

# 2024 Dual Program Study Planner

## Bachelor of Science / Bachelor of Education (Secondary)



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### Important Information

It is your responsibility to ensure that you complete all the requirements for each component 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.

The Program Requirements, available on [UQ's Programs and Courses](#) website, outline the requirements to complete the dual program.

### Program Guidelines

#### Bachelor of Science (BSc) component:

- Students must complete at least one major and one minor
- Students must complete at least 10 units of courses at level 3 or higher.

#### Bachelor of Education (Secondary) (BEd(Sec)) component:

- Complete 32 units comprising —
  - 16 units for all BEd(Sec) Core Courses
  - 8 units for all BEd(Sec) Professional Year Core Courses
  - 8 units from BEd(Sec) Professional Year Curriculum Studies Courses
- The final year of the BEd(Sec) program is a year-long professional year commencing in semester 1 only.

Please note that you can only commence the BEd (Sec) Professional Year Core Courses and Professional Year Curriculum Studies Courses in Semester 1 of each year, once you have completed all 32 units for the BSc component and 16 units for all BEd(Sec) Core Courses.

Semester 2 commencement of the program is available to domestic students only.

#### Exiting Early

Students exiting early with the Bachelor of Science component of a dual degree must complete the single degree requirements of that component. Please note that the Bachelor of Education (Secondary) can only be completed as a component of a dual program.

#### Global Experience

If you are planning on completing an overseas exchange, you may have to amend this plan. Students who would like an exchange experience in their program are encouraged to seek advice early in their program and be aware of the exchange deadlines: <https://employability.uq.edu.au/global-experiences>.

### Require Further Assistance?

If you require assistance planning your program or have concerns about meeting program requirements, please contact the relevant Faculty for advice:

Program	Faculty	Contact Information
Bachelor of Science	Faculty of Science	<a href="mailto:enquire@science.uq.edu.au">enquire@science.uq.edu.au</a>
Bachelor of Education (Secondary)	Faculty of Humanities and Social Sciences	<a href="mailto:hass@uq.edu.au">hass@uq.edu.au</a>

### Study Planners

1. [Semester 1 Commencement | Full Time Study Planner](#)
2. [Semester 2 Commencement | Full Time Study Planner](#)
3. [Science Teaching Areas](#)

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### Semester 1 Commencement | Full Time Study Planner

	BACHELOR OF SCIENCE			BACHELOR OF EDUCATION (SECONDARY)		
	Course Code	Course Name	Units	Course Code	Course Name	Units
Year 1	Semester 1	<a href="#">SCIE1000</a>	Theory & Practice in Science	2		
		Level 1 Course <sup>1</sup>	Level 1 prerequisite/compulsory for BSc major	2	<a href="#">EDUC1710</a>	A Sociological Orientation to Education
		Level 1 Course <sup>1</sup>	Level 1 prerequisite/compulsory for BSc major	2		
	Semester 2	<a href="#">STAT1201</a> or <a href="#">STAT1301</a>	Analysis of Scientific Data or Advanced Analysis of Scientific Data	2	<a href="#">EDUC1650</a>	Learning and Development for Educators*
		Level 1 Course <sup>1</sup>	Level 1 prerequisite/compulsory for BSc major	2		
		Minor	Course from BSc minor list	2		
Year 2	Semester 1	Level 2 Course	Level 2 course from BSc major list	2	<a href="#">EDUC2601</a>	Literacies within and across the Curriculum**
		Level 2 Course	Level 2 course from BSc major list	2		
		Minor	Course from BSc minor list	2		
	Semester 2	Level 2 Course	Level 2 course from BSc major list	2	<a href="#">EDUC2604</a>	Teachers as Educational Innovators and Agents of Change
		Minor	Course from BSc minor list	2	<a href="#">EDUC2090</a>	Indigenous Knowledge and Education
Year 3	Semester 1	Level 3 Course	Remaining units for major/minor <i>Year 3 must include total of 8 units Level 3 for the major and 2 units Level 3 from minor or BSc course list.</i>	6	<a href="#">EDUC3602</a>	Numeracy across the Curriculum
	Semester 2	Level 3 Course	Remaining units for major/minor <i>Year 3 must include total of 8 units Level 3 for the major and 2 units Level 3 from minor or BSc course list.</i>	4	<a href="#">EDUC3606</a>	Building Inclusive Secondary Classrooms
					<a href="#">EDUC3605</a>	Building Professional Knowledge***

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BACHELOR OF SCIENCE			BACHELOR OF EDUCATION (SECONDARY)		
Course Code	Course Name	Units	Course Code	Course Name	Units
Year 4	Semester 1		<a href="#">EDUC4615</a>	Developing Professional Practice****	2
			<a href="#">EDUC4620</a>	Teachers as Researchers	2
			EDUC4XXX	BEd(Sec) Professional Year Curriculum Studies course (year-long course)	-
			EDUC4XXX	BEd(Sec) Professional Year Curriculum Studies course (year-long course)	-
	Semester 2		<a href="#">EDUC4607</a>	Assessment for Teaching and Learning	2
			<a href="#">EDUC4625</a>	Achieving Professional Engagement****	2
			EDUC4XXX	BEd(Sec) Professional Year Curriculum Studies course (year-long course)	4
			EDUC4XXX	BEd(Sec) Professional Year Curriculum Studies course (year-long course)	4

For the BSc component of the dual program, students completing a single major + minor will require one of the following due to the amount of units required:

- Complete a Level 3 (or higher) course towards the minor; or
- Count 2 units towards both the major and minor requirements (excluding Level 3 courses); or
- Only 2 units of prerequisite courses.

Option (a) is displayed in the study planner above.

<sup>1</sup> If chosen BSc major only requires 2 units of prerequisites, complete course from BSc minor.

\* This course **EDUC1650** includes 5 single days of professional experience

\*\* This course **EDUC2601** includes 10 single days of professional experience held during the semester.

\*\*\* This course **EDUC3605** includes 5 single days of professional experience held during the semester and 10 days (2 week block) of professional experience following the conclusion of exam period

\*\*\*\* Both courses **EDUC4615** and **EDUC4625** includes a 30 days (6 week block) of professional experience

Please refer to the School of Education website for the Professional Experience calendar <https://education.uq.edu.au/current-students/professional-experience>

**Dependent on teaching areas**

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### Semester 2 Commencement | Full Time Study Planner

Year 1	BACHELOR OF SCIENCE			BACHELOR OF EDUCATION (SECONDARY)			
	Course Code	Course Name	Units	Course Code	Course Name	Units	
	Semester 2	<a href="#">STAT1201</a> or <a href="#">STAT1301</a>	Analysis of Scientific Data <b>or</b> Advanced Analysis of Scientific Data	2	<a href="#">EDUC1650</a>	Learning and Development for Educators*	2
		Level 1 Course <sup>1</sup>	Level 1 prerequisite/compulsory for BSc major	2			
Level 1 Course <sup>1</sup>		Level 1 prerequisite/compulsory for BSc major	2				
Year 2	Semester 1	<a href="#">SCIE1000</a>	Theory & Practice in Science	2	<a href="#">EDUC1710</a>	A Sociological Orientation to Education	2
		Level 1 Course <sup>1</sup>	Level 1 prerequisite/compulsory for BSc major	2	<a href="#">EDUC2601</a>	Literacies within and across the Curriculum**	2
	Semester 2	Level 2 Course	Level 2 course from BSc major list	2	<a href="#">EDUC2604</a>	Teachers as Educational Innovators and Agents of Change	2
		Minor	Course from BSc minor list	2	<a href="#">EDUC2090</a>	Indigenous Knowledge and Education	2
Year 3	Semester 1	Level 2 Course	Level 2 course from BSc major list	2	<a href="#">EDUC3602</a>	Numeracy across the Curriculum	2
		Level 2 Course	Level 2 course from BSc major list	2			
		Minor	Course from BSc minor list	2			
	Semester 2	Minor	Course from BSc minor list	2	<a href="#">EDUC3606</a>	Building Inclusive Secondary Classrooms	2
		Level 3 Course	Remaining units for major/minor <i>Must include total of 8 units Level 3 for the major and 2 units Level 3 from minor or BSc course list.</i>	4			
Year 4	Semester 1	Level 3 Course	Remaining units for major/minor <i>Must include total of 8 units Level 3 for the major and 2 units Level 3 from minor or BSc course list.</i>	6			
	Semester 2				<a href="#">EDUC3605</a>	Building Professional Knowledge***	2

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Year 5	Semester 1		<a href="#">EDUC4615</a>	Developing Professional Practice****	2
			<a href="#">EDUC4620</a>	Teachers as Researchers	2
			EDUC4XXX	BEd(Sec) Professional Year Curriculum Studies Course (year-long course)	-
			EDUC4XXX	BEd(Sec) Professional Year Curriculum Studies Course (year-long course)	-
	Semester 2		<a href="#">EDUC4607</a>	Assessment for Learning and Teaching	2
			<a href="#">EDUC4625</a>	Achieving Professional Engagement****	2
			EDUC4XXX	BEd(Sec) Professional Year Curriculum Studies Course (year-long course)	4
			EDUC4XXX	BEd(Sec) Professional Year Curriculum Studies Course (year-long course)	4

For the BSc component of the dual program, students completing a single major + minor will require one of the following due to the amount of units required:

- Complete a Level 3 (or higher) course towards the minor; or
- Count 2 units towards both the major and minor requirements (excluding Level 3 courses); or
- Only 2 units of prerequisite courses.

Option (a) is displayed in the study planner above.

<sup>1</sup> If chosen BSc major only requires 2 units of prerequisites, complete course from BSc minor.

\* This course **EDUC1650** includes 5 single days of professional experience

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\*\*\*\* Both courses **EDUC4615** and **EDUC4625** includes a 30 days (6 week block) of professional experience

Please refer to the School of Education website for the Professional Experience calendar <https://education.uq.edu.au/current-students/professional-experience>

## Science Teaching Areas

Information regarding relevant content for the teaching areas in Queensland can be viewed at [Queensland Curriculum & Assessment Authority](http://www.qcaa.qld.edu.au)



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### 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 and Conservation Biology 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		Science Minors To Meet Teaching Area		Additional Information
Biology	<ul style="list-style-type: none"><li>Biochemistry and Molecular Biology</li><li>Biomedical Science</li><li>Cell Biology</li><li>Ecology and Conservation Biology</li></ul>	<ul style="list-style-type: none"><li>Genetics</li><li>Microbiology</li><li>Plant Science</li><li>Zoology</li></ul>	<ul style="list-style-type: none"><li>Biochemistry and Molecular Biology</li><li>Ecology and Conservation Biology</li><li>Genetics</li><li>Microbiology</li><li>Plant Science</li></ul>	<ul style="list-style-type: none"><li>Cell Biology</li><li>Developmental Biology</li><li>Human Physiology</li><li>Neuroscience</li><li>Pharmacology</li></ul>	Select a range of courses that cover topics such as ecology, ecosystem dynamics, biodiversity, biogeochemical cycles, genetics, plant science, zoology, microbiology, evolutionary biology, cladistics, animal or human physiology, cell biology, biochemistry, chemistry, neuroscience, immunology, virology and epidemiology.
Chemistry	<ul style="list-style-type: none"><li>Chemistry</li></ul>		<ul style="list-style-type: none"><li>Chemistry</li><li>Chemical Biology</li></ul>		A range of Chemistry courses covering organic, inorganic and physical chemistry. Biochemistry and materials sciences courses may also be included.
Earth and Environmental Science	<ul style="list-style-type: none"><li>Earth Science</li><li>Coastal and Ocean Science</li><li>Geographical Sciences</li></ul>		<ul style="list-style-type: none"><li>Earth Science</li><li>Coastal and Ocean Science</li></ul>		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.
Geography	<ul style="list-style-type: none"><li>Geographical Sciences</li></ul>		<ul style="list-style-type: none"><li>Geographical Information Science</li></ul>		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"><li>Mathematics</li><li>Applied Mathematics</li></ul>		<ul style="list-style-type: none"><li>Mathematics</li><li>Applied Mathematics</li></ul>		Students undertaking a major in mathematics should select courses covering a range of areas of mathematics including pure mathematics, applied mathematics, statistical mathematics and computational mathematics.
Physics	<ul style="list-style-type: none"><li>Physics</li></ul>		<ul style="list-style-type: none"><li>Physics</li><li>Astrophysics</li></ul>		Students taking a Physics major must complete an Applied Mathematics minor to meet the teaching areas of Physics and Maths. Students should have completed Queensland Year 12 or equivalent Physics to take the Physics major or minor. The Physics minor can only be undertaken with the Applied Mathematics major or the Mathematics major
Psychology	<ul style="list-style-type: none"><li>Psychology</li></ul>		<ul style="list-style-type: none"><li>Psychology</li></ul>		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.