The University of Western Australia is a science-focused university, internationally renowned for excellence in teaching and research.

The Faculty of Science has a collaborative environment, and its emphasis on shared academic resources and expertise across discipline areas creates a rich and dynamic learning experience.

Master of Biomedical Science with specialisations in

- Biochemistry and Molecular Biology
- Human Biology
- Neuroscience

UWA’s expertise across the range of Biomedical Science disciplines is unequalled!

Biomedical Science encompasses a range of biological, medical and health-related disciplines addressing global biomedical challenges such as obesity, cancer, neurological diseases and cardiovascular disease. Biomedical Science draws on the disciplines of anatomy, physiology, biochemistry and neuroscience and the para-clinical disciplines of microbiology, pathology and pharmacology to understand and treat human disease. Biomedical Science has increasingly embraced the overarching disciplines of human genetics, epigenetics and genomics to understand how gene-environment interactions define the human phenotype in its normal and diseased states.

In this course emphasis is placed on cutting-edge research and its translation to healthy living and to clinical diagnosis and treatment of disease. You are able to focus on advancing your knowledge through coursework or research. The program places strong emphasis on developing research literacy. The course also provides a pathway for graduates without a biomedical science undergraduate major to complete conversion units in a particular specialisation.

Career opportunities

The course provides you with a wide range of career choices in industry (e.g. pharmaceutical companies); in hospital, university and government research laboratories; and in the health industry and government departments that deal with health promotion and related services. Potential career destinations will also be influenced by your specialisation; for example, graduates who specialised in Biochemistry and Molecular Biology are well prepared for a career related to pharmaceutical research and development, whereas those taking a Human Biology specialisation are well prepared for a career in the provision of health services (e.g. an embryologist in a fertility clinic).

The Master of Biomedical Science also provides a pathway to PhD studies for those graduates who complete a research dissertation as part of their course.
Course Structure
You will study the core units of:
- Global Challenges in Biomedical Science
- Advanced Experimental Techniques

and choose one of the three following specialisations providing a focused, advanced learning experience that will enhance career choices. You must complete all core units and specialisation core units. This degree also provides the flexibility to choose from a range of units to complement your specific interests.

- Biochemistry and Molecular Biology: Provides advanced training and studies using new generation biochemistry and molecular biology techniques to understand cellular content, structure, organisation and interactions assessed with state-of-the-art technologies.

- Human Biology: Integrates the understanding of human behaviour and biology across a range of systems, processes and contexts. Units explore human biology from the molecular to the population level of analysis. Topics include reproduction, physiology, embryology and growth, the nervous system, ecology, sleep, public health, behaviour and biosocial interactions.

- Neuroscience: Explores modern neuroscience including the molecules that make up individual nerve cells, the transfer of information from one nerve cell to another, and the complexities of how behaviour, thought and emotions are produced, through studying neurodevelopment and neuroendocrinology.

You may apply to replace the equivalent of half a year’s units with a research project.

Admission requirements
You must have a relevant bachelor’s degree.

English Language Competence
You must demonstrate a minimum level of English Language Competence. See studyat.uwa.edu.au/undergraduate/admission/english

Key information
While the standard timeframe for completion of this degree is two years (full time), if you have previously completed an undergraduate degree in a cognate (related) area it may be possible to complete within 1.5 years.

Example cognate areas are: Anatomy and Human Biology, Physiology, Biochemistry and Molecular Biology, and Neuroscience.

Partial scholarships are available for high achieving international students. See science.uwa.edu.au/courses/scholarships

Intake periods: February and July each year

How to apply
The University of Western Australia
M083, 35 Stirling Highway
Crawley, WA 6009
studyat.uwa.edu.au/applynow

Course enquiries
Email: postgrad-science@uwa.edu.au
Online enquiries: ask.uwa.edu.au
science.uwa.edu.au

International students should also visit international.uwa.edu.au/studentnet/esos which gives more information about the study environment, course fees and refund policy, support services, and schooling obligations for dependent children.

CRICOS Provider Code: 00126G
CRICOS Course Code 083856J