Bachelor of Medical Science

Prepare to create, innovate and implement solutions to the health and medical challenges of today and tomorrow. As a medical science student, you can explore disease detection and treatment or immerse yourself in the people side of the profession.

Course aims

Learn from the leaders in medical science

Connect with hands-on medical science internships, and apply for UTS's rapidly expanding Professional Experience Program. On campus, benefit from the faculty's extensive research and industry connections through co-designed curriculum, guest lectures and industry-relevant projects.

Study in purpose-built facilities

UTS Medical Science students learn in the world-class Hive Super Lab and UTS Science Super Lab, two collaborative, tech-driven learning environments that support simultaneous teaching of multiple classes in one space. Students in the Medical and Health Sciences major can also access the Surgical and Anatomical Science Facility for the ultimate hands-on learning experience.

Major options

There are two majors on offer as part of this degree. Course content is common to both majors throughout first year; from there, students specialise in their preferred area of medical science.

Medical and health-related sciences

Known as the people side of medical science, this major covers pharmacology, immunology, haematology and pathophysiology and their application to critical and emerging areas of the profession. Study personalised medicines, evidence-based medicine processes, and medical devices and diagnostics and emerge ready to deliver new innovations that positively impact human health.

Pathology

This major is focused on the understanding, detection and treatment of disease and infection using industry-standard technologies in immunology, microbiology, biochemistry and molecular biology. Students learn to diagnose disease; investigate the impact of specific pathologies at the molecular, cellular or organ level; and identify, prevent and treat infections, as well as limit their impact on society. Students also gain firsthand experience with a range of blood and tissue testing approaches and biomolecular sensing techniques – skills that are in high demand in the pathology laboratory sector.

Key information

Two major options

Medical and health-related sciences

Pathology

2022 selection rank

Medical and health-related sciences (87.20)

Pathology (83.50)

Location	City campus
Duration	3 years (full time)
	6 years (part time)

UAC code

607051 (Pathology)

607052 (Medical and health-related sciences)

Combine this degree with

Business, International Studies, Law

Course program

Find typical course programs for the Bachelor of Medical Science and learn more about the units of study that make up this degree.

handbook.uts.edu.au/courses/c10184

"This degree allowed me to explore the fascinating science behind the human body, the causes and treatment of disease, and a means to build the foundations for a rewarding career dedicated to improving the health of people."

Jason Elmasri
Bachelor of Medical Science

Careers

Prepare to deliver local and global impact in the health care sector. Graduates have a diversity of career options at their fingertips, including as a medical scientist, medical laboratory technician, consultant/ advisor or science communicator for:

- Public and private hospitals; clinical trial and tissue bank settings; public health units; government departments; diagnostic labs; biotechnology, health technology and pharmaceutical companies; and other agencies/businesses seeking medical science expertise
- Medical device companies or inpatient recruitment for clinical trials
- Policy and regulatory organisations, such as state health departments and the Therapeutic Goods Administration.

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.

Science communication project

In the final year, students complete a science communication project that challenges them to analyse and communicate findings from the medical science literature. This learning helps balance students' scientific expertise with the ability to communicate effectively with diverse audience groups.

Free electives

Students can customise the degree to suit their personal or career aspirations. Enrol in an international exchange, pursue a professional internship, or tailor the degree with a choice of subjects from any UTS faculty.

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 Science (Flexible)

Bachelor of Molecular Biotechnology (Medical biotechnology)

Bachelor of Science (Medical science)

Bachelor of Advanced Science (Pre-medicine)

Bachelor of Advanced Science (Pharmaceutical sciences)

Contact us
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ask.uts.edu.au

Find out more about the Bachelor of Medical Science

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