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 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) component:
- 32 units from the BEd(Sec) List, 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.

Exiting Early

Students exiting early with one component of a dual degree must complete the single degree requirements of that component. Students will then be required to follow the single degree rules to complete the remaining component from that dual degree.

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:

<table>
<thead>
<tr>
<th>Program</th>
<th>Faculty</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Science</td>
<td>Faculty of Science</td>
<td><a href="mailto:enquire@science.uq.edu.au">enquire@science.uq.edu.au</a></td>
</tr>
<tr>
<td>Bachelor of Education</td>
<td>Faculty of Humanities and Social Sciences</td>
<td><a href="https://hass.uq.edu.au/contact">https://hass.uq.edu.au/contact</a></td>
</tr>
</tbody>
</table>

(Secondary) component: |

Study Planners

1. Semester 1 Commencement | Full Time Study Planner
2. Semester 2 Commencement | Full Time Study Planner
3. Science Teaching Areas
## Semester 1 Commencement | Full Time Study Planner

### BACHELOR OF SCIENCE

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCIE1000</td>
<td>Theory &amp; Practice in Science</td>
<td>2</td>
</tr>
<tr>
<td>Level 1 Course¹</td>
<td>Level 1 prerequisite/compulsory for BSc major</td>
<td>2</td>
</tr>
<tr>
<td>Level 1 Course²</td>
<td>Level 1 prerequisite/compulsory for BSc major</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Year 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT1201 or STAT1301</td>
<td>Analysis of Scientific Data</td>
<td>2</td>
</tr>
<tr>
<td>Level 1 Course¹</td>
<td>Level 1 prerequisite/compulsory for BSc major</td>
<td>2</td>
</tr>
<tr>
<td>Minor</td>
<td>Course from BSc minor list</td>
<td>2</td>
</tr>
</tbody>
</table>

### BACHELOR OF EDUCATION (SECONDARY)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC1710</td>
<td>A Sociological Orientation to Education</td>
<td>2</td>
</tr>
<tr>
<td>EDUC1650</td>
<td>Learning and Development for Educators*</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Year 2

**Required Courses**

| Level 2 Course | Level 2 course from BSc major list | 2     |
| Level 2 Course | Level 2 course from BSc major list | 2     |
| Minor          | Course from BSc minor list          | 2     |

### Year 3

**Required Courses**

| Level 3 Course | Remaining units for major/minor Year 3 must include total of 8 units Level 3 for the major and 2 units Level 3 from minor or BSc course list. | 2     |
| Level 3 Course | Remaining units for major/minor Year 3 must include total of 8 units Level 3 for the major and 2 units Level 3 from minor or BSc course list. | 2     |
## 2023 Dual Degree Study Planner
### Bachelor of Science / Bachelor of Education (Secondary)

<table>
<thead>
<tr>
<th>Year 4</th>
<th>BACHELOR OF SCIENCE</th>
<th>BACHELOR OF EDUCATION (SECONDARY)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Course Code</td>
<td>Course Name</td>
</tr>
<tr>
<td>Semester 1</td>
<td>EDUC4615</td>
<td>Developing Professional Practice***</td>
</tr>
<tr>
<td></td>
<td>EDUC4620</td>
<td>Teachers as Researchers</td>
</tr>
<tr>
<td></td>
<td>EDUC4XXX</td>
<td>BEd(Sec) Professional Year Curriculum Studies course (year-long course)</td>
</tr>
<tr>
<td>Semester 2</td>
<td>EDUC4607</td>
<td>Assessment for Teaching and Learning</td>
</tr>
<tr>
<td></td>
<td>EDUC4625</td>
<td>Achieving Professional Engagement***</td>
</tr>
<tr>
<td></td>
<td>EDUC4XXX</td>
<td>BEd(Sec) Professional Year Curriculum Studies course (year-long course)</td>
</tr>
</tbody>
</table>

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

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

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

* This course includes 5 single days of professional experience

** This course 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

*** This course includes 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](https://education.uq.edu.au/current-students/professional-experience)

**Dependent on teaching areas**
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC1650</td>
<td>Learning and Development for Educators*</td>
<td>2</td>
</tr>
<tr>
<td>EDUC1710</td>
<td>A Sociological Orientation to Education</td>
<td>2</td>
</tr>
<tr>
<td>EDUC2601</td>
<td>Literacies within and across the Curriculum</td>
<td>2</td>
</tr>
<tr>
<td>EDUC2604</td>
<td>Teachers as Educational Innovators and Agents of Change*</td>
<td>2</td>
</tr>
<tr>
<td>EDUC2090</td>
<td>Indigenous Knowledge and Education</td>
<td>2</td>
</tr>
<tr>
<td>EDUC3602</td>
<td>Numeracy across the Curriculum*</td>
<td>2</td>
</tr>
<tr>
<td>EDUC3606</td>
<td>Building Inclusive Secondary Classrooms</td>
<td>2</td>
</tr>
<tr>
<td>EDUC3605</td>
<td>Building Professional Knowledge**</td>
<td>2</td>
</tr>
<tr>
<td>EDUC4615</td>
<td>Developing Professional Practice***</td>
<td>2</td>
</tr>
<tr>
<td>EDUC4620</td>
<td>Teachers as Researchers</td>
<td>2</td>
</tr>
<tr>
<td>EDUC4XXX</td>
<td>BEd(Sec) Professional Year Curriculum Studies Course (year-long course)</td>
<td>-</td>
</tr>
<tr>
<td>EDUC4XXX</td>
<td>BEd(Sec) Professional Year Curriculum Studies Course (year-long course)</td>
<td>-</td>
</tr>
<tr>
<td>EDUC4607</td>
<td>Assessment for Learning and Teaching</td>
<td>2</td>
</tr>
<tr>
<td>EDUC4625</td>
<td>Achieving Professional Engagement**</td>
<td>2</td>
</tr>
<tr>
<td>EDUC4XXX</td>
<td>BEd(Sec) Professional Year Curriculum Studies Course (year-long course)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>EDUC4XXX</td>
<td>BEd(Sec) Professional Year Curriculum Studies Course (year-long course)</td>
</tr>
<tr>
<td>-------------------------</td>
<td>----------</td>
<td>-----------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| * This course includes 5 single days of professional experience ** This course 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 *** This course includes 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](https://education.uq.edu.au/current-students/professional-experience)
## 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 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)

<table>
<thead>
<tr>
<th>Teaching Areas</th>
<th>Science Majors To Meet Teaching Area</th>
<th>Science Minors To Meet Teaching Area</th>
<th>Additional Information</th>
</tr>
</thead>
</table>
| Biology                         | • Biochemistry and Molecular Biology  
  • Biomedical Science  
  • Cell Biology  
  • Ecology and Conservation Biology  
  • Genetics  
  • Microbiology  
  • Plant Science  
  • Zoology  
|                                 | • Biochemistry and Molecular Biology  
  • Ecology and Conservation Biology  
  • Genetics  
  • Microbiology  
  • Plant Science  
|                                 | • Cell Biology  
  • Developmental Biology  
  • Human Physiology  
  • Neuroscience  
  • Pharmacology  
| 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                       | • Chemistry  
|                                 | • Chemistry  
  • Chemical Biology  
| Select from 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 Science | • Earth Science  
  • Coastal and Ocean Science  
  • Geographical Sciences  
|                                 | • Earth Science  
  • Coastal and Ocean Science  
| 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                       | • Geographical Sciences  
|                                 | • Geographical Information Science  
<p>| 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. |</p>
<table>
<thead>
<tr>
<th>Mathematics</th>
<th>Mathematics</th>
<th>Mathematics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>Applied Math.</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Physics</td>
<td>Physics</td>
<td>Astrophysics</td>
</tr>
<tr>
<td>Psychology</td>
<td>Psychology</td>
<td>Psychology</td>
</tr>
</tbody>
</table>

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.

Students taking a Physics major should complete a Mathematics minor to meet the teaching areas of Physics and Maths.

Students taking a Computer Science major will not be able to take the Physics minor due to course requirements.

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](https://www.qcaa.qld.edu.au) Follow the link to Senior secondary.