BIOMEDICAL SCIENCES AT CURTIN

When you undertake a postgraduate coursework or research degree in biomedical sciences at Curtin, you join a community who are at the forefront of healthcare and biotechnology innovations.

We offer a friendly, supportive environment to students, staff and visiting scientists and aspire to graduate biomedical scientists of international standing and recognition. Our postgraduate courses include master and doctoral degrees by research as well as coursework master degrees.

BIOMEDICAL SCIENCES FACILITIES
Researchers have access to sophisticated and specialised scientific equipment including:

- a genomic facility (including next generation DNA sequencing, real time PCR)
- LC MS mass spectroscopy
- HPLC
- Biocore T200 instrumentation
- radiosotope counters
- three flow cytometers
- a BD FACsDako cell sorter
- spinning disk and point scanning confocal microscopes
- ultra and high speed centrifuges and cell counting equipment
- advanced microplate readers
- a histopathology suite
- four tissue culture suites
- ovens/autoclaves and sterilisation equipment
- balances, pH-meters
- gel documentation equipment for data analysis and presentation
- a protein expression and purification facility.

WHY STUDY A POSTGRADUATE DEGREE AT CURTIN?

ACCESS NEW KNOWLEDGE AND DISCOVERIES
A Curtin health sciences degree can give you access to knowledge and discoveries to help you improve the standard of healthcare in Australia and make a real difference to people’s lives, locally and globally.

MOVE UP THE CAREER LADDER
A postgraduate course can add new or specialist skills and knowledge to your repertoire. Our postgraduate coursework and research programs are diverse, ranging from life sciences and clinical sciences to population health sciences.

GET AN EDGE IN THE JOB MARKET
A postgraduate qualification may also help you stand out from other candidates in an increasingly competitive job market.

PROFESSIONALLY RECOGNISED
Many of our courses are accredited nationally and are internationally recognised, allowing you to potentially work in a number of countries around the world when you graduate.

WHAT COURSE DO YOU STUDY?
I am currently studying my Doctor of Philosophy (Biomedical Science).

HOW MANY DEGREES DO YOU HAVE – WHAT ARE THEY?
I have one completed degree so far, a Bachelor of Science with First Class Honours (Biomedical Science).

WHAT MADE YOU DECIDE TO UNDERTAKE POSTGRADUATE STUDY?
My first exposure to research was in my undergraduate Human Biology Preclinical degree, in which we undertook a short 12-week research project in pairs. The project gave me the opportunity to experience working in the Curtin Health Innovation Research Institute. After finishing this research unit in my last semester I decided to undertake honours, which entailed a year-long research project. I completed my honours under the supervision of a professor whose lab focuses on metabolism, particularly in the context of diabetes. The other researchers were incredibly supportive, and from my time working with them in the lab, I developed a strong passion for research, which inspired me to continue on with my PhD the following year.

Q&A WITH NIKITA WALZ
Doctor of Philosophy (Biomedical Science)
In this course you will focus on molecular biotechnology, including molecular genetics, bioinformatics, the microbiology and immunology of infectious diseases and stem cell technology. Core units in these topics provide relevant preparation for your applied research training in the second year of the course.

Laboratory classes will help improve your research capabilities and technical skills, such as DNA cloning and sequencing. An advanced laboratory unit and/or individual research projects will further hone your laboratory skills for a professional research environment.

Your practical work may also include real-life situations involving experimental design, technique selection and solving practical problems in the laboratory. Alternatively, project units can be used for biological and medical research at a theoretical level, fostering critical analysis of scientific literature and the formulation of novel hypotheses and research proposals.

You will graduate with the knowledge and practical skills required to work at an advanced level in the biomedical sector and other biotechnology-related industries.

**ADMISSION CRITERIA**

A bachelor degree in a biomedical/life science based discipline or equivalent with a course weighted average of 65 per cent. Graduates from other science disciplines are considered and assessed on an individual basis, but you should have sound knowledge in biochemistry, molecular genetics and microbiology.

**ENGLISH LANGUAGE PROFICIENCY**

This course requires a higher level of English language proficiency. IELTS (Academic) overall band of 7.0 with a minimum of 6.5 in each band (or equivalent English test).

**PROFESSIONAL RECOGNITION**

Graduates are eligible for membership of the Australian Biotechnology Association and equivalent industry organisations internationally.

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"A major reason for pursuing my Master of Biomedical Science stemmed from working in the field of breast cancer clinical trials for several years after completing my bachelor degree. Working with patients in a clinical setting, I realised I needed a deeper understanding of the human body in order to better understand disease processes, with the hope of making a difference in the future.

I want to be involved in research that improves the quality of life and extends the lives of breast cancer patients. Eventually I’d like to run my own research department with the aim to improve our understanding of cancer biology and discover the therapies of the future. I would also like to teach, and I would love to have the opportunity to inspire the scientists of tomorrow."

Naomi Brook
Master of Biomedical Science
FEE INFORMATION

DOMESTIC STUDENTS
TUITION FEES
Your tuition fee is calculated and charged on a semester basis. Indicative course fees for the 2018 commencement year are available at courses.curtin.edu.au. Indicative course fees for the 2019 commencement year will be available from September 2018. For more information on individual unit (subject) fees, visit fees.curtin.edu.au/course_fees.cfm

STUDENT SERVICES AND AMENITIES FEE
Your Student Services and Amenities Fee (SSAF) supports a range of non-academic services and amenities at Curtin. For information on the cost and services covered by the SSAF, visit fees.curtin.edu.au/amenities.cfm

INTERNATIONAL STUDENTS
Tuition fees are based on a normal full-time workload of 100 credits per semester (200 credits per year) unless otherwise stated. If you study more than 100 credits per semester, you will have a higher annual tuition fee. The tuition fee is calculated in Australian dollars and is charged on a semester basis. Course and individual unit (subject) fees are listed at fees.curtin.edu.au/course_fees.cfm

OFFER LETTER (100 CREDITS) FEE
As an international student, you need to pay the fees for your first study period (one semester or 100 credits) before arriving in Australia in order to receive a confirmation of enrolment. The fee quoted on the international offer letter is only an approximation and may differ slightly in accordance with the units you choose to study upon your enrolment.

INDICATIVE ESSENTIAL INCIDENTAL FEES
Some courses require compulsory additional payment for materials and course-related fees, known as essential incidental fees. Some individual units may have optional fees for course materials and other course-related items.

SCHOLARSHIPS
You may be able to apply for a scholarship to support your study. To find out more and sign up to the scholarships email alert, visit scholarships.curtin.edu.au

FEES.CURTIN.EDU.AU/AMENITIES.CFM
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FEES.CURTIN.EDU.AU/COURSE_FEES.CFM

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HOW TO APPLY AND SCHOLARSHIPS

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ENGLISH LANGUAGE PROFICIENCY
Curtin requires all students to demonstrate proficiency in English. You will meet the English language proficiency requirements by demonstrated completion of at least one year full-time of an undergraduate or postgraduate coursework degree at recognised universities in Canada, New Zealand, Republic of Ireland, Singapore, South Africa, United Kingdom or United States of America.
Alternatively, you can demonstrate your English language proficiency via other tests, such as the International English Language Testing System (IELTS) or Test of English as a Foreign Language (TOEFL).
For further information on the postgraduate English language proficiency requirements, visit curtin.edu/pg-english

ADDITIONAL REQUIREMENTS
Health sciences students who will be working with children aged from newborn to 17 need to have a Working With Children Check. Your course coordinator will advise you when this is required. Courses that include supervised practice in a clinical setting require screening for and vaccination against a range of infectious diseases before beginning placement. A recognised first aid certificate and a criminal record screening are also necessary.
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COMMONWEALTH SUPPORTED PLACE
A number of our postgraduate health sciences courses are commonwealth supported. A Commonwealth Supported Place (CSP) is subsidised by the Australian Government and is available to Australian and New Zealand applicants only. For more information about CSPs and whether you are eligible, visit studyassistance.gov.au

EMPLOYER-PAID STUDY
You may be entitled to an income tax deduction for tuition fees and related expenses, if there is a direct connection between your course and your current work. For more information, please consult the Australian Tax Office at ato.gov.au

TAX BENEFITS
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TO APPLY FOR BOTH DOMESTIC AND INTERNATIONAL STUDENTS, VISIT FEES.CURTIN.EDU.AU/AMENITIES.CFM

TO APPLY NOW OR FOR MORE INFORMATION, VISIT fees.curtin.edu.au/research

TO APPLY NOW AND FOR MORE INFORMATION, VISIT curtin.edu/int-apply

TO FIND A THESIS SUPERVISOR AND FOR INFORMATION ON HOW TO APPLY FOR BOTH DOMESTIC AND INTERNATIONAL STUDENTS, VISIT/howtoapply.curtin.edu.au/research

FOR FURTHER INFORMATION ON THE POSTGRADUATE ENGLISH LANGUAGE PROFICIENCY REQUIREMENTS, VISIT curtin.edu/pg-english

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VERIFIED BY CURTIN UNIVERSITY

COURSEWORK DEGREES
To make applying to Curtin as easy as possible, we have put together online guides and services to help you.

DOMESTIC STUDENTS
You are a domestic student if you are:
• an Australian citizen or Australian dual citizen
• a permanent resident of Australia
• a holder of an Australian permanent humanitarian visa
• a New Zealand citizen.
To apply now or for more information, visit curtin.edu/pg-apply

INTERNATIONAL STUDENTS
You are an international student if you are required to hold a student visa to study in Australia. This includes temporary residents, and non-residents of Australia and New Zealand.
To apply now and for more information, visit curtin.edu/int-apply

RESEARCH STUDENTS
To find a thesis supervisor and for information on how to apply for both domestic and international students, visit howtoapply.curtin.edu.au/research
Alternatively, you can contact our Graduate Research School for more information:
Tel: +61 8 9266 3337
Email: GRS_FutureStudents@curtin.edu.au
Web: curtin.edu/postgrad-research

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REFUND AGREEMENT
The categories under which the University Fees Centre will assess an application for refund are laid out in the University’s International Student Refund Agreement. The agreement is supplied to you with your Letter of Offer and can also be accessed online at fees.curtin.edu.au/refunds.cfm, where you can also view the most up-to-date information as the policy is subject to change.