

Associate Degree of Biomedical Sciences (ABSC) - AssocDeg BioMedSc

QTAC code (Australian and New Zealand applicants): Toowoomba campus: 906931; External: 906935

CRICOS code (International applicants): 098991A

	On-campus [^]	External [^] @+
Start:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July)
Campus:	Toowoomba	-
Fees:	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
Standard duration:	2 years full-time, 6 years part-time maximum	
Program articulation:	To:	

Notes:

In 2023 the programs follows the Semester calendar. The [Academic Calendar and Important Dates](#) webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Footnotes

- [^] 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.
⁺ The external offering is not suitable for international students studying from overseas.

Contact us

Future Australian and New Zealand students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Program aims

The Associate Degree of Biomedical Sciences aims to provide education and training for medical technicians and or technical officers to service the public and private medical pathology laboratory industry. A secondary aim is to provide graduates that will be able to play a role in the biomedical arena including research, technical, advisory and commercial roles.

Program objectives

Graduates from the Associate Degree of Biomedical Sciences should be able to:

- apply a broad theoretical and practical knowledge in the medical laboratory sciences.
- collect, organise, analyse and interpret foundational medical laboratory science literature and basic laboratory data using appropriate experimental, computational, statistical and technological approaches.
- exhibit foundational scientific literacy and oral, written and digital communication skills to explain broad medical laboratory science concepts to a range of audiences.
- apply practical laboratory and technical skills to generate accurate scientific data.
- work independently or collaboratively in teams to analyse issues and develop appropriate solutions to 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.

This program is at AQF Qualification Level 06. Graduates at this level will have broad knowledge and skills for paraprofessional/highly skilled work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Program Information Set

View UniSQ's admission criteria, student profiles and a summary of all offers made under [Course Admission Information Set](#) via the QTAC website.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Have achieved a minimum Australian Tertiary Admission Rank (ATAR) of **62.7**, or equivalent qualification.[^]
- English Language Proficiency requirements for Category 2.

Applicants are advised to also note the following:

- [Assumed knowledge](#) expectations: English; General Mathematics
- Recommended prior study: One of Biological Science or Chemistry (Units 3 & 4, C) or equivalent.

All students are required to satisfy the applicable [English language requirements](#).

If students do not meet the English language requirements they may apply to study a University-approved [English language program](#). On successful completion of the English language program, students may be admitted to an award program.

[^] These are determined by the University for specific programs each Semester. The 2023 ATAR and tertiary entrance ranks are based on agreed QTAC schedules which assess formal study at Year 12 or [equivalent level](#), tertiary, preparatory, professional or vocational qualifications or work experience, as detailed in the QTAC Assessment of Qualifications Manual and QTAC Assessor Guidelines.

Adjustment factors may help you get into the program of your choice by increasing your entrance rank. The additional points don't apply to all applicants or all programs. Please read the information about UniSQ's [Adjustment Factors](#) carefully to find out what you may be eligible for.

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 fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the [Course Fee Schedule](#)

Domestic full fee paying students may be eligible to defer their fees through a Government loan called [FEE-HELP](#) provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for [FEE-Help](#).

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the [Course Fee Schedules](#).

Program structure

The program comprises of 16 units including 8 core courses/units.

Required time limits

Students have a maximum of 6 years to complete this program.

Core courses

Course	Semester(s) offered	Mode
BIO1203 Human Anatomy and Physiology 1 ^{£+}	1,3	ONC, EXT (Semester 3 EXT only)
BIO1103 Pathology Studies [#]	1,2	ONC, EXT (Semester 2 EXT only)
CHE1110 Chemistry 1 [*]	1	ONC, EXT
BIO1204 Introduction to Biomedical Sciences ^{**}	1,2	ONC, EXT
BIO1104 Medical Microbiology and Immunology 1 ⁺	2	ONC, EXT
CHE2120 Chemistry 2 [*]	2	ONC, EXT
STA1003 Fundamental Statistics [§]	1,2,3	ONC, ONL (Semester 3 ONL only)
BIO2107 Cell and Molecular Biology 1 [^]	1	ONC, EXT

Footnotes

- £ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024
- + Mandatory residential school for external students
- # Mandatory residential school for external and on-campus students
- * Highly recommended residential school for external students
- ** Semester 1: External students attend mandatory residential school, on-campus students attend mandatory lab classes. Semester 2: External and on-campus students attend mandatory residential school.
- § Unavailable online in S3 2023
- ^ Highly recommended residential school for external and on-campus students

Biomedical Sciences

Course	Semester(s) offered	Mode
BIO1206 Human Anatomy and Physiology 2^{£+}	2,3	ONC, EXT (Semester 3 EXT only)
BIO2118 Systems Physiology and Pharmacology[#]	1	ONC, EXT
BIO2119 Biochemistry of Nutrition	2	ONC, ONL
BIO2218 Concepts in Endocrinology[#]	2	ONC, EXT
BIO2120 Techniques in Comparative Physiology 1[~]	1	EXT
BIO2220 Techniques in Comparative Physiology 2[~]	2	EXT
BIO2106 Medical Microbiology and Immunology 2[#]	2	ONC, EXT
BIO2219 Genetics	2	ONC, ONL

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- ~ Mandatory residential school

IT requirements

For information technology requirements please refer to the [UniSQ minimum computing standards](#).

Residential schools

The attendance requirement of residential schools within this degree is indicated by the following letters: R = Recommended; HR = Highly Recommended; M = Mandatory. To find out more about [residential schools](#), visit the [Residential School Schedule](#) to view specific dates for your degree, or visit the [Policy and Procedure Library](#).

Core Courses

- [BIO1103 Pathology Studies](#)
- [BIO1104 Medical Microbiology and Immunology 1](#)
- [BIO1203 Human Anatomy and Physiology 1](#)
- [BIO1204 Introduction to Biomedical Sciences](#)
- [BIO2107 Cell and Molecular Biology 1](#)
- [CHE1110 Chemistry 1](#)
- [CHE2120 Chemistry 2](#)

Biomedical Sciences

- [BIO1206 Human Anatomy and Physiology 2](#)
- [BIO2106 Medical Microbiology and Immunology 2](#)
- [BIO2118 Systems Physiology and Pharmacology](#)
- [BIO2120 Techniques in Comparative Physiology 1](#)
- [BIO2218 Concepts in Endocrinology](#)
- [BIO2220 Techniques in Comparative Physiology 2](#)

Articulation

The Associate Degree of Biomedical Sciences will articulate into the if students have followed the recommended enrolment pattern.

Credit

Exemptions/credit will be assessed based on the [UniSQ Credit and Exemption Procedure](#).

Enrolment

Progression

Students are advised to consult with student support usq.support@usq.edu.au in situations where their progression is affected either by failure in pre-requisite courses, or where they choose a part-time study pattern.

Recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1								
BIO1103 Pathology Studies [#]	1	1	1	1,2			M	
CHE1110 Chemistry 1 [*]	1	1	1	1			HR	
BIO1203 Human Anatomy and Physiology 1 ^{£+}	1	1	1	1,3			M	
BIO1204 Introduction to Biomedical Sciences ^{**}	1	1,2	1	1,2			M	
BIO1104 Medical Microbiology and Immunology 1 ⁺	1	2	1	2			M	
CHE2120 Chemistry 2 [*]	1	2	1	2			HR	Pre-requisite: CHE1110
BIO2119 Biochemistry of Nutrition	1	2			1	2		Co-requisite: CHE2120
BIO1206 Human Anatomy and Physiology 2 ^{£+}	1	2	1	2,3			M	Pre-requisite: BIO1203
Year 2								
STA1003 Fundamental Statistics [§]	2	1,2			2	1,2,3		Enrolment is not permitted in STA1003 if STA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or under taking the Accounting Major in the BBCM, are not eligible for enrolment.
BIO2107 Cell and Molecular Biology 1 ^{*^}	2	1	2	1			HR	Pre-requisite: CHE2120
BIO2118 Systems Physiology and Pharmacology [#]	2	1	2	1			M	Pre-requisite: BIO1203 Co-requisite: STA2300 or STA1003
BIO2120 Techniques in Comparative Physiology 1 [~]			2	1			M	Co-requisite: BIO2118 and (STA2300 or STA1003)
BIO2106 Medical Microbiology and Immunology 2 [#]	2	2	2	2			M	Pre-requisite: BIO1104
BIO2218 Concepts in Endocrinology [#]	2	2	2	2			M	Pre-requisite: BIO2118
BIO2219 Genetics	2	2			2	2		Pre-requisite: BIO1100 or BIO1101 or BIO1204 or AGR1101
BIO2220 Techniques in Comparative Physiology 2 [~]			2	2			M	Pre-requisite: BIO1204

Footnotes

- # Mandatory residential school for external and on-campus students
- * Highly recommended residential school for external students. Candidates with evidence of Recognised Prior Learning (RPL) may seek exemption from some courses and/or residential schools in the 1st year of the program.
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- *^ Highly Recommended residential school for external and on-campus students
- ~ Mandatory residential school