bachelor of Biomedical Science

Why Biomedical Science at UQ?
Biomedical scientists study how the human body works and what goes wrong in disease, and use this knowledge to develop new treatments. From cancer screening and diagnosing HIV to blood transfusion for surgery, food poisoning and infection control, biomedical scientists are the foundation of modern healthcare. They work in partnership with doctors, nurses and other healthcare professionals to diagnose disease, evaluate the effectiveness of treatment and undertake research into the causes and cures of disease. Biomedical Science at UQ is based on the latest research developments to make sure you’ll graduate with the skills, knowledge and understanding to enter a rewarding career in modern biomedical science.

What you will study
The Bachelor of Biomedical Science will give you foundation skills in chemistry, biology, physics, statistics, and research. In your second and third years, you’ll specialise in a chosen area and have the option to pursue a research project and study abroad. You’ll also work on projects in research labs while on placement to give you first-hand experience that will make you job-ready upon graduation. In your final year you can also pursue Honours and plan and conduct a full-time research project. You can specialise in the following areas during your study:

• Developmental Biology examines how organisms grow and develop and how cells are created, divided and discarded to form a complex organism.
• Human Genetics examines the human genome, the instruction book of life. Each person’s uniqueness is written in his or her genome - it’s their own DNA, and shared evolutionary history with all life on earth.
• Molecular & Cellular Biology examines the molecules inside cells, and how they function. Molecular and cellular biologists study genes, proteins, carbohydrates and lipids, and their contribution to cellular activities and processes.
• Pharmacology & Toxicology examines drugs and their impact on the molecular structure of the human body and how they can be used to treat disease. Pharmacologists and toxicologists study how drugs and their impact on disease. Pharmacologists may develop new drugs and test their impact on the body, and toxicologists investigate the mechanisms of drug action.
• Immunology & Infectious Diseases explores the immune system, which defends our body against pathogens like viruses and bacteria. Immunologists investigate the mechanisms of the immune response.

You can contribute to the ethical debate about how society uses genetic information and be part of future discoveries that will identify the genetic mechanisms that define what we are biologically.

You will have the opportunity to enrol in Honours and postgraduate research degrees, and specialise in a chosen area of biomedical science. Biomedical Science at UQ offers great opportunities for students interested in research careers in academia or other scientific professions that require the analytical and independent thinking and logical reasoning skills.

Your future in biomedical science
Biomedical science is a dynamic profession with excellent career prospects including management, research, education and specialised laboratory work including:
• academia and research in universities, research institutes and hospitals
• technical and scientific roles in research projects
• biotechnology
• laboratory work in molecular and cellular biology
• other scientific professions that require the analytical and independent thinking and logical reasoning skills.

Your postgraduate options
• Honours is available in the final year of study
• Research higher degrees (MPhil and PhD) are also available

Are you an international student?
Standard UQ English language proficiency requirements apply for this degree. You are required as an international student to complete the degree on a full-time basis. See www.uq.edu.au/international for more information.

More information
For further information on Biomedical Science at UQ, visit www.uq.edu.au/sbms

CRICOS No. 00025B

Delivery mode
Internal
Mid-year intake available
Homestay Available in first year of study for domestic students with a satisfactory English level cast at English language level 6.0+ of IELTS
2016 entry score OP 7 / Rank 87 /ATAR 87.00
QTAC code 731301

practical learning
Study Biomedical Science at UQ and get hands-on, practical experience in our onsite state-of-the-art laboratories, allowing you to discover the latest in globally relevant biomedical research.

UQ’s Bachelor of Biomedical Science will give you the theoretical and practical skills for an exciting career in an industry that’s making incredible advances in modern medical science

“Studying Biomedical Sciences at UQ opens opportunities to study a wide range of topics in depth, as well as the breadth of science and health. The range of topics available for study allowed me to tailor my degree and focus on my interests, while preparing for future prospects. I am happy to say that UQ has given me the skills and knowledge that I needed to further my career in science, and in the future I will move towards utilising my degree in genetics and neuroscience, hopefully one day applying what I have learnt to clinical research.”

Lucy, UQ Biomedical Science student.
Read more at www.health.uq.edu.au/careers