Bachelor of Biomedical Science (BBMS) - BBioMedSc

QTAC code (Australian and New Zealand applicants): Toowoomba campus: 906341; Distance education: 906345; Fraser Coast campus: 916341

CRICOS code (International applicants): 042222E

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area should consider the

to medicine, such as the pharmaceutical and diagnostic companies. Graduates will have a knowledge base and skills that will fit them for a career in medical research, pathology services, public health laboratories, diagnostic and pharmaceutical industries. They will have a broad education allowing them to diversify after graduation, including seeking entry into professional programs in the health sciences.

Program objectives

Graduates from the Bachelor of Biomedical Science will:

- be able to demonstrate a sound grounding in biological sciences with a major emphasis on human health and disease
- have a working knowledge of the fundamentals of chemistry
- understand the principles underlying key disciplines in biomedical science, in particular in physiology, pharmacology, biochemistry, microbiology, immunology and molecular biology
- be capable of applying these principles to problem-solving
- be capable of interacting with people trained in other disciplines towards the solution of common problems in biomedical science
- possess skill in drawing upon the growing content of knowledge in these disciplines
- have demonstrated competence in laboratory techniques and the use of instrumentation relevant to the biomedical sciences
- have an awareness of the principles of laboratory safety as applicable in the areas studied in the program
- be able to prepare concise, accurate reports of experimental work
- be competent in the use of statistics and data analysis
- be able to use computers to assist them to obtain and analyse data and solve problems in the areas studied in the program
- be able to access appropriate scientific literature and understand and apply the results of scientific research at a level appropriate to a new graduate
- be skilled in the communication of ideas and concepts
- be motivated to sustain life-long learning
- be aware of the social, moral, and legal responsibilities of professional scientists
- be qualified for admission to an appropriate professional body
- possess skills and knowledge that allow successful career diversification on graduation.

Admission requirements

For entry into the Bachelor of Biomedical Science program, applicants will require Queensland Senior School Certificate (Year 12) or equivalent with the following:

- English (four semesters Sound Achievement) or equivalent. International applicants must have met the University's English language requirements or ha

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. You 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. You are able to calculate the fees for a particular course via the Course Fee Finder.

Program structure

To qualify for the award of Bachelor of Biomedical Science, a candidate must complete or be exempted from courses with a total value of at least 24 units according to the following recommended enrolment pattern.

Required time limits

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

Elective courses

Students will also choose four electives at levels 1, 2 or 3 from another area in the Faculty of Sciences or another Faculty, in order to enhance their intended program emphasis, including at least one unit of level three electives, (so that they complete at least eight units of study of level three courses). Suggested elective packages include those from pathophysiology, psychology, physics or microbiology. For students considering Medicine, a choice of the minors below, including physics and psychology, may be preferable:

Pathophysiology Electives:

- BIO3620 (Semester 1)
- BIO3630 (Semester 2).

Physics Electives:

- PHY1104 Physics Concepts 1 (Semester 1) *

* Both courses only offered externally.

- PHY2206 Medical Physics (Semester 2).*

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Psychology Electives:

- PSY1010 Foundation Psychology A (Semester 1 or Semester 3)
- PSY1020 Foundation Psychology B (Semester 1 or Semester 2)
- PSY2020 Motivation and Emotion (Semester 1)
- PSY2030 Developmental Psychology (Semester 2).

Other Electives

- SCI3301 Science Project (Semester 1 or Semester 2)
- BIO3333 Cardiorespiratory and Sports Physiology (Semester 2).

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.

Recommended enrolment pattern

Recommended enrolment pattern for students commencing prior to 2011