



# Bachelor of Science

## Life Sciences Stream

With the UTS Bachelor of Science, students can take their place at the forefront of a profession with the power to build resilience in both humanity and the planet. The life sciences stream allows students to choose from four different majors and a range of sub-majors.

## Major options

### Medical science

Students can explore their interests in the different areas of medical science with this broad major that covers pathology and other medical and health related topics. Pathology subjects are focused on understanding, detecting and treating disease and infection, while medical and health-related content introduces students to the human side of health care. The curriculum spans pharmacology, immunology, haematology and pathophysiology to immunology, microbiology, biochemistry and molecular biology, as well as chemistry and biotech.

### Biotechnology

This major combines subjects in medical and environmental biotechnology, preparing students to drive new innovations in human and planetary health. Using their extensive subject choice options, they can build deep expertise in their chosen discipline or build a broad knowledge base that spans the breadth of the biotech field. As well as getting hands-on with emerging technology, students engage with course content that goes beyond scientific and technical skills development with subjects in biobusiness and intellectual property commercialisation.

### Environmental sciences

This major combines terrestrial, marine and urban biology subjects, equipping students with a broad skill set that prepares them to respond to pressing environmental challenges. Course content combines theoretical learning and lab-based pracs with extensive fieldwork opportunities in locations such as the Blue Mountains, Manly Dam and Royal National Park. Students develop a strong focus on ecosystem preservation, with subjects that emphasise urban resilience, Australian wildlife conservation, environmental protection and management, and molecular biology.

### Flexible

This major gives students massive scope to design their dream science degree. They can choose subjects from across the Life Sciences domain, indulging their interests with a broad selection or building deep expertise in a particular discipline area. This major is a great option for students who aren't quite sure which areas of science to focus on, as well as for those who have a career in mind that requires specific prerequisite knowledge.

## Key information

### Four major options

- Medical science
- Biotechnology
- Environmental sciences
- Flexible

### Location

City campus

### Duration

- 3 years (full time)
- 6 years (part time)

### UAC code

- 607015 (Medical science)
- 607015 (Biotechnology)
- 607011 (Environmental sciences)
- 607001 (Flexible)

### Combine this degree with

Creative Intelligence and Innovation, International Studies, Engineering, Business, Law, Sustainability and Environment, Master of Teaching in Secondary Education

### Course program

Find typical course programs for the Bachelor of Science.

[handbook.uts.edu.au/courses/c10242](https://handbook.uts.edu.au/courses/c10242)

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This flyer is for local students. International students should refer to the International Course Guide or [uts.edu.au/international](https://uts.edu.au/international)



“I have enjoyed every moment of my degree. The lecturers are so passionate about what they do and they pass this passion onto their students.”

### Emily Quinn Smyth

Bachelor of Science

Bachelor of International Studies

## Careers

Bachelor of Science graduates are ready for a vast range of roles across the public and private sectors, as well as teaching and research opportunities within universities, research institutes and other educational organisations.

**Medical science:** Graduates can prepare for roles across the health care sector, including in public and private hospitals; clinical trial and tissue bank settings; public health units; government departments; diagnostic labs; biotechnology, health technology and pharmaceutical companies; medical device companies; policy and regulatory organisations, such as state health departments and the Therapeutic Goods Administration (TGA).

**Biotechnology:** Depending on their study plan, graduates can develop and deploy new vaccines, diagnostics and medicines for pharmaceutical and biotechnology companies, hospitals, pathology and biomedical firms, universities and research institutes; become research associates, consultants, field scientists, microbiologists, conservation officers, environmental officers or consultants, or biotechnologists across a wide range of industries, including government or biosecurity agencies; or design, develop and oversee policy for government and regulatory bodies like the Therapeutic Goods Administration (TGA).

**Environmental sciences:** Graduates can work as scientific officers, research scientists, education officers, environmental officers, parks managers, environmental consultants, policy officers, science communicators or science educators in environmental protection, management or planning organisations, universities and research institutes, tourism and ecotourism bodies, zoos and wildlife parks, government agencies or environmental consulting firms.

**Flexible:** Career options depend on students' individual study plans.

## Course features

### Scientist's toolkit

Complete a series of common core subjects that underpin all undergraduate UTS Science degrees. Data, Design and Decisions and Scientific Perspectives for Global Issues are designed to equip students with a toolkit of technical and workplace skills, preparing them to thrive both at and after uni.

### Internships

Students studying this course have an opportunity to undertake internship subjects and receive academic credit for their placement off campus (an external business or research institute) or on campus (UTS research institutes or departments), in a capacity relevant to their academic studies.

### Other courses

Other UTS Science courses you might be interested in:

Bachelor of Molecular Biotechnology

Bachelor of Advanced Science (Pre-medicine)

Bachelor of Forensic Science (Biology)

Bachelor of Environmental Biology

Bachelor of Marine Biology and Climate Change

### Contact us

Tel: 1300 ASK UTS (1300 275 887)

[ask.uts.edu.au](mailto:ask.uts.edu.au)

Find out more about the Bachelor of Science

