or above	3 cp	2 nd Science Subject BIOL or PHYS or GEOS 200 level or above	3 cp
Elective [People] or Science Elective [Planet]	3 cp	EDUC267	3 cp
Year 3 Session 1		Year 3 Session 2	
TEP387	3 cp	TEP388	3 cp
CBMS3XX ²	3 cp	EDTE302	3 cp
CBMS3XX	3 cp	CBMS3XX	3 cp
Elective	3 cp	CBMS330 [CAPSTONE]	3 cp
Year 4 Session 1		Year 4 Session 2	
TEP401	3 cp	TEP402	3 cp
EDTE433	3 cp	EDTE434	3 cp
EDUC2XX or EDUC3XX	3 cp	TEP248	3 cp
EDUC3XX	3 cp	EDUC3XX	3 cp

- ¹ To meet the NESAC accreditation requirements, students undertaking a major in Chemistry must also include a minimum of two units in one of Biology or Physics or Earth and Environmental Science. We recommend students undertake four units of study in this second Science, as outlined in this suggested pattern.
- Students selecting Biology as their second Science are encouraged to include BIOL114 and BIOL115 in their program
- Students selecting Physics as the second Science must meet HSC Mathematics Band 4 or above requirements for 100 level study and undertake pre- or co-requisite units in MATH to study PHYS at the 200 level.
- Students selecting Earth and Environmental Science as their second Science will select appropriate units from the Geology major.
- ² The Chemistry major has a specified range of *Required* units at the 300 level. Please check these requirements in the online *University Handbook* before enrolling in any 300 level units.
- ³ The BSc requires 3cp in Foundation units from specified DMTH/MATH/STAT units. Please check these requirements in the online *University Handbook* before enrolling.
- Note** Students enrolled BScBE(Secondary) must include a minimum of 42 credit points designated as Science in their program.
- Students may consider CMBS235 as a Science designated elective.

Suggested Pattern of Study - [Geology Major \(GEL18V1\)](#)

Year 1 Session 1		Year 1 Session 2			
EDUC105	3 cp	EDUC106	3 cp		
BIOL1XX ¹	3 cp	GEOS125 or GEOS126	3 cp		
CBMS1XX or PHYS1XX ¹	3 cp	CBMS1XX or PHYS1XX	3 cp		
Required 100 level DMTH/MATH/STAT ²	3 cp	Science Elective [Planet] or Elective [People]	3 cp		
Year 2 Session 1		Year 2 Session 2		Year 2 Session 3	
EDUC264 or EDUC2XX	3 cp	EDUC262 or EDUC2XX	3 cp	GEOS226 (S3 External)	3 cp
GEOS207	3 cp	GEOS205 or GEOS272	3 cp		
2 nd Science Subject CBMS or PHYS 200 level or above	3 cp	EDUC267]	3 cp		
2 nd Science Subject CBMS or PHYS200 level or above	3 cp				
Year 3 Session 1		Year 3 Session 2			
TEP387	3 cp	TEP388	3 cp		
EDUC3XX	3 cp	EDTE302	3 cp		
GEOS344	3 cp	GEOS309	3 cp		
GEOS307 [CAPSTONE] (WV External)	3 cp	GEOS343	3 cp		
Year 4 Session 1		Year 4 Session 2			
TEP401	3 cp	TEP402	3 cp		
EDTE433	3 cp	EDTE434	3 cp		
EDUC2XX or EDUC3XX	3 cp	TEP248	3 cp		
EDUC3XX	3 cp				

¹ To meet the NESA accreditation requirements, students undertaking a major in Geology must also include one unit of Biology **and** a minimum of two units in one of Chemistry or Physics. We recommend students undertake four units of study in this second Science, as outlined in this suggested pattern.

Students selecting Physics as the second Science must meet HSC Mathematics Band 4 or above requirements for 100 level study and undertake pre- or co-requisite units in MATH to study PHYS at the 200 level.

² The BSc requires 3cp in Foundation units from specified DMTH/MATH/STAT units. Please check these requirements in the online *University Handbook* before enrolling.

Note Students enrolled BScBE(Secondary) must include a minimum of 42 credit points designated as Science in their program.

Suggested Pattern of Study - [Physics Major \(PHY18V1\)](#)

Year 1 Session 1		Year 1 Session 2	
EDUC105	3 cp	EDUC106	3 cp
PHYS107 (preferred for secondary teaching) or PHYS140	3 cp	PHYS106 (preferred for secondary teaching) or PHYS143	3 cp
MATH132 or MATH135 ³	3 cp	MATH133 or MATH136	3 cp
BIO1XX or CHEM1XX or GEOS1XX ¹	3 cp	BIO1XX or CHEM1XX or GEOS1XX ¹	3 cp
Year 2 Session 1		Year 2 Session 2	
EDUC264 or EDUC2XX or EDUC258 for students wishing to qualify with Mathematics as an additional second teaching subject	3 cp	EDUC262 or EDUC2XX	3 cp
PHYS201	3 cp	PHYS202	3 cp
MATH235	3 cp	MATH232 or MATH236	3 cp
Science Elective [Planet]	3 cp	EDUC267	3 cp
Year 3 Session 1		Year 3 Session 2	
TEP387	3 cp	TEP388	3 cp
EDUC2XX or ABOVE	3 cp	EDTE302	3 cp
ASTR/PHYS3XX ²	3 cp	ASTR/PHYS3XX ²	3 cp
PHYS301	3 cp	PHYS311 [CAPSTONE]	3 cp
Year 4 Session 1		Year 4 Session 2	
TEP401	3 cp	TEP402	3 cp
EDTE433	3 cp	EDTE434	3 cp
EDUC3XX or TEP429 for students wishing to qualify with Mathematics as additional second teaching subject	3 cp	EDUC3XX TEP430 for students wishing to qualify with Mathematics as an additional second teaching subject	3 cp
Elective [People]	3 cp	TEP248	3 cp

¹ To meet the NESA accreditation requirements, students undertaking a major in Physics must also include a minimum of two units in one of Biology or Chemistry or Earth and Environmental Science.

- For Biology as the second Science, you are encouraged to include BIOL114 and BIOL115.
- For Chemistry as the second Science, you are encouraged to include CBMS107 and CBMS108.
- For Earth and Environmental Science as the second Science, select appropriate units from the Geology major.

² The Physics major has a specified range of *Required* units at the 300 level. Please check these requirements in the online *University Handbook* before enrolling in any 300 level units. Students must also check MATH requirements for all intended further units in PHYS and ASTR units.

³ The BSc requires 3cp in Foundation units from specified DMTH/MATH/STAT units. This requirements is met by enrolment in either MATH132 or MATH135.

Note Students enrolled BScBEd(Secondary) must include a minimum of 42 credit points designated as Science in their program.

4.4 Social Sciences

In New South Wales, History, Economics, Geography, Commerce, Business Studies, Legal Studies, and Society and Culture are taught within the Social Sciences [also referred to as Human Society and Its Environment (HSIE)]. Intending teachers are encouraged to complete academic and professional curriculum units in at least TWO subject areas e.g. Geography/Economics, Geography/History, and History/Legal Studies. This may be achieved by completing one first teaching subject and a second teaching subject or two first teaching subjects.

Students undertaking Economics or Business Studies as a first teaching subject may wish to consider the following second teaching subject areas:

- Economics
- Business Studies
- Geography
- Ancient History
- Modern History
- Legal Studies

4.4.1 Economics and Business Studies

TEP421 and TEP422 Economics and Business Studies in the Secondary School I and II are the required methodology units for teaching Economics and Business Studies in NSW Secondary Schools.

Economics and Business Studies Subject content requirements

Business Studies as a first teaching subject: Students must complete a sequence of 6 units in business related studies (with no more than two units at 100 level and no fewer than two units at 300 level). The sequence of units must include at least one unit of finance or accounting; one unit of business management. The remaining units can be drawn from Business Law (Australian or English), Economics, Human Resource Management, Industrial Relations, Marketing, Finance, Accounting or Business Management.

Business Studies as a second teaching subject: Students require two years of degree level study (4 units with at least 2 units at 200 level or above) including at least one unit of Business Management and at least one unit of Finance/Accounting. The remaining two units can be drawn from Business Law (Australian or English), Economics, Human Resource Management, Industrial Relations, Marketing, Finance, Accounting or Business Management.

Economics as a first teaching subject: Students require a sequence of 6 units in Economics with no more than two units at 100 level and no fewer than two units at 300 level.

Economics as a second teaching subject: Students require two years of study in Economics (4 units) with at least two units at 200 level or above.

Students enrolled in the Bachelor of Arts with the Bachelor of Education (Secondary) [BABEd(Secondary)] must complete one of the following Qualifying Majors together with the additional subject content requirements. Recommended units are listed in the table below.

Qualifying Major	Additional Subject Content Requirements	Accreditation to Teach
Economics (ECO18V1)	One unit of Finance or Accounting <i>and</i> One unit of Business management	This Qualifying Major, when combined with the additional specified units, will give you accreditation with the NESA to teach <u>both</u> Economics and Business Studies as first teaching subjects.
Economics (ECO18V1)	Nil	This Qualifying Major will give you accreditation with the NESA to teach Economics as a first teaching subject.

Qualifying Major	Additional Subject Content Requirements	Accreditation to Teach
Economics (ECO18V1)	GEOP111 <i>Geographies of Global Change</i> (People unit – Faculty of Arts) GEOS112 <i>The Planet Earth</i> (Planet Unit – Faculty of Science and Engineering) <i>and</i> 2 units at 200 level from GEOS2XX or GEOP2XX or ENV2XX	This Qualifying Major, when combined with the additional specified units, will give you accreditation with the NESAs to teach Economics and as first teaching subjects and Geography as a second teaching subject.
International Business (INB18V1)	One unit of Finance or Accounting	These Qualifying Majors, when combined with the additional specified unit(s), will allow you to meet NESAs subject content requirements for accreditation with Business Studies as a first teaching subject.
Marketing (MKT18V1)	One unit of Finance or Accounting <i>and</i> One unit of Business management	
Human Resources (HUR18V1)	One unit of Finance or Accounting <i>and</i> One unit of Business management	

Units meeting NESAs subject content requirements for Business Management and Accounting/Finance

Subject Area	Recommended units at Macquarie
Business management	BBA102 <i>Principles of Management</i>
Finance/Accounting	ACCG100 <i>Accounting in Society</i>

Suggested Pattern of Study - [Economics Major \(ECO18V1\)](#) with both Economics and Business Studies as first teaching subjects

Year 1 Session 1		Year 1 Session 2	
EDUC105	3 cp	EDUC106	3 cp
ECON110	3 cp	ECON111	3 cp
BBA102*	3 cp	ACCG100**	3 cp
Elective [People or Planet]	3 cp	Elective [People or Planet]	3 cp
Year 2 Session 1		Year 2 Session 2	
EDUC264 or EDUC2XX	3 cp	EDUC262 or EDUC2XX	3 cp
ECON203	3 cp	ECON204	3 cp
Elective	3 cp	EDUC267	3 cp
Elective	3 cp	Elective	3 cp
Year 3 Session 1		Year 3 Session 2	
TEP387	3 cp	TEP388	3 cp
ECON3XX [#]	3 cp	EDTE302	3 cp
ECON3XX [#]	3 cp	ECON381 [CAPSTONE]	3 cp
ECON309	3 cp	TEP248	3 cp
Year 4 Session 1		Year 4 Session 2	
TEP401	3 cp	TEP402	3 cp
TEP421	3 cp	TEP422	3 cp
EDUC3XX or TEP4XX Second Subject Methodology	3 cp	EDUC3XX or TEP4XX Second Subject Methodology	3 cp
Elective	3 cp	EDUC2XX or EDUC3XX	3 cp

* Meets the Business Management requirements of the NESAs.

**Meets the Accounting/Finance requirements of the NESAs.

^{##} Units must be selected from a specified range; refer to the University Handbook.

Suggested Pattern of Study - [Economics Major \(ECO18V1\)](#) with both Economics and Business Studies as first teaching subjects and Geography as a second teaching subject.

Year 1 Session 1		Year 1 Session 2	
EDUC105	3 cp	EDUC106	3 cp
ECON110	3 cp	ECON111	3 cp
GEOS112 [Planet Unit – Faculty of Science and Engineering]	3 cp	ACCG100**	3 cp
GEOP111 [People – Faculty of Arts]	3 cp	BBA102*	3 cp
Year 2 Session 1		Year 2 Session 2	
EDUC264 or EDUC2XX	3 cp	EDUC262 or EDUC2XX	3 cp
ECON203	3 cp	ECON204	3 cp
GEOS2XX or GEOP2XX or ENV2XX	3 cp	GEOS2XX or GEOP2XX or ENV2xx	3 cp
Elective	3 cp	EDUC267	3 cp
Year 3 Session 1		Year 3 Session 2	
TEP387	3 cp	TEP388	3 cp
ECON3XX#	3 cp	EDTE302	3 cp
ECON3XX#	3 cp	ECON381 [CAPSTONE]	3 cp
ECON309	3 cp	TEP248	3 cp
Year 4 Session 1		Year 4 Session 2	
TEP401	3 cp	TEP402	3 cp
TEP421	3 cp	TEP422	3 cp
TEP425	3 cp	TEP426	3 cp
Elective	3 cp	EDUC2XX or EDUC3XX	3 cp

*Meets the Business Management requirements of the NESA.

**Meets the Accounting/Finance requirements of the NESA.

Units must be selected from a specified range; refer to the University Handbook.

4.4.2 Geography

TEP425 and TEP426 Geography in the Secondary School I and II are the required methodology units for teaching Geography in NSW Secondary Schools.

4.4.2.1 Geography as a first teaching subject

For Geography as a first teaching subject, most undergraduate students will complete an academic major in Geography. Macquarie University offers two Geography majors, *Geography* (GEO18V1) which has an environmental management focus and *Human Geography* (HUG18V1) which focusses on the interactions of humans with their environment.

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:

- Ancient History
- Modern History
- Business Studies
- Economics
- Legal Studies
- Society and Culture

4.4.2.2 Geography as a second teaching subject

For Geography as a second teaching subject, students must complete at least two years (four units, 12 cp) of degree level study in Geography with no more than two units at 100 level.

4.4.2.3 Relevant units

The following lists units of study available at 100 and 200-Level especially relevant to the content of the NSW Geography Syllabuses:

Physical Geography

GEOS112	<i>The Planet Earth</i>
GEOS125	<i>Earth Dynamics</i>
ENV118	<i>Environmental Management for a Changing World</i>
ENV267	<i>Australian Environmental Futures</i>
ENVS264	<i>Introduction to Geographic Information Systems</i>
ENVS117	<i>Biophysical Environments</i>
ENVS214	<i>Climate Change</i>
ENVS237	<i>Natural Hazards</i>
ENVS266	<i>Earth Surface Processes</i>

Human Geography

GEOP111	<i>Geographies of Global Change</i>
GEOP212	<i>Planning and Development</i>
GEOP215	<i>Geographies of Development</i>
GEOP219	<i>Urban Dynamics: Population, Housing and Economy</i>
GEOP262	<i>The Ecological Humanities: Australians and their Environment</i>

Suggested Pattern of Study - [Geography Major \(GEO18V1\)](#)

Year 1 Session 1		Year 1 Session 2	
EDUC105	3 cp	EDUC106	3 cp
ENVS117 or GEOS112 or GEOP111*	3 cp	ENV118	3 cp
2 nd Subject Content	3 cp	2 nd Subject Content	3 cp
Elective [People or Planet]	3 cp	Elective [People or Planet]	3 cp
Year 2 Session 1		Year 2 Session 2	
EDUC264 or EDUC2XX	3 cp	EDUC262 or EDUC2XX	3 cp
ENVS2XX or GEOP2XX	3 cp	ENV267	3 cp
2 nd Subject Content	3 cp	2 nd Subject Content	3 cp
Elective	3 cp	EDUC267	3 cp
Year 3 Session 1		Year 3 Session 2	
TEP387	3 cp	TEP388	3 cp
ENVS3XX**	3 cp	ENVS362 [CAPSTONE]	3 cp
GEOP3XX**	3 cp	GEOP3XX**	3 cp
EDUC2XX OR EDUC3XX	3 cp	EDTE302	3 cp
Year 4 Session 1		Year 4 Session 2	
TEP401	3 cp	TEP402	3 cp
TEP425	3 cp	TEP426	3 cp
TEP4XX Second Subject Methodology or EDUC3XX	3 cp	TEP4XX Second Subject Methodology or EDUC3XX	3 cp
Elective	3 cp	TEP248	3 cp

* *Strongly recommended*

** Units must be selected from a specified range; refer to the University Handbook.

Note The Geography major may be undertaken in either the BABEd(Secondary) or the BScBEEd(Secondary). Those students enrolled in the BScBEEd(Secondary) must include a minimum of 42 credit points designated as Science in their program.

Suggested Pattern of Study - [Human Geography Major \(HUG18V1\)](#)

Year 1 Session 1		Year 1 Session 2	
EDUC105	3 cp	EDUC106	3 cp
GEOP111	3 cp	GEOP2XX	3 cp
2 nd Subject Content	3 cp	2 nd Subject Content	3 cp
Elective [People or Planet]	3 cp	Elective [People or Planet]	3 cp
Year 2 Session 1		Year 2 Session 2	
EDUC264 or EDUC2XX	3 cp	EDUC262 or EDUC2XX	3 cp
ENV2XX or GEOP2XX	3 cp	ENV2XX or GEOP2XX	3 cp
2 nd Subject Content	3 cp	2 nd Subject Content	3 cp
Elective	3 cp	EDUC267	3 cp
Year 3 Session 1		Year 3 Session 2	
TEP387	3 cp	TEP388	3 cp
GEOP3XX or GEOP4XX	3 cp	EDTE302	3 cp
GEOP3XX or GEOP4XX	3 cp	GEOP380 [CAPSTONE]	6 cp
Elective	3 cp		
Year 4 Session 1		Year 4 Session 2	
TEP401	3 cp	TEP402	3 cp
TEP425	3 cp	TEP426	3 cp
TEP4XX Second Subject Methodology or EDUC3XX	3 cp	TEP4XX Second Subject Methodology or EDUC3XX	3 cp
EDUC2XX OR EDUC3XX	3 cp	TEP248	3 cp

Note The Human Geography major may be undertaken in either the BABEd(Secondary) or the BScBEEd(Secondary). Those students enrolled in the BScBEEd(Secondary) must include a minimum of 42 credit points designated as Science in their program.

4.4.3 History

TEP427 and TEP428 History in the Secondary School I and II are the required methodology units for teaching History (both Ancient and Modern) in NSW Secondary Schools.

4.4.3.1 History as a first teaching subject

For History as a first teaching subject, most undergraduate students will complete an academic major in either Modern History or Ancient History, as outlined below:

Qualifying Major	Accreditation to Teach
Modern History (MHS18V1)	This Qualifying Major will give you accreditation with the NESA to teach Modern History as first teaching subject.
Ancient History – Egypt and Near East (AHE18V1)	This Qualifying Major will give you accreditation with the NESA to teach Ancient History as first teaching subject.
Ancient History – Greece, Rome and Late Antiquity (AHG18V1)	This Qualifying Major will give you accreditation with the NESA to teach Ancient History as first teaching subject.

To meet expectations of prospective employers, students with Ancient History or 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
- Geography
- Business Studies
- Economics
- Legal Studies
- 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.

4.4.3.2 History as a second teaching subject

For History as a second teaching subject, students must complete at least two years (four units, 12 cp) of degree level study in either Modern History or Ancient History with at least two units at 200 level or above as follows:

Modern History – relevant areas of study	Ancient History – relevant areas of study
<ul style="list-style-type: none">- Australian history- Contact and Aboriginal history- Early modern history- Historiography- Modern History	<ul style="list-style-type: none">- Ancient history- Archaeology- Historiography

4.4.3.3 Recommended elective units

Given that all History teachers will be expected to teach Australian History it is strongly recommended that students include at least one of the following units as part of the major in Modern History. For students undertaking a major in Ancient History, it is strongly recommended to include at least one of the following units as an elective in their program:

- MHIS114 *The World Since 1945: An Australian Perspective*
- MHIS209 *Australian History since 1901*
- MHIS301 *Indigenous-Settler Histories: Comparative Contexts.*

Suggested Pattern of Study - Ancient History - [Egypt and Near East Major \(AHE18V1\)](#) with a second teaching subject

Year 1 Session 1		Year 1 Session 2	
EDUC105	3 cp	EDUC106	3 cp
AHIS150	3 cp	2 nd Subject Content	3 cp
AHIS170	3 cp	Elective [People or Planet]	3 cp
2 nd Subject Content	3 cp	Elective [People or Planet]	3 cp
Year 2 Session 1		Year 2 Session 2	
EDUC264 or EDUC2XX	3 cp	EDUC262 or EDUC2XX	3 cp
AHIS2XX	3 cp	AHIS2XX	3 cp
2 nd Subject Content	3 cp	2 nd Subject Content	3 cp
Elective	3 cp	EDUC267	3 cp
Year 3 Session 1		Year 3 Session 2	
TEP387	3 cp	TEP388	3 cp
AHIS3XX	3 cp	AHIS3XX	3 cp
AHIS3XX	3 cp	AHIS399 [CAPSTONE]	3 cp
EDUC2XX or EDUC3XX	3 cp	EDTE302	3 cp
Year 4 Session 1		Year 4 Session 2	
TEP401	3 cp	TEP402	3 cp
TEP427	3 cp	TEP428	3 cp
TEP4XX Second Subject Methodology or EDUC3XX	3 cp	TEP4XX Second Subject Methodology or EDUC3XX	3 cp
Elective	3 cp	TEP248	3 cp

Given that all History teachers will be expected to teach Australian History it is strongly recommended that students with a qualifying major in Ancient History include at least one of the following units as an elective in their program:

- MHIS114 *The World Since 1945: An Australian Perspective*
- MHIS209 *Australian History since 1901*
- MHIS301 *Indigenous-Settler Histories: Comparative Contexts*

Suggested Pattern of Study - [Ancient History - Greece, Rome Late Antiquity Major \(AHG18V1\)](#)

Year 1 Session 1		Year 1 Session 2	
EDUC105	3 cp	EDUC106	3 cp
AHIS1XX	3 cp	AHIS1XX	3 cp
2 nd Subject Content	3 cp	2 nd Subject Content	3 cp
Elective [People or Planet]	3 cp	Elective [People or Planet]	3 cp
Year 2 Session 1		Year 2 Session 2	
EDUC264 or EDUC2XX	3 cp	EDUC262 or EDUC2XX	3 cp
AHIS2XX	3 cp	AHIS2XX	3 cp
2 nd Subject Content	3 cp	2 nd Subject Content	3 cp
Elective	3 cp	EDUC267	3 cp
Year 3 Session 1		Year 3 Session 2	
TEP387	3 cp	TEP388	3 cp
AHIS3XX	3 cp	AHIS3XX	3 cp
AHIS3XX	3 cp	AHIS339 [CAPSTONE]	3 cp
EDUC2XX or EDUC3XX	3 cp	EDTE302	3 cp
Year 4 Session 1		Year 4 Session 2	
TEP401	3 cp	TEP402	3 cp
TEP427	3 cp	TEP428	3 cp
TEP4XX Second Subject Methodology or EDUC3XX	3 cp	TEP4XX Second Subject Methodology or EDUC3XX	3 cp
Elective	3 cp	TEP248	3 cp

Given that all History teachers will be expected to teach Australian History it is strongly recommended that students with a qualifying major in Ancient History include at least one of the following units as an elective in their program:

- MHIS114 *The World Since 1945: An Australian Perspective*
- MHIS209 *Australian History since 1901*
- MHIS301 *Indigenous-Settler Histories: Comparative Contexts*

Suggested Pattern of Study - [Modern History Major \(MHS02\)](#) with a second teaching subject

Year 1 Session 1		Year 1 Session 2	
EDUC105	3 cp	EDUC106	3 cp
MHIS1XX	3 cp	MHIS114** or MHIS115**	3 cp
2 nd Subject Content	3 cp	2 nd Subject Content	3 cp
Elective [People or Planet]	3 cp	Elective [People or Planet]	3 cp
Year 2 Session 1		Year 2 Session 2	
EDUC264 or EDUC2XX	3 cp	EDUC262 or EDUC2XX	3 cp
MHIS2XX	3 cp	MHIS2XX	3 cp
2 nd Subject Content	3 cp	2 nd Subject Content	3 cp
Elective	3 cp	EDUC267	3 cp
Year 3 Session 1		Year 3 Session 2	
TEP387	3 cp	TEP388	3 cp
MHIS3XX	3 cp	MHIS3XX	3 cp
MHIS3XX	3 cp	MHIS300 [CAPSTONE]	3 cp
EDUC2XX or EDUC3XX	3 cp	EDTE302	3 cp
Year 4 Session 1		Year 4 Session 2	
TEP401	3 cp	TEP402	3 cp
TEP427	3 cp	TEP428	3 cp
TEP4XX Second Subject Methodology or EDUC3XX	3 cp	TEP4XX Second Subject Methodology or EDUC3XX	3 cp
Elective	3 cp	TEP248	3 cp

** Strongly recommended

Given that all History teachers will be expected to teach Australian History it is strongly recommended that students include at least one of the following units as part of the major in Modern History:

- MHIS114 *The World Since 1945: An Australian Perspective*
- MHIS209 *Australian History since 1901*
- MHIS301 *Indigenous-Settler Histories: Comparative Contexts*

4.4.4 Legal Studies (second teaching subject only)

EDTE410 Social Sciences in the Secondary School I and TEP441 Legal Studies in the Secondary School I are the required methodology units for teaching Legal Studies in NSW Secondary Schools.

These units are intended for students who wish to be teachers of Legal Studies in the secondary school. Legal Studies is available only as a second teaching subject and must be combined with a first teaching subject.

The expected prior knowledge for EDTE410 is at least two years (4 units) of degree level study in social sciences with no more than two units at 100 level including legal studies. Meeting this requirement at Macquarie may require the student to obtain special permission to enrol in the required units from Coordinator/Director of Undergraduate Studies in the relevant department.

Students wishing to enrol in this unit must contact the unit convenor for academic advice.

Note: It is not possible to select both Legal Studies and Society and Culture as second teaching subjects.

4.4.5 Society and Culture (second teaching subject only)

EDTE410 Social Sciences in the Secondary School I and TEP440 Society and Culture in the Secondary School I are the required methodology units for teaching Society and Culture in NSW Secondary Schools.

These units are intended for students who wish to become teachers of Society & Culture in the senior secondary school. Society and Culture is available only as a second teaching subject and must be combined with a first teaching subject such as History, Geography, Economics, Business Studies or Languages.

To meet the NESA minimum criteria for accreditation as a Society & Culture teacher, students must successfully complete a minimum of four units, with no more than two units at 100 level as follows:

- Sociology (a minimum of one unit at any level is **required**)

Remaining units may be drawn from areas such as

- | | |
|--------------------------------------|------------------------|
| - Aboriginal studies | - History |
| - Anthropology | - Media studies |
| - Archaeology | - Philosophy |
| - Asian or Pacific studies | - Politics |
| - Civics | - Psychology |
| - Cultural studies (excluding drama) | - Religion studies |
| - Government | - Social communication |

Units with the following prefixes may satisfy these requirements: ABST, ANTH, AHIS (archaeology units only), MHIS, PHIL, POL, PSY, PSYC, SOC; as well as some cultural studies units (excluding drama/performance) from the CUL range and Media Studies units from the MAS range.

Units taken to meet the Society and Culture subject content requirements cannot be double-counted towards satisfying the prerequisite requirements of other TEP 400 level units.

Note: It is not possible to select both Legal Studies and Society and Culture as second teaching subjects.

4.5 Languages

TEP431 and TEP432 Languages in the Secondary School I and II are the required methodology units for teaching Languages in NSW Secondary Schools.

4.5.1 Languages as a first teaching subject

For Languages as a first teaching subject, most undergraduate students will complete an academic major in a Language.

4.5.2 Languages as a second teaching subject

For Languages as a second teaching subject, the NESA subject content requirement is to complete a minimum of four units in a language with two units at 200 level or above.

General advice for intending Language teachers

- To ensure a broad background and flexibility when seeking employment, students intending to teach at secondary level should try to complete a double major or major/minor combination in either two languages or one language and another teaching area.

Students with a language as their first teaching subject may wish to consider the following second teaching subject areas:

- Ancient History
- Business Studies
- Economics
- English
- Geography
- Mathematics
- Modern History
- A second language

- Intending Language teachers are encouraged to include units of Linguistics in their program of study units. EDUC260 *Language, Literacy and Learning* is also recommended.

Students intending to pursue a language as a teaching subject are encouraged to go on exchange to the country of their language. The Department of International Studies and Macquarie University's International Office offer a variety of short term programs for study overseas. See http://students.mq.edu.au/opportunities/student_exchange/short_term_programs/ for the list of available programs.

Suggested Pattern of Study - Languages Major

[CHI18V1 Chinese Studies](#)
[CRS18V1 Croatian Studies](#)
[FRE18V1 French and Francophone Studies](#)
[GER18V1 German Studies](#)
[ITL18V1 Italian Studies](#)
[JAP18V1 Japanese Studies](#)
[MGK18V1 Modern Greek Studies](#)
[POS18V1 Polish Studies](#)
[RUS18V1 Russian Studies](#)
[SLA18V1 Spanish and Latin American Studies](#)

Year 1 Session 1		Year 1 Session 2	
EDUC105	3 cp	EDUC106	3 cp
Language unit (any level)	3 cp	Language unit (any level)	3 cp
2 nd Subject Content	3 cp	2 nd Subject Content	3 cp
LING1XX or Elective [People or Planet]	3 cp	LING1XX/2XX or Elective [People or Planet]	3 cp
Year 2 Session 1		Year 2 Session 2	
EDUC264 or EDUC2XX	3 cp	EDUC262 or EDUC2XX	3 cp
Language unit (any level)	3 cp	Language unit (any level)	3 cp
2 nd Subject Content	3 cp	2 nd Subject Content	3 cp
Elective	3 cp	EDUC267	3 cp
Year 3 Session 1		Year 3 Session 2	
TEP387	3 cp	TEP388	3 cp
Language unit 3XX	3 cp	Language unit 3XX	3 cp
Language unit 3XX	3 cp	Language unit 3XX [CAPSTONE]*	3 cp
EDUC2XX or EDUC3XX	3 cp	EDTE302	3 cp
Year 4 Session 1		Year 4 Session 2	
TEP401	3 cp	TEP402	3 cp
TEP431	3 cp	TEP432	3 cp
TEP4XX Second Subject Methodology or EDUC3XX	3 cp	TEP4XX Second Subject Methodology or EDUC3XX	3 cp
Elective	3 cp	TEP248	3 cp

Note: More than 24 credit points may be required for the Language major depending on background in the language – the relevant language academic advisor should be consulted.

Recommended Linguistics units:

- LING111
- LING218
- LING291
- LING325

* Some Languages Capstone units may also be offered in Session 1. Please check the handbook for information.

4.6 English as a Second Language (Specialisation)

TEP442 English as a Second Language in Schools I is the required methodology unit for the ESL specialisation.

This methodology focuses on the principles and practices of teaching English as a Second Language (ESL). It aims to prepare students intending to teach ESL in primary or secondary classrooms. ESL is available as a specialisation and is open to all Secondary Teacher Education Students who satisfy the prerequisites.

Students undertaking TEP442 must have a strong and accurate knowledge of English grammar.

The major emphasis of the unit is on the language needs of the learner in the classroom. Emphasis is also placed on the various language experiences required by second language learners in all subject areas. A wide range of teaching strategies and roles are explored, ranging from facilitator of language across the curriculum to liaison person with relevant community agencies.

- The prerequisites for enrolment in TEP442 are: 6 cp in Linguistics* (LING) units including 3 cp at 200 level or above

and
- The corequisite for enrolment in TEP442 is: enrolment in TEP401

* *Recommended Linguistics units:*

- *LING111*
- *LING218*
- *LING291*
- *LING325*

SECTION 5

THE PROFESSIONAL UNITS

The following sections detail the professional curriculum units for intending secondary teachers. These units are required as part of the BEd(Secondary) component of the double degree program.

5.1 Professional Curriculum (Inclusive Education) Unit – 200 Level

TEP248 Key Competencies in Inclusive Education

This unit in Inclusive Education focuses on three main areas: normalisation and integration; effective teaching procedures; and models of best practice.

Competencies in classroom behaviour management and data-based instruction are addressed. Emphasis is placed on strategies which will equip teachers working in regular classes to design and implement programs of instruction for a diverse range of children with special needs. TEP248 provides a firm foundation for students interested in pursuing further studies in Inclusive Education.

Note: SPED301 *Positive Behaviour Management* is offered as an elective for students with an interest in this area of professional practice. The unit is available to students who have completed 39cp.

5.2 Professional Curriculum (Methodology) Units – 300 Level

TEP387 and TEP388 Curriculum and Instruction in the Secondary School I and II

TEP387 and TEP388, Curriculum and Instruction in the Secondary School I and II are normally taken in the third year of full-time study. TEP387 focuses on issues related to classroom teaching and TEP388 examines a range of educational issues that determine the context in which secondary schools operate.

5.2.1 Prerequisites and Expected Prior Knowledge for enrolment in TEP387

To enrol in TEP387, undergraduate students are expected to have completed:

A minimum of 39 credit points

and

9 Credit points in EDUC subjects including EDUC105 and EDUC106 and EDUC267

and

The minimum relevant units for a first teaching subject and, if required, a second teaching subject

The relevant units which meet this requirement depend upon the intended area of teaching and are outlined in the following table.

Note: Where students satisfy most, but not all, the listed studies for a teaching area they should seek academic advice.

Intending Mathematics teachers: it is strongly recommended that EDUC258 be completed prior to enrolling in TEP387.

ENROLMENT IN TEP387		
MINIMUM EXPECTED PRIOR KNOWLEDGE FOR FIRST AND SECOND TEACHING SUBJECTS		
Teaching Subject	First Teaching Subject	Second Teaching Subject
English	12 cp from the English major including: ENGL120 <i>It is strongly recommended you include the following units:</i> ENGL209 and ENGL205 <i>and</i> 3 credit points in Linguistics	6 cp from the English major including: ENGL120 <i>It is strongly recommended you include the following units:</i> ENGL209 and ENGL205 <i>and</i> 3 credit points in Linguistics
Economics	12 cp from the Economics major including ECON203 <i>and</i> ECON204.	6 credit points in Economics
Business Studies	12 cp from one of the following majors: International Business Marketing Economics Human Resources <i>and</i> BBA102 <i>and</i> ACCG106	6 cp including BBA102 <i>and</i> ACCG106
Geography	12 cp in one of the following majors: Geography Human Geography	6 credit points in Geography units
History	12 cp from one of: Ancient History – Egypt and Near East Ancient History – Greece, Rome and Late Antiquity Modern History	6 cp in Ancient History <i>or</i> 6 cp in Modern History
Mathematics	12 cp from the Mathematics major	6 credit points in Mathematics
Languages	12 credit points from a Language major	6 credit points from a Language major
Science	12 cp from one of the following majors: Biology Chemistry Geology Physics – must include PHYS201 and PHYS202 or PHYS246	Biology – 6 cp in Biology Chemistry– 6 cp in Chemistry Geology – 3 cp in Biology <i>and</i> 3 cp in Geology Physics – 6 cp in Physics <i>A second subject in Science is only available to students undertaking a first teaching subject in Science.</i>
Legal Studies	Not available	6 cp of relevant study in Law or Business Law
Society & Culture	Not available	6 cp of relevant study including 1 unit of Sociology

5.3 Professional Curriculum (Methodology) Units – 400 Level

The sequence TEP387 and TEP388 must be completed before enrolling in the 400 level professional curriculum units. It is expected that you will be enrolled in, or will have completed, an academic major in your first teaching subject.

5.3.1 First Teaching Subject Professional Curriculum Units

In their final year students enrol in one or more of the following unit sequences:

TEP421 and TEP422	Economics and Business Studies in the Secondary School I & II
TEP423 and TEP424	English in the Secondary School I & II
TEP425 and TEP426	Geography in the Secondary School I & II
TEP427 and TEP428	History in the Secondary School I & II
TEP429 and TEP430	Mathematics in the Secondary School I & II
TEP431 and TEP432	Languages in Schools I & II
EDTE433 and EDTE434	Science in the Secondary School I & II

Students who wish to be qualified in two first teaching subjects must have the relevant academic study to meet the NESA requirements and must also complete the appropriate 400 level professional curriculum units.

5.3.2 Second Teaching Subject Professional Curriculum Units

Qualifications in a second teaching subject require the completion of the relevant studies and the completion of the relevant sequence of units listed below. Science is only available as second teaching subjects for students undertaking a first teaching subject in a science.

TEP421 and TEP422	Economics and Business Studies in the Secondary School I & II
TEP423 and TEP424	English in the Secondary School I & II
TEP425 and TEP426	Geography in the Secondary School I & II
TEP427 and TEP428	History in the Secondary School I & II
TEP429 and TEP430	Mathematics in the Secondary School I & II
TEP431 and TEP432	Languages in Schools I & II
EDTE410 Social Sciences in the Secondary School 1 and TEP440 Society and Culture in the Secondary School	
EDTE410 Social Sciences in the Secondary School 1 and TEP441 Legal Studies in the Secondary School I	

5.3.3 Specialisation in ESL Professional Curriculum Unit

Students who wish to obtain a specialisation in English as a Second Language will have the relevant academic studies and complete the following unit:

TEP442 English as a Second Language in Schools I

Students undertaking TEP442 must have a strong and accurate command of English grammar, and be able to explain in simple grammatical terms how it works.

SECTION 6

THE PROFESSIONAL EXPERIENCE UNITS

6.1 Introduction

In the BABEd(Secondary) and the BScEd(Secondary), professional experience is usually undertaken in the final two years of study. Students must complete a minimum of 80 days in schools. The first 20 days are completed while enrolled either TEP387 or TEP388 and the professional experience PACE unit EDTE302. The remaining 60 days are undertaken while enrolled in the 400 level methodology units and the professional experience PACE units TEP401 and TEP402. While in schools, the Teacher Education Student works with, and is supervised by, an experienced Professional Experience (PEX) Supervising Teacher who acts as a mentor.

Macquarie's developmental model of professional experience requires Teacher Education Students to attend schools in both single day and specified 'block' periods. This model enables Teacher Education Students to observe pupils' growth in learning, gain a more comprehensive view of the curriculum in practice and to participate in the life of the school. It also allows sufficient time for Teacher Education Students to reflect on what they see and do, and to relate practice to theory, and theory to practice.

Note: Block periods of professional experience are usually scheduled during University breaks and some block periods may overlap University teaching weeks. These patterns differ from year to year, based on NSW school holidays. Students must ensure they are available for professional experience during these block periods.

When planning a program for Years 3 and 4, students should arrange to have one full day each week free from other formal commitments at the University. This day may be a different day of the week in each half-year. In addition, before committing themselves to other activities in the mid-year break, students must take into account the required timing of the block teaching dates.

Full information about professional experience requirements may be found at <https://students.mq.edu.au/study/faculties-schools-and-colleges/faculty-of-human-sciences/department-of-educational-studies/professional-experience>

6.1.1 EDTE302 Introduction to Professional Experience in the Secondary School

This required unit is undertaken by all intending secondary teachers in conjunction with enrolment in TEP388. Undergraduate students work in a school for at least 20 days. The placement includes single days and required block periods.

EDTE302	
▪ The prerequisites for enrolment are:	A minimum of 39 credit points including EDUC105 and EDUC106 and EDUC267
▪ The corequisite for enrolment is:	Enrolment in TEP387

6.1.2 TEP401 and TEP402 Professional Experience in Secondary School I and II

These required units are undertaken by all intending secondary teachers in conjunction with their secondary methodology units. The placement includes single days and required block periods.

In New South Wales, Teacher Education Students must pass the *Literacy and Numeracy Test for Initial Teacher Education Students* before you can commence your final professional experience placement unit, TEP402. Please refer to Section 1.2.2 of this Guide for further information.

TEP401	
▪ The prerequisite for enrolment is:	EDTE302 (S) and TEP388 (P) <i>and</i>
▪ The corequisite for enrolment is:	3cp from TEP421-EDTE433

TEP402	
▪ The prerequisite for enrolment is:	TEP401 (S) <i>and</i>
▪ The corequisite for enrolment is:	3cp from TEP422-EDTE434

PLAN YOUR OWN PROGRAM WORKSHEET

1st Teaching subject/Qualifying Major _____

2nd Teaching subject(s) _____

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 second teaching subject(s) content requirements:

People Unit:	Faculty:
Planet Unit:	Faculty:

