

Bachelor of Medical Laboratory Science (BMLS) - BMedLabSc New

QTAC code (Australian and New Zealand applicants): External: 906135; Toowoomba campus: 906131

CRICOS code (International applicants): 098992M

	On-campus~^	External@^+
Semester intake:	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:	3 years full-time, 8 years part-time maximum	
Program articulation:	From: Associate Degree of Medical Laboratory Science	

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 USQ 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
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 Phone: +61 7 4631 5543 Email: international@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 Bachelor of Medical Laboratory Science aims to provide education and training for medical scientists to service the public and private pathology laboratory industry. A secondary aim is to provide graduates that will be able to play a role in the biomedical field including research, technical, advisory and commercial roles. Students will be eligible to apply for membership to professional organisations including the Australian Institute of Medical Scientists, 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 Medical Laboratory Science, students should be able to:

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

- exhibit scientific literacy and oral, written and digital communication skills to explain 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 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.

This program is at AQF Qualification Level 07. Graduates at this level will have broad and coherent knowledge and skills for professional 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 USQ'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 Overall Position (OP) **15**, tertiary entrance rank **68** or equivalent qualification.[^]
- Subject pre-requisite: English (4, SA) or equivalent.
- English Language Proficiency requirements for Category 2.

Applicants are advised to also address the following:

- Recommended Prior Study: one of Biological Science, Chemistry or Science21 (4, SA) or equivalent.
- Assumed knowledge expectations: Mathematics A (4, SA).

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 2019 OP 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.

Special admissions may help you get into the program of your choice by increasing your Selection Rank. The additional points don't apply to all applicants or all programs. Please read the information about USQ's [Special Admissions](#) carefully to find out what you may be eligible for.

Requirements for professional experience placements

Practical experience is an integral component of the program and each student is required to undertake and satisfactorily complete 65 days of practical experience in Australia. There is no guarantee of students being able to undertake their placement in a block period.

Progression into practical courses is dependent upon a pass grade in theoretical and other practical courses which have been set as prerequisites.

Applicants must be willing to undertake and submit the requirements of the University of Southern Queensland and Queensland Health for practical placement. Please refer to the applicable [Professional Practice Experience Handbook](#) for Bachelor of Medical Laboratory Science students.

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 Finder](#).

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 Finder](#).

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, via distance education/online. Students are able to calculate the fees for a particular course via the [Course Fee Finder](#).

Program structure

This program comprises of 24 units including 8 core courses/units.

Required time limits

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

Core courses

Course	Semester(s) offered	Mode
BIO1203 Human Anatomy and Physiology 1 *	1,3	ONC, EXT
BIO1103 Pathology Studies	1	ONC, ONL
CHE1110 Chemistry 1 *	1	ONC, EXT
BIO1204 Introduction to Biomedical Sciences *	1	ONC, EXT

BIO1104 Medical Microbiology and Immunology 1*	2	ONC, EXT
CHE2120 Chemistry 2*	2	ONC, EXT
STA2300 Data Analysis	1,2,3	ONC, ONL
BIO2107 Cell and Molecular Biology 1	1	ONC, ONL

Footnotes

* Highly recommended residential school

Major studies

The following 16 compulsory courses are included in the program:

Medical Laboratory Science

Course	Semester(s) offered	Mode
BIO1205 Pathology Clinical Placement 1[^]	2	ONC
BIO2105 Pathology Clinical Placement 2[^]	1	ONC
BIO2106 Medical Microbiology and Immunology 2*	2	ONC, EXT
BIO2108 Haematology 1[~]	1	ONC, EXT
BIO2214 Pathology Clinical Placement 3[^]	2,3	ONC
BIO2215 Clinical Biochemistry 1	2	ONC, ONL
BIO2216 Histopathology and Cytology 1⁺	2	EXT
BIO2217 Transfusion Science⁺	2	EXT
BIO3105 Pathology Clinical Placement 4[^]	1	ONC
BIO3107 Haematology 2	1	ONC, ONL
BIO3108 Histopathology and Cytology 2[~]	1	ONC, EXT
BIO3109 Pathology 1	1	ONC, ONL
BIO3206 Medical Microbiology and Immunology 3[~]	2	ONC, EXT
BIO3207 Cell and Molecular Biology 2	2	ONC, ONL
BIO3209 Pathology 2[~]	2	ONC, EXT
BIO3215 Clinical Biochemistry 2	2	ONL

Footnotes

[^] Clinical placement

* Highly recommended residential school (ONC students and EXT students attend Residential School)

[~] Mandatory residential school (ONC students and EXT students attend Residential School)

⁺ Mandatory residential school

IT requirements

Students should visit the USQ [minimum computing standards](#) to check that their computers are capable of running the appropriate software and versions of Internet web browsers and to check the minimum and recommended standards for software.

Students will need internet access to retrieve course materials, undertake assessment and participate in course online activities.

Residential schools

The attendance requirement of residential schools within this degree is indicated by the following letters: V = Voluntary; O = Optional; C = Compulsory; R = Recommended; HR = Highly Recommended; M = Mandatory. 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

- [BIO1104 Medical Microbiology and Immunology 1](#)
- [BIO1203 Human Anatomy and Physiology 1](#)
- [BIO1204 Introduction to Biomedical Sciences](#)
- [CHE1110 Chemistry 1](#)
- [CHE2120 Chemistry 2](#)

Medical Laboratory Science courses

- [BIO2106 Medical Microbiology and Immunology 2](#)
- [BIO2108 Haematology 1](#)
- [BIO2216 Histopathology and Cytology 1](#)
- [BIO2217 Transfusion Science](#)
- [BIO3108 Histopathology and Cytology 2](#)
- [BIO3206 Medical Microbiology and Immunology 3](#)
- [BIO3209 Pathology 2](#)

Exit points

Students who have successfully completed the first 16 units of the Bachelor of Medical Laboratory Science in accordance with the recommended enrolment pattern may exit with the [AMLS Associate Degree of Medical Laboratory Science](#). Students wishing to undertake this option should consult the Program Coordinator in the School of Health and Wellbeing, Faculty of Health, Engineering and Sciences.

Credit

Exemptions/credit will be assessed based on the [USQ 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

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Major study: Medical Laboratory Science								
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								
BIO1203 Human Anatomy and Physiology 1 *	1	1	1	1,3			HR	
CHE1110 Chemistry 1 *	1	1	1	1			HR	
BIO1103 Pathology Studies	1	1			1	1		
BIO1204 Introduction to Biomedical Sciences *	1	1	1	1			HR	
BIO1104 Medical Microbiology and Immunology 1 *	1	2	1	2			HR	
CHE2120 Chemistry 2 *	1	2	1	2			HR	Pre-requisite: CHE1110
BIO1205 Pathology Clinical Placement 1 ^	1	2						Pre-requisite: BIO1103 Co-requisite: BIO1104
BIO2216 Histopathology and Cytology 1 +			1	2			M	Pre-requisite: BIO1103
Year 2								
STA2300 Data Analysis	2	1,2			2	1,2,3		Enrolment is not permitted in STA2300 if STA8170 or STA3100 has been previously completed.
BIO2105 Pathology Clinical Placement 2 ^	2	1						Pre-requisite: BIO1205
BIO2107 Cell and Molecular Biology 1	2	1			2	1		Pre-requisite: CHE2120
BIO2108 Haematology 1 ~	2	1	2	1			M	Pre-requisite: BIO1103 and BIO1104
BIO2214 Pathology Clinical Placement 3 ^	2	2,3						Pre-requisite: BIO2105
BIO2215 Clinical Biochemistry 1	2	2			2	2		Pre-requisite: BIO1103 and CHE2120
BIO2106 Medical Microbiology and Immunology 2 *	2	2	2	2			HR	Pre-requisite: BIO1104
BIO2217 Transfusion Science			2	2			M	Pre-requisite: BIO1103 and BIO2108
Year 3								
BIO3105 Pathology Clinical Placement 4 ^	3	1						Pre-requisite: BIO2105
BIO3109 Pathology 1	3	1			3	1		Pre-requisite: BIO2106 or BIO2108 or BIO2215 or BIO2216
BIO3107 Haematology 2	3	1			3	1		Pre-requisite: BIO2108 and BIO2217
BIO3108 Histopathology and Cytology 2 ~	3	1	3	1			M	Pre-requisite: BIO2216
BIO3206 Medical Microbiology and Immunology 3 ~	3	2	3	2			M	Pre-requisite: BIO2106
BIO3207 Cell and Molecular Biology 2	3	2			3	2		Pre-requisite: BIO2107
BIO3209 Pathology 2 ~	3	2	3	2			M	Pre-requisite: BIO3109
BIO3215 Clinical Biochemistry 2					3	2		Pre-requisite: BIO2215

Footnotes

* If studied externally, residential school attendance on-campus in Toowoomba is highly recommended. Candidates with evidence of Recognised Prior Learning (RPL) may seek exemption from some courses and/or residential schools in the 1st year of the major.

- ^ Current employees of pathology service providers with a minimum of 2 years full-time or equivalent relevant technical experience may seek exemption from Pathology Clinical Placements courses 1 to 4 on the basis of approved industrial experience. However, for candidates to be eligible for the award of Bachelor of Medical Laboratory Science and who are seeking course credits by exemption must satisfactorily complete a minimum of 8 courses of the BMLS.
- + Mandatory residential school
- ~ Mandatory residential school (ONC students and EXT students attend Residential School)