Bachelor of Biomedicine

Biomedicine is the study of the sciences which underpin human medicine. The application of these sciences can improve our understanding of human health and create new ways to diagnose and treat diseases.

In this exciting new course you will develop a strong foundation in the biomedical sciences across key fields such as anatomy, physiology, biochemistry, molecular biology, neuroscience, genetics, immunology, and microbiology.

You’ll also receive hands-on laboratory experience and engage with working researchers, building your own medical research skills and developing your communication, problem-solving and critical thinking skills, which are all crucial to the success of a biomedicine graduate across any career path.

The Bachelor of Biomedicine prepares you for a wide range of careers in the health sector, including medical research and laboratory medicine. You will also graduate confident that the skills and knowledge you’ve developed are in high demand across a range of current and future occupations and professional positions.

This course also provides a strong foundation for those looking to undertake postgraduate courses in health-related fields.

COURSE DETAILS

Bachelor of Biomedicine  
CRICOS: 113034F  
Course Code: M3X  
Duration: 3 years  
Intake: Semester 1  
Hobart, Launceston

ENTRY REQUIREMENTS

Admission to undergraduate courses at the University of Tasmania requires completion of qualifications equivalent to Year 12 in Australia; or completion of the Foundation Studies Program.

For more information on entry requirements for this course, visit the online course page at utas.edu.au/courses/m3x

English language requirements

This degree requires an IELTS (Academic) of 6.5, with no individual band less than 6.0.

Some international applicants may need to provide evidence of an approved English language test completed within the last two years.

For full details on our English language requirements visit utas.edu.au/english-language-requirements

Pre-requisite requirements

You must have completed Year 12 Chemistry (or equivalent) to be eligible for an offer in this course.
WHAT YOU CAN STUDY
Your studies include core subjects across a breadth of biomedical sciences, including anatomy, physiology, biochemistry, molecular biology, neuroscience, genetics, immunology, and microbiology. In addition, this degree offers a choice of two majors that provide specialist knowledge and skills in either medical research or medical sciences. You can also choose to study both majors, greatly broadening your career options upon graduation.

Medical Research
This major is ideal for those interested in a career in medical research. You will gain skills and knowledge that underpin advancements in health, learning to understand diseases, and developing tools and treatments for them.

These skills have been highly visible in recent years as researchers across the world have needed to understand the transmission and evolution of COVID, create fast and accurate testing options, and develop safe and effective vaccines.

Through hands-on laboratory experience and engagement with working researchers, you’ll develop your communication, problem-solving, and critical thinking skills, which are all crucial to the success of a researcher. Plus, you’ll master the practical tools and techniques used in the application and translation of biomedical science through contemporary medical research.

Medical Sciences
Medical sciences are at the very heart of healthcare, providing vital results that assist in the diagnosis, monitoring, and treatment of disease.

A particular focus of this major is the application of knowledge and skills to understand how chronic and infectious diseases develop and progress, and the application of this knowledge to develop strategies and technologies for the prevention, diagnosis, and management of these diseases.

During the COVID outbreak, medical scientists were undertaking the tests required to identify the evolving variants, and providing critical input into public health responses. They also worked across the health sector to translate their new discoveries into practice.

Complementary major - Sustainability
As part of our institutional commitment to sustainability, we have created a complementary, optional major that is available across the majority of our flexible Bachelor degrees.

In the major you will explore interdisciplinary knowledge and skills that underpin the development of sustainable societies and solutions. Informed by international and local research, practice, and theory, this major allows you to develop specialist expertise across the physical and social sciences, and humanities, with an emphasis on student-led and problem-based learning. It provides the frameworks for developing sustainability-oriented solutions in a range of fields and is relevant to a wide range of careers.

STUDY HIGHLIGHTS
Our biomedicine course is designed and taught by active medical researchers at the Tasmanian School of Medicine and the School of Health Sciences. It also draws on the expertise of our specialist research and teaching institutes: the Menzies Institute for Medical Research, and the Wicking Dementia Research and Education Centre. As the single university for Tasmania, we provide unparalleled access and connection to the local community, health system, and institutes.

This means that throughout your studies you are learning from experts who are directly engaged with the health sector both locally, nationally, and internationally. We also provide access to the global knowledgebase of research groups, institutes, and organisations through our ongoing collaborations and research.

You’ll develop valuable knowledge, skills and confidence in research methodology, scientific observation, and analysis, and advance your ability to identify and solve problems, think critically, and communicate science to a broad audience.

Learning abroad
Our exchange program allows you to spend up to a year of your degree studying overseas. We have over 150 exchange partners throughout Europe, North America, and Asia. Tuition fees at the host university are waived, and all your studies can be recognised as part of your degree.

A range of scholarships and financial support options are available to help with costs.

UniGO: Global Opportunity Program
Immerse yourself in sustainability projects within the Southeast Asian context with a fully-funded study experience in either Indonesia, Malaysia or Vietnam. This elective unit allows you to progress your degree faster by gaining 25 credit points while travelling for three weeks over your summer break. Plus, we’ll pay for your travel costs.

Learn more at utas.edu.au/unigo

“The diversity of Medical Research enabled me to explore my interests in all fields, build upon and make connections between different areas of study. It also gave me knowledge and a greater understanding of the sciences that serve as a platform for further studies in Medicine.”

Jessica Teoh, Medical Research graduate
CAREER OPPORTUNITIES

The current world-wide health crisis highlights the importance of biomedicine in helping to manage and treat disease on both an individual and population basis. Our course will give you the skills to undertake technical analysis and research to assist medical scientists and clinicians in expanding knowledge, and in the diagnosis, treatment and prevention of disease.

You can apply your expert scientific skills and research findings to develop a better understanding of illnesses and other medical problems, and not be limited to a single professional discipline. With your biomedical skills and knowledge, you can seek out a career in research institutes, university departments, hospitals, pathology laboratories, or pharmaceutical and biomedical companies.

Jobs include working as a medical scientist, medical researcher, geneticist, epidemiologist, and many other medical science professionals. Other opportunities include science communication, advisory roles, policy development, and disease surveillance in industry, government, non-government organisations, and health organisations.

The healthcare industry in Australia is expected to grow by over 15 percent by 2024, and with your skills and knowledge also recognised internationally, you can forge an exciting career here, or in my other locations around the world.

*Department of Employment, Skills, Small and Family Business five year projections from May 2019 to May 2024.

FURTHER STUDY OPTIONS

As a Biomedicine graduate you will have extensive options for your future career and may be eligible to apply for further study in health professional courses. You may also wish to pursue a research career by undertaking a higher degree by research.

SCHOLARSHIPS AND FEES

Our generous scholarship offerings provide full fee-paying international students with a range of opportunities to go towards living and study costs. Some are based on academic merit, and others provide you with support to access university studies.

For many of our international scholarships, you’ll be assessed at the time of submitting your International Student Application, so there is no need to apply separately. Offer letters will notify you if you have been awarded a scholarship.

Find out more about the range of scholarships and support packages on offer in 2024.

Learn more at utas.edu.au/international-scholarships

Learn more at utas.edu.au/courses/m3x

For more information, visit utas.edu.au/study/biomedicine

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For the most up-to-date information please view our website at utas.edu.au | CRICOS 00586B