

# PROGRAM PLAN

## BACHELOR OF EDUCATION (SECONDARY)

**FIRST TEACHING AREA:**  
Science with an Additional Teaching Area or Investigating Science and (Optional) TESOL or Electives

**START DATE:**  
Semester 2, 2020 - 2021

**LOCATION:**  
Callaghan

This Program Plan is an enrolment guide to ensure you are on track to graduate. If at any time you wish to vary from this program plan seek advice from your Academic Program Advisor to ensure you remain on track.

 [PROGRAM HANDBOOK](#)

 [COURSE HANDBOOK](#)

**NAME:**

**STUDENT NO.:**

### ^2020 Changes - Physics Teaching Area:

PHYS1210 and PHYS1220 have been removed from the Physics Directed Course list and added to the Physics Compulsory Course list. To complete the requirements for the Physics Teaching Area, all students must complete 60 units of Compulsory Courses and 20 units of Directed Courses.

YEAR 2 SEMESTER 1	<b>EDUC2102</b> Educational Psychology: Learners and the Learning Process	<b>ABOR3500</b> Aboriginal Education, Policies and Issues	<b>ADDITIONAL TEACHING AREA</b>  ---- OR ----	<b>ADDITIONAL TEACHING AREA</b>  ---- OR ----
	CORE	CORE	<b>INVESTIGATING SCIENCE</b>	<b>INVESTIGATING SCIENCE</b>

**Additional academic and non-academic requirements** in order to progress into second year education (EDUC) courses.

YEAR 3 SEMESTER 1	<b>EDUC1101</b> Curriculum, Assessment and Pedagogy	<b>EDUC2181</b> Managing the Learning Environment	<b>EDUC2196</b> Quality Teaching and Student Learning 7-12	<b>FIRST TEACHING AREA</b> 2000/3000 level
	CORE	CORE	<b>PROFESSIONAL PLACEMENT</b>	

YEAR 4 SEMESTER 1	<b>EDUC3157</b> History, Nature and Practice of Science (20 units)		<b>TESOL</b>  ---- OR ----
	COMPULSORY		<b>ELECTIVE</b>

YEAR 5 SEMESTER 1	<b>EDUC4181</b> Ethical Teaching in Classrooms	<b>EDUC3052</b> Specialist Studies in Science 2	<b>ADDITIONAL TEACHING AREA</b> Compulsory Course ---- OR ---- <b>INVESTIGATING SCIENCE</b> EDUC4110 STEM – an exercise in integration	<b>TESOL</b>  ---- OR ---- <b>ELECTIVE</b>
	CORE	COMPULSORY		

YEAR 1 SEMESTER 2	<b>EDUC1103</b> Schooling, Identity and Society	<b>EDUC1038</b> Foundations of Secondary Education	<b>FIRST TEACHING AREA</b> CHEM, BIOL or ENVS DIRECTED  ---- OR ---- <b>PHYS1210^</b> (Physics major only)	<b>ADDITIONAL TEACHING AREA</b>  ---- OR ---- <b>INVESTIGATING SCIENCE</b>
	CORE	CORE		

**Additional academic and non-academic requirements** in order to progress into second year education (EDUC) courses.

SEMESTER 2	<b>EDUC2200</b> The Future of Teaching and Learning	<b>EDUC2052</b> Specialist Studies in Science 1	<b>FIRST TEACHING AREA</b> CHEM, BIOL or ENVS DIRECTED  ---- OR ---- <b>PHYS1220^</b> (Physics major only)	<b>ADDITIONAL TEACHING AREA</b> Compulsory Course  ---- OR ---- <b>INVESTIGATING SCIENCE</b> EDUC2152
	CORE	COMPULSORY		

SEMESTER 2	<b>EDUC2151</b> Multiliteracies	<b>EDUC3026</b> Special Education	<b>FIRST TEACHING AREA</b> 2000/3000 level	<b>TESOL*</b>  ---- OR ---- <b>ELECTIVE</b>
	CORE	CORE		

SEMESTER 2	<b>EDUC3196</b> Quality Teaching, Equity and Diversity 7-12	<b>ADDITIONAL TEACHING AREA</b>  ---- OR ---- <b>INVESTIGATING SCIENCE</b>	<b>TESOL</b>  ---- OR ---- <b>ELECTIVE</b>
	CORE		

SEMESTER 2	<b>EDUC4197</b> Quality Teaching and Professional Practice 7-12 (30 units)		
	PROFESSIONAL PLACEMENT		

### Important information for students who commenced the program prior to 2021.

There have been changes to the Directed Course list for each Science Teaching Area. In addition, most teaching areas have had changes to compulsory and/or directed courses. Courses completed prior to 2021 will count towards the teaching requirements. You **must** refer to the **transition arrangements** in the Handbook for details of these revisions.

\*Students undertaking TESOL will need to undertake the first compulsory course EDUC1143 in Year 2, Semester 1 as a 50-unit Semester.

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## BACHELOR OF EDUCATION (SECONDARY)

**PROGRAM OPTION:**  
Science with an Additional Teaching Area or Investigating Science and Special Education

**START DATE:**  
Semester 2, 2020 - 2021

**LOCATION:**  
Callaghan

This Program Plan is an enrolment guide to ensure you are on track to graduate. If at any time you wish to vary from this program plan seek advice from your Academic Program Advisor to ensure you remain on track.

 [PROGRAM HANDBOOK](#)  
 [COURSE HANDBOOK](#)

**NAME:**

**STUDENT NO.:**

### ^2020 Changes - Physics Teaching Area:

PHYS1210 and PHYS1220 have been removed from the Physics Directed Course list and added to the Physics Compulsory Course list. To complete the requirements for the Physics Teaching Area, all students must complete 60 units of Compulsory Courses and 20 units of Directed Courses.

YEAR 2 SEMESTER 1	<b>EDUC2102</b> Educational Psychology: Learners and the Learning Process	<b>ABOR3500</b> Aboriginal Education, Policies and Issues	<b>ADDITIONAL TEACHING AREA</b> ---- OR ---- <b>INVESTIGATING SCIENCE</b>	<b>ADDITIONAL TEACHING AREA</b> ---- OR ---- <b>INVESTIGATING SCIENCE</b>
	CORE	CORE		

Additional academic and non-academic requirements in order to progress into second year education (EDUC) courses.

YEAR 3 SEMESTER 1	<b>EDUC1101</b> Curriculum, Assessment and Pedagogy	<b>EDUC2181</b> Managing the Learning Environment	<b>EDUC2196</b> Quality Teaching and Student Learning 7-12	<b>FIRST TEACHING AREA</b> 2000/3000 level
	CORE	CORE	<b>PROFESSIONAL PLACEMENT</b>	

YEAR 4 SEMESTER 1	<b>EDUC3157</b> History, Nature and Practice of Science (20 units)
	<b>COMPULSORY</b>

YEAR 5 SEMESTER 1	<b>EDUC4181</b> Ethical Teaching in Classrooms	<b>EDUC3052</b> Specialist Studies in Science 2	<b>ADDITIONAL TEACHING AREA</b> Compulsory Course ---- OR ---- <b>INVESTIGATING SCIENCE</b> <b>EDUC4110</b> STEM – an exercise in integration	<b>EDUC4063</b> Planning for Teaching in Special Education	<b>WINTER TERM</b> <b>EDUC4064</b> Assessing and Addressing Learning Difficulties
	CORE	COMPULSORY			

### Important information for students who commenced the program prior to 2021.

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\***EDUC4167 Special Education Internship** has been **added** as a Core Course (Internship) option. Students undertaking the Special Education Discipline Depth must complete **EDUC4167** instead of **EDUC4197 Quality Teaching and Professional Practice 7-12**.

YEAR 1 SEMESTER 2	<b>EDUC1103</b> Schooling, Identity and Society	<b>EDUC1038</b> Foundations of Secondary Education	<b>FIRST TEACHING AREA</b> <b>CHEM, BIOL or ENVS DIRECTED</b> ---- OR ---- <b>PHYS1210^</b> (Physics major only)	<b>ADDITIONAL TEACHING AREA</b> ---- OR ---- <b>INVESTIGATING SCIENCE</b>
	CORE	CORE		

Additional academic and non-academic requirements in order to progress into second year education (EDUC) courses.

SEMESTER 2	<b>EDUC2200</b> The Future of Teaching and Learning	<b>EDUC2052</b> Specialist Studies in Science 1	<b>FIRST TEACHING AREA</b> <b>CHEM, BIOL or ENVS DIRECTED</b> ---- OR ---- <b>PHYS1220^</b> (Physics major only)	<b>ADDITIONAL TEACHING AREA</b> Compulsory Course ---- OR ---- <b>INVESTIGATING SCIENCE</b> <b>EDUC2152</b>
	CORE	COMPULSORY		

SEMESTER 2	<b>EDUC2151</b> Multiliteracies	<b>EDUC3026</b> Special Education	<b>FIRST TEACHING AREA</b> 2000/3000 level
	CORE	CORE	

SEMESTER 2	<b>EDUC3196</b> Quality Teaching, Equity and Diversity 7-12	<b>ADDITIONAL TEACHING AREA</b> ---- OR ---- <b>INVESTIGATING SCIENCE</b>	<b>EDUC4002</b> Meet Spec. Needs in Diverse Social and Educ. Context	<b>SUMMER TERM</b> <b>EDUC4065</b> Supporting Behaviour Change
	CORE			

SEMESTER 2	<b>EDUC4167</b> Special Education Internship (30 units)
	<b>PROFESSIONAL PLACEMENT</b>

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To be eligible to graduate make sure you have completed 330 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

- Please also refer to further information found at [Bachelor of Education \(Secondary\) Teaching Area Requirements](#).
- Core courses (including Professional Placement) - 150 units.
- Science First Teaching Area - 80 units (40 units of Compulsory Courses and 40 units of Directed Courses); **and one of the following options:**
  - 40 units of Directed Courses from second science Teaching Area\* and 40 units of Directed Courses from third science Teaching Area and 20 units of Electives; **or**
  - 60 units of Investigating Science Courses and 40 units from **one** of the options below; **or**
  - 60 units of Mathematics Additional Teaching Area courses and 40 units from **one** of the options below; **or**
  - One 60-unit Additional Teaching Area and 40 units from **one** of the options below:
    - 40 units of Directed Courses from second science First Teaching Area; **or**
    - 40 units of TESOL Courses; **or**
    - 40 units of Special Education Courses; **or**
    - 40 units of Electives.
- Students are required to meet [additional academic and non-academic admission requirements](#) throughout the first year of the program to ensure progression into second year education courses.
- \*As a result of shared compulsory courses, students undertaking a *Science* (Biology or Chemistry or Earth and Environmental Science or Physics) First Teaching Area are able to undertake studies in up to three Science teaching areas (see examples below). This option utilises the Additional Teaching Area Courses and Electives to complete the second and third science major directed courses.
- If students wish to take Mathematics courses, please review the information at [Enrolling in Maths](#) to determine which course will complement your previous knowledge.
- Students will need to ensure that they meet the registration requirements for all of their teaching areas.
- Students must complete a minimum of 40 units at all levels (1000, 2000, 3000 and 4000), and can complete a maximum of 120 units at 1000 level.
- The duration of this program is 4 years full time study (40 units per semester) or part time equivalent.
- The maximum time to complete this program is 10 years.
- Graded Honours is available in the Bachelor of Education (Secondary) (Honours) program, for those students who meet the eligibility requirements. Students have the option of transferring after the completion of 160 units in Bachelor of Education (Secondary). Please see [the Bachelor of Education \(Secondary\) \(Honours\) Program Handbook](#) for information about eligibility and application process for that program.



Some courses have assumed knowledge and/or requisites, please refer to the individual [Course Handbook](#). Please refer to the [Program Handbook](#) for specific information on program structure. If you are intending varying from this program plan please seek advice from your [Academic Program Advisor](#).

## PROGRAM PLAN

# BACHELOR OF EDUCATION (SECONDARY)

### Bachelor of Education (Secondary) Accreditation Requirements.

To qualify as a Science (Biology or Chemistry or Earth or Environmental Science or Physics) Teacher in NSW, students must complete 40 units of Compulsory Courses which are consistent across the science majors and 40 units of Directed Courses as specified below:

Teacher	Registration requirements	Teacher	Registration requirements
Chemistry teacher	40 units in Chemistry with 20 units at the 2000 or 3000 level.	Biology teacher	40 units in Biology with 20 units at the 2000 or 3000 level.
Physics Teacher	40 units in Physics with 20 units at the 2000 or 3000 level.	Earth and Environmental Science teacher	30 units in Environmental Science with 20 units at the 2000 or 3000 level and choose 10 units in Biology (any level).

The Investigating Science option is only available to students undertaking a Science Major (Biology or Chemistry or Earth or Environmental Science or Physics). To qualify with Investigating Science for NSW accreditation, students must complete 20 units of Compulsory Investigating Science Courses and 40 units of directed course as specified below:

10 units of Biology  
10 units of Chemistry  
10 units of Earth & Environmental Science  
10 units of Physics.  
(20 units must be at 2000/3000 level).

## PROGRAM PLAN

# BACHELOR OF EDUCATION (SECONDARY)

Examples of Combinations of Teaching Areas with a Science (Biology or Chemistry or Earth or Environmental Science or Physics) as a First Teaching Area.

### Example 1: Three Science Teaching Areas

Combination of three of the following teaching areas: Biology, Chemistry, Earth & Environmental Science, & Physics

40 units of compulsory courses in a science teaching area (consistent across all teaching areas).	40 units of directed courses in a science teaching area.	40 units of directed courses in a second science teaching area.	40 units of directed courses in a third science teaching area.	20 units of elective courses.
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### Example 2: Investigating Science combined with Two Science Teaching Areas

Combination of Investigating Science with *two* of the following teaching areas: Biology, Chemistry, Earth & Environmental Science, & Physics.

40 units of compulsory courses in a science major (consistent across all teaching areas).	40 units of directed courses in a science teaching area.	40 units of directed courses in a second science teaching area.	20 units of compulsory courses for Investigating Science plus 40 units of Directed Courses made up of 10 units of Biology 10 units of Chemistry 10 units of Earth & Environmental Science 10 units of Physics.
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### Example 3: Mathematics and Physics combined with ONE Additional Science Teaching Area

Combination of Mathematics and Physics NESA Teaching Area with *one* of the following teaching areas: Biology, Chemistry, or Earth & Environmental Science.

40 units of compulsory courses in a science teaching area (consistent across all teaching areas).	40 units of directed courses in a Physics teaching area.	40 units of directed courses in a second science teaching area.	60 units of compulsory courses for Mathematics Additional Teaching Area.
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### Example 4: One Science Teaching Area with a non-science Additional Teaching Area

Combination of one of the following teaching areas: Biology, Chemistry, Earth & Environmental Science, & Physics with an Additional Teaching Area and TESOL or Special Education or Electives

40 units of compulsory courses in a science teaching area (consistent across all teaching areas).	40 units of directed courses in a science teaching area.	60 units of courses for Additional Teaching Area.	40 units of TESOL or Special Education or elective courses.
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## PROGRAM PLAN

# BACHELOR OF EDUCATION (SECONDARY)

### Example 5: Two Science Teaching Area with a non-science Additional Teaching Area

Combination of two of the following teaching areas: Biology, Chemistry, Earth & Environmental Science, & Physics with an Additional Teaching Area

40 units of compulsory courses in a science teaching area (consistent across all teaching areas).

40 units of directed courses in a science teaching area.

40 units of directed courses in a second science teaching area.

60 units of courses for Additional Teaching Area.