

PROGRAM PLAN

BACHELOR OF EDUCATION (SECONDARY)

PROGRAM OPTION:
Science with an Additional Teaching Area or Investigating Science and (Optional) TESOL or Electives

START DATE:
Semester 2, 2020

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 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	EDUC2102 Educational Psychology: Learners and the Learning Process CORE	ABOR3500 Aboriginal Education, Policies and Issues CORE	ADDITIONAL TEACHING AREA --- OR --- INVESTIGATING SCIENCE	ADDITIONAL TEACHING AREA --- OR --- INVESTIGATING SCIENCE
	SEMESTER 2	EDUC1103 Schooling, Identity and Society CORE	EDUC1038 Foundations of Secondary Education CORE	MAJOR CHEM, BIOL or ENVS DIRECTED OR PHYS1210^ (Physics major only)	ADDITIONAL TEACHING AREA --- OR --- INVESTIGATING SCIENCE
YEAR 3	SEMESTER 1	EDUC1101 Curriculum, Assessment and Pedagogy CORE	EDUC2181 Managing the Learning Environment CORE	EDUC2196 Quality Teaching and Student Learning 7-12 PROFESSIONAL PLACEMENT	MAJOR 2000/3000 level
	SEMESTER 2	EDUC2200 The Future of Teaching and Learning CORE	EDUC2052 Specialist Studies in Science 1 COMPULSORY	MAJOR CHEM, BIOL or ENVS DIRECTED OR PHYS1220^ (Physics major only)	ADDITIONAL TEACHING AREA Compulsory Course --- OR --- INVESTIGATING SCIENCE EDUC2152
YEAR 4	SEMESTER 1	EDUC2151 Multiliteracies CORE	EDUC3026 Special Education CORE	MAJOR 2000/3000 level	TESOL --- OR --- ELECTIVE
	SEMESTER 2	EDUC3157 History, Nature and Practice of Science (20 units) COMPULSORY	TESOL --- OR --- ELECTIVE	EDUC3196 Quality Teaching, Equity and Diversity 7-12 CORE	ADDITIONAL TEACHING AREA --- OR --- INVESTIGATING SCIENCE
YEAR 5	SEMESTER 1	EDUC4181 Ethical Teaching in Classrooms CORE	EDUC3052 Specialist Studies in Science 2 COMPULSORY	ADDITIONAL TEACHING AREA Compulsory Course --- OR --- INVESTIGATING SCIENCE EDUC4110 STEM – An exercise in Integration	TESOL --- OR --- ELECTIVE
	SEMESTER 2	EDUC4197 Quality Teaching and Professional Practice 7-12 PROFESSIONAL PLACEMENT			

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	SEMESTER 2	EDUC1103 Schooling, Identity and Society CORE	EDUC1038 Foundations of Secondary Education CORE	MAJOR CHEM, BIOL or ENVS DIRECTED OR PHYS1210 [^] (Physics major only)	ADDITIONAL TEACHING AREA --- OR --- INVESTIGATING SCIENCE
YEAR 3	SEMESTER 1	EDUC1101 Curriculum, Assessment and Pedagogy CORE	EDUC2181 Managing the Learning Environment CORE	EDUC2196 Quality Teaching and Student Learning 7-12 PROFESSIONAL PLACEMENT	MAJOR 2000/3000 level
	SEMESTER 2	EDUC2200 The Future of Teaching and Learning CORE	EDUC2052 Specialist Studies in Science 1 COMPULSORY	MAJOR CHEM, BIOL or ENVS DIRECTED OR PHYS1220 [^] (Physics major only)	ADDITIONAL TEACHING AREA Compulsory Course --- OR --- INVESTIGATING SCIENCE EDUC2152
YEAR 4	SEMESTER 1	EDUC2151 Multiliteracies CORE	EDUC3026 Special Education CORE	MAJOR 2000/3000 level	
	SEMESTER 2	EDUC3157 History, Nature and Practice of Science (20 units) COMPULSORY			
YEAR 5	SEMESTER 1	EDUC3196 Quality Teaching, Equity and Diversity 7-12 CORE	ADDITIONAL TEACHING AREA --- OR --- INVESTIGATING SCIENCE	EDUC4002 Meet Spec. Needs in Diverse Social and Educ. Context	
	SEMESTER 2	EDUC4181 Ethical Teaching in Classrooms CORE	EDUC3052 Specialist Studies in Science 2 COMPULSORY	ADDITIONAL TEACHING AREA Compulsory Course --- OR --- INVESTIGATING SCIENCE EDUC4110 STEM – An exercise in Integration	EDUC4063 Planning for Teaching in Special Education WINTER TERM EDUC4064 Assessing and Addressing Learning Difficulties
	SEMESTER 2	EDUC4197 Quality Teaching and Professional Practice 7-12 PROFESSIONAL PLACEMENT			EDUC4065 Supporting Behaviour Change

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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 [B Education \(Secondary\) - Majors](#).
- Core courses (including Professional Placement) - 150 units.
- Science Major (First Teaching Area) - 80 units; and one of the following options:
 - *Second Science Major Directed courses – 40 units and *Third Science Major Directed courses – 40 units and Electives – 20 units; *or*
 - Investigating Science – 60 units; and *Second Science Major Directed courses – 40 units; *or*
 - Mathematics Additional Teaching Area – 60 units; and *Second Science Major Directed courses – 40 units; *or*
 - Additional Teaching Area – 60 units; and one of the following options: TESOL *or* Special Education *or* Electives – 40 units; *or*
- *As a result of shared compulsory courses, students undertaking a *Science* (Biology or Chemistry or Earth and Environmental Science or Physics) major (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 [Program Advisor](#).

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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).

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Examples of Combinations of Teaching Areas with a Science (Biology or Chemistry or Earth or Environmental Science or Physics) as a major (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 major (consistent across all majors).	40 units of directed courses in a science major.	40 units of directed courses in a second science major.	40 units of directed courses in a third science major.	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 majors).	40 units of directed courses in a science major.	40 units of directed courses in a second science major.	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 major (consistent across all majors).	40 units of directed courses in a Physics major.	40 units of directed courses in a second science major.	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 major (consistent across all majors).	40 units of directed courses in a science major.	60 units of courses for Additional Teaching Area.	40 units of TESOL or Special
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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 major (consistent across all majors).

40 units of directed courses in a science major.

40 units of directed courses in a second science major.

60 units of courses for Additional Teaching Area.