

## Bachelor of Biomedical Sciences (BBSC) - BBiomedSc

QTAC code (Australian and New Zealand applicants): Toowoomba campus: 906901; External: 906905

CRICOS code (International applicants): 098990B

	On-campus~^	External@^+
<b>Start:</b>	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July)
<b>Campus:</b>	Toowoomba	-
<b>Fees:</b>	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
<b>Standard duration:</b>	3 years full-time, 8 years part-time maximum	
<b>Program articulation:</b>	From: <a href="#">Associate Degree of Biomedical Sciences</a>	

### Footnotes

~ Not all courses are available on-campus.

^ Semester 2 entry is only available part-time, therefore is not suitable for international students who wish to study full-time on-campus.

@ The external offering is available to international students residing in Australia but there are mandatory and highly recommended residential schools at a UniSQ campus and block clinical placement in Australia.

+ The external offering is not suitable for international students studying from overseas.

### Contact us

Future Australian and New Zealand students	Future International students	Current students
<a href="#">Ask a question</a> Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: <a href="mailto:study@usq.edu.au">study@usq.edu.au</a>	<a href="#">Ask a question</a> Phone: +61 7 4631 5543 Email: <a href="mailto:international@usq.edu.au">international@usq.edu.au</a>	<a href="#">Ask a question</a> Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: <a href="mailto:usq.support@usq.edu.au">usq.support@usq.edu.au</a>

### Program aims

The Bachelor of Biomedical Sciences aims to provide education and training for a career in biotechnology, medical research, pharmaceutical and diagnostic companies, and public health laboratories. Graduates will have a broad education allowing them to diversify after graduation, including seeking entry via the Graduate Medical School Admissions Test (GAMSAT) into medicine and other professional programs in the allied health sciences. Students will be eligible to apply for membership to professional organisations including [The Australian Society for Microbiology](#), [Australian Society for Biochemistry and Molecular Biology](#) and the [Australian Society for Medical Research](#).

### Program objectives

On completion of the Bachelor of Biomedical Sciences, students should be able to:

- apply a broad and coherent body of theoretical and practical knowledge in the biomedical sciences with in depth knowledge in one or more specialist disciplines.
- collect, organise, analyse and interpret biomedical sciences literature and laboratory data using appropriate experimental, computational, statistical and technological approaches.

- exhibit scientific literacy and oral, written and digital communication skills to explain biomedical sciences concepts to a range of audiences.
- apply practical laboratory and technical skills to generate accurate scientific data.
- work independently or collaboratively in teams to critically and creatively analyse issues and develop appropriate solutions to complex problems across a range of cultural, institutional, national and global contexts.
- demonstrate a working knowledge of ethical, professional and workplace health and safety requirements in research and clinical laboratories.

### **Australian Qualifications Framework**

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

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## **Program fees**

### **Commonwealth supported place**

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a [student contribution amount](#), which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the [Course Fee Schedules](#).

Commonwealth Supported students may be eligible to defer their fees through a Government loan called [HECS-HELP](#).

### **Domestic full f**

Course	Semester(s) offered	Mode
BIO1206 Human Anatomy and Physiology 2 <sup>^</sup>	2,3	ONC, EXT (Semester 3 EXT only)
BIO2118 Systems Physiology and Pharmacology <sup>*</sup>	1	ONC, EXT
BIO2119 Biochemistry of Nutrition	2	ONC, ONL
BIO2218 Concepts in Endocrinology <sup>*</sup>	2	ONC, EXT
BIO2120 Techniques in Comparative Physiology 1 <sup>+</sup>	1	EXT
BIO2220 Techniques in Comparative Physiology 2 <sup>+</sup>	2	EXT
BIO3102 Human Pathophysiology	1	ONL
BIO3103 Applications in Human Tissue Engineering <sup>+</sup>	1	EXT
BIO3201 Extreme Physiology and Pharmacology	2	ONL
BIO3203 Applications in Medical Biotechnology <sup>+</sup>	2	EXT
BIO3207 Cell and Molecular Biology 2 <sup>^</sup>	2	ONC, EXT
SCI3302 Industry Placement <sup>#</sup>	1, 2, 3	ONC, EXT

#### Footnotes

- <sup>^</sup> Highly recommended residential school
- <sup>\*</sup> Highly recommended residential school (ONC students and EXT students attend Residential School)
- <sup>+</sup> Mandatory residential school
- <sup>#</sup> Work placement

#### Approved Courses

Course	Semester(s) offered	Mode
BIO2106 Medical Microbiology and Immunology 2 <sup>~</sup>	2	ONC, EXT
BIO2219 Genetics	2	ONC, ONL
BIO3216 Immunopathology and Clinical Microbiology <sup>~</sup>	2	ONC, EXT
BIO3219 Biochemistry of Human Diseases	1	ONC, ONL

#### Footnotes

- <sup>~</sup> Mandatory residential school (ONC students and EXT students attend Residential School)

#### Required time limits

Students have a maximum of 8 years to complete this program.

#### Minor Studies

Biomedical Sciences studies are designed to enable students to widen their knowledge and perspectives, or to complement their choice of major. Courses must be taken over two levels and should be the same discipline or recognised multi-disciplinary area. Enrolment requirements must be satisfied for any course selection.

### **Electives/Approved courses**

Elective courses enable students to further increase their knowledge and widen their perspectives. Electives may be any UniSQ course. Choice of an elective will depend on the availability of the course(s), timetabling constraints and quotas. Students may consult their Program Director for a recommendation.

### **IT requirements**



