

**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 Courses and Programs website: <http://www.uq.edu.au/study/>.

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 Specialist Teaching Areas. Please consult the Specialist 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 from part A (Level 1 courses) including STAT1201; and
- #14 from part B (Major) (#6 Level 2 and #8 Late year); and
- #10 from part C (Minor); and
- #2 from part A or B

NB “Late year” courses means a course at Level 3 or higher

- ❖ You may only select Science majors and minors that are listed in the 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:***

Part A	#16 units
Part B	#16 units
Total	#32 units

- ❖ 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.

Students must complete all courses in Part A of the Bachelor of Education (Secondary) before commencing the Professional (final) Year. 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)  
2016 Dual Degree Program Structure**

BACHELOR OF SCIENCE		BACHELOR OF EDUCATION	
Major (First teaching area)	Minor + Remaining units (second teaching area)		Total Units #
<b>YEAR ONE</b>		<b>YEAR ONE</b>	
<b>Semester 1</b>		<b>Semester 1</b>	
Level 1 Prereq	2	Level 1 course	2
Level 1 Prereq	2	EDUC1049 Learning Tools for the 21 <sup>st</sup> Century	2
<b>Semester 2</b>		<b>Semester 2</b>	
Level 1 Prereq	2	Level 1 course	2
		STAT1201 (compulsory)	2
EDUC1029 Introduction to Education			2
<i>Summer Semester</i>		<i>Summer Semester</i>	
<b>YEAR TWO</b>		<b>YEAR TWO</b>	
<b>Semester 1</b>		<b>Semester 1</b>	
Level 2 course	2	Level 2 course	2
		EDUC2716 Learning, Mind and Education	2
		EDUC3701 Diversity and Inclusive Education	2
<b>Semester 2</b>		<b>Semester 2</b>	
Level 2 course	2	EDUC2049 Identity, Youth Cultures and Education	2
Level 2 course	2	EDUC2090 Indigenous Knowledge & Education	2
<i>Summer Semester</i>		<i>Summer Semester</i>	
<b>YEAR THREE</b>		<b>YEAR THREE</b>	
<b>Semester 1 (#6)</b>		<b>Semester 1</b>	
Remaining units for major/minor		EDUC3079 Becoming a Professional Educator	2
<b>Semester 2(#6)</b>		<b>Semester 2</b>	
Remaining units for major/minor		EDUC3099 Towards Professional Practice	2
<i>Summer Semester</i>		<i>Summer Semester</i>	
<b>YEAR FOUR – PROFESSIONAL YEAR</b>		<b>YEAR FOUR – PROFESSIONAL YEAR</b>	
		<b>Semester 1</b>	
		EDUC4710 Introduction to Professional Practice	2
		EDUC4700 Teachers as Researchers	1
		EDUC6735 Science: Curriculum Foundation	1
		EDUC6XXX Specialist Teaching Area	1
		EDUC6XXX Specialist Teaching Area	1
		[EDUC6XXX Curriculum Foundations* OR	
		[EDUC6XXX Elective	1
		EDUC6XXX Elective	1
		<b>Semester 2</b>	
		EDUC4715 Professional Practice	2
		EDUC4700 Teachers as Researchers	1
		EDUC6735 Science: Curriculum Foundation	1
		EDUC6XXX Specialist Teaching Area	1
		EDUC6XXX Specialist Teaching Area	1
		[EDUC6XXX Curriculum Foundations* OR	1
		[EDUC6XXX Elective	
		EDUC6XXX Elective	1
		<i>Summer Semester</i>	
#6 Level 1 prerequisites + #14 single major	#10 minor + #2 STAT1201	<b>Total</b>	<b>#32</b>

*\* Dependent on teaching areas*

*Please Note: Summer Semester is optional*

## Specialist Science Teaching Areas

### How to use the table

1. Select two teaching areas
2. Choose a major for your 1<sup>st</sup> teaching area and a minor for your 2<sup>nd</sup> 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](http://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
<b>Biology</b>	<ul style="list-style-type: none"> <li>• Biochemistry and Molecular Biology</li> <li>• Biomedical Science</li> <li>• Ecology</li> <li>• Genetics</li> <li>• Marine Science</li> <li>• Microbiology</li> <li>• Plant Science</li> <li>• Zoology</li> </ul>	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.
<b>Chemistry</b>	<ul style="list-style-type: none"> <li>• Biochemistry and Molecular Biology</li> <li>• Chemistry</li> </ul>	Chemistry	A range of Chemistry courses covering organic, inorganic and physical chemistry is required with a minimum of two courses at level 3. Biochem and materials sciences courses may also be included.
<b>Information Processing and Technology</b>	<ul style="list-style-type: none"> <li>• Computer Science</li> </ul>	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.
<b>Geography</b>	<ul style="list-style-type: none"> <li>• Geographical Sciences</li> </ul>	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.
<b>Mathematics</b>	<ul style="list-style-type: none"> <li>• Mathematics</li> </ul>	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).
<b>Physics</b>	<ul style="list-style-type: none"> <li>• Physics</li> </ul>	Physics	Students taking a Physics major should complete a Mathematics minor to meet the teaching areas of Physics and Maths.
<b>Science 21, Earth and Environmental Science</b>	<ul style="list-style-type: none"> <li>• Archaeological Science</li> </ul>	Science 21	No major will provide the range of content knowledge required to teach Science 21. However, it is expected that students who have Biology, Chemistry or Physics majors would also have appropriate content knowledge to teach Science 21.
<b>Special Needs</b>	<ul style="list-style-type: none"> <li>• Psychology</li> </ul>	Not available	Choose the Cognitive Neuroscience OR the Social and Developmental Psychology streams within the Psychology major.

Information regarding relevant content for the teaching areas in Queensland can be viewed at [www.qsa.qld.edu.au](http://www.qsa.qld.edu.au). Follow the link to P – 12 Syllabuses and Support then Year 11 and 12.