

Bachelor of Science/Bachelor of Education (Secondary) 2019 Dual Program

Please ensure that you read and understand the following important information about your program.

The Bachelor of Science/Bachelor of Education (Secondary) program is a four year pre-service teacher qualification that develops specialist teachers across the year levels 7 – 12 (secondary schooling phase).

It is your responsibility to ensure you complete all the requirements for each section of this dual program in order to graduate with both degrees. The following information is designed to help you plan your enrolment to meet this goal. Further information can be found in the Official Rules and Course lists under the **Program Rules and Requirements** link for each program in the Programs and Courses website at: <https://my.uq.edu.au/programs-courses/>.

You are not required to submit this program plan for approval. However, if you have any concerns about meeting degree requirements, especially in the year prior to your Professional Year, please contact the relevant Faculty for advice. For advice on the BSc component of your degree, including advice on majors and courses, please contact the Faculty of Science. For advice on the BEd(Sec) component of your degree, including information on teaching area requirements, please contact the Faculty of Humanities and Social Sciences or the School of Education.

PROGRAM GUIDELINES

The Bachelor of Science/Bachelor of Education (Secondary) dual program consists of the Bachelor of Science which provides the content knowledge for the teaching areas and the Bachelor of Education (Secondary) which provides the skills, knowledge and practical experience required for teacher registration and employment.

Students are required to prepare for two teaching areas. Please consult the teaching areas information at the end of this planner for help in choosing the relevant Science major and minor that will prepare you for your chosen teaching areas. It is very important that you also consult the rules of the Science major and minor you choose to ensure you complete the correct number of introductory, advanced and where applicable, compulsory courses.

Please note: if you are admitted into this dual program mid-year or obtain credit from previous studies you will need to ensure you structure your program so that you are able to enter the final year of Bachelor of Education component in semester one – the final year of the BEd program is a year-long professional year commencing in semester 1 only.

Bachelor of Science Requirements:

32 units from Part A, B and C of the BSc List consisting of:

- 6 units from Part A (Level 1 courses) including SCIE1000 and STAT1201; and
- 14 units from Part B (major) (6 units Level 2 and 8 units late year); and
- 10 units from Part C (minor); and
- 2 units from Part A or B.

- ❖ “Late year” courses means a course at Level 3 or higher.
- ❖ You may only select Science majors and minors that are listed in the Teaching Areas table on page 3.
- ❖ Students must complete all components of the BSc before commencing the Professional (final) Year of the BEd(Sec).

Bachelor of Education (Secondary) Requirements:

32 units from Part A, B and C of the BEd(Sec) List consisting of:

- 16 units from Part A; and
 - 8 units from Part B; and
 - 4 units from Part C; and
 - 4 units from Part C or Part D.
- ❖ Part A teaches issues pertinent to teaching and schooling and is completed in conjunction with the requirements of the BSc degree. Part B (Professional Year) develops professional expertise required for teaching and can only be commenced when BSc and BEd Part A requirements have been met.
 - ❖ This planner is intended as a guide only and is based on current scheduling of courses. Students should note that scheduling can change from year to year. You are advised to check the scheduling for the current year and contact the relevant Faculty for advice if course scheduling has changed.

**Bachelor of Science / Bachelor of Education (Secondary)
2019 Dual Degree Program Structure**

BACHELOR OF SCIENCE		BACHELOR OF EDUCATION	
Note: academic advising is available to assist you with your BSc study plan	Total Units		Total Units
YEAR ONE		YEAR ONE	
Semester 1		Semester 1	
SCIE1000 (Compulsory)	2	EDUC1710 A Sociological Orientation to Education	2
Level 1 prerequisite for major/course for minor	2		
Level 1 prerequisite for major/course for minor	2		
Semester 2		Semester 2	
STAT1201 (compulsory)	2	EDUC1650 Learning and Development for Educators	2
Level 1 prerequisite for major/course for minor	2		
Level 1 prerequisite for major/course for minor	2		
<i>Summer Semester</i>		<i>Summer Semester</i>	
YEAR TWO		YEAR TWO	
Semester 1		Semester 1	
Level 2 course for major/minor	2	EDUC2601 Literacies within and across the Curriculum	2
Level 2 course for major/minor	2		
Level 2 course for major/minor	2		
Semester 2		Semester 2	
Level 2 course for major/minor	2	EDUC2604 Teachers as Educational Innovators and Agents of Change	2
Level 2 course for major/minor	2	EDUC2090 Indigenous Knowledge and Education	2
<i>Summer Semester</i>		<i>Summer Semester</i>	
YEAR THREE		YEAR THREE	
Semester 1		Semester 1	
Remaining units for major/minor <i>Year 3 must include total of 8 units Level 3 for the major</i>	6	EDUC3602 Numeracy across the Curriculum	2
Semester 2		Semester 2	
Remaining units for major/minor <i>Year 3 must include total of 8 units Level 3 for the major</i>	4	EDUC3606 Building Inclusive Secondary Classrooms	2
		EDUC3605 Building Professional Knowledge	2
<i>Summer Semester</i>		<i>Summer Semester</i>	
YEAR FOUR		YEAR FOUR	
		Semester 1	
		EDUC4615 Developing Professional Practice***	2
		EDUC4620 Teachers as Researchers	2
		EDUC4XXX Curriculum Studies course from Part C (year-long course)*	-
		EDUC4XXX Curriculum Studies course from Part C or Part D (year-long course)*	-
		Semester 2	
		EDUC4607 Assessment for Teaching and Learning	2
		EDUC4625 Achieving Professional Engagement	2
		EDUC4XXX Curriculum Studies course from Part C continued (year-long course)	4
		EDUC4XXX Curriculum Studies course from Part C or Part D continued (year-long course)	4
		<i>Summer Semester</i>	
4 units compulsory Part A (SCIE1000 + STAT1201)	32 units	Total	32 units
4 units prerequisites for major			
14 units for major			
10 units for minor			

* *Dependent on teaching areas*
Please Note: Summer Semester is optional

Science Teaching Areas

How to use the table

1. Select two teaching areas
2. Choose a major for your 1st teaching area and a minor for your 2nd teaching area (eg. Biology teaching – Ecology major, plus Chemistry teaching – Chemistry minor)
3. Enrol in required Level 1 courses from both the major and minor BSc course lists (www.uq.edu.au/study)

TEACHING AREAS	SCIENCE MAJORS TO MEET TEACHING AREA (BSC LIST PART B)	SCIENCE MINOR TO MEET TEACHING AREA (BSC LIST PART C)	ADDITIONAL INFORMATION
Biology	<ul style="list-style-type: none"> • Biochemistry and Molecular Biology • Biomedical Science • Ecology • Genetics • Marine Science • Microbiology • Plant Science • Zoology 	Biology	Any remaining units (#) not required for your major and minor may be used to cover biology courses from a different stream of Biology to that of your major/minor. Select courses to gain a range of content knowledge for this teaching area.
Chemistry	<ul style="list-style-type: none"> • Biochemistry and Molecular Biology • Chemistry 	Chemistry	A range of Chemistry courses covering organic, inorganic and physical chemistry is required with a minimum of two courses at Level 3. Biochemistry and materials sciences courses may also be included.
Earth and Environmental Sciences	No major is available in this area	Earth and Environmental Sciences	Provides students with opportunities to explore the theories and evidence that frames our understanding of Earth's origins and history. Courses include environmental systems, sedimentology, stratigraphy and paleoenvironments, climate change and environmental management and global change: problems and prospects.
Digital Technologies	<ul style="list-style-type: none"> • Computer Science 	Information Technology	Select a range of courses that cover topics in social and ethical issues, human-computer interaction, information and intelligent systems, and software and system engineering.
Geography	<ul style="list-style-type: none"> • Geographical Sciences 	Geography	Cover a wide range of Geographical studies. Select courses in both physical and cultural areas, covering topics such as geomorphology, settlement and economic geography, people and the environment, geographical studies of development and Australian geographical inquiries.
Mathematics	<ul style="list-style-type: none"> • Mathematics 	Mathematics	Select courses in pure mathematics (including linear algebra, calculus, complex analysis, differential equations and optimisation) and at least one of the three areas of applied mathematics (eg. Wave mechanics, classical dynamics, modelling, chaos), statistical mathematics (particularly data analysis, statistical inference, probability theory) and computational mathematics (particularly operations research).
Physics	<ul style="list-style-type: none"> • Physics 	Physics	Students taking a Physics major should complete a Mathematics minor to meet the teaching areas of Physics and Maths.
Psychology	<ul style="list-style-type: none"> • Psychology 	Psychology	Psychology is the scientific study of how people behave, think and feel. It is a broad ranging discipline that spans topics including brain function, memory, conscious experience, lifespan development, social behaviour and the full spectrum of functional and dysfunctional behaviour.

Information regarding relevant content for the teaching areas in Queensland can be viewed at <https://www.qcaa.qld.edu.au/>. Follow the link to Senior secondary.