Curtin has a proud 50-year history of providing excellence and innovation in pharmacy teaching and research. With the support of experienced and dedicated teaching staff and modern facilities, we help aspiring pharmacists and researchers to develop knowledge, skills and attributes that are highly valued by national and international employers.

FACILITIES

MODEL PHARMACY

As a Master of Pharmacy student, you can train in a multi-million dollar model pharmacy dispensing system, which allows you to have access to the latest 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 degree 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.

CHANGE YOUR CAREER

A graduate entry master degree can give you the right skills to change careers.

GET AN EDGE IN THE JOB MARKET

A higher degree by research (Master of Philosophy or Doctor of Philosophy) provides high-level thinking and problem-solving skills that are valued by industry, government organisations and academia.

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.

The relevant professional registration board can advise whether your qualification is recognised overseas.
**RESEARCH DEGREES**

Curtin is committed to research excellence and innovation in pharmacy through collaborative links with other research institutions, the pharmaceutical and biotechnology industries, healthcare providers and government. Our staff are research experts with experience in key areas of the pharmaceutical, biological and clinical sciences, as well as the professional practice of pharmacy.

**MASTER OF PHARMACY**

This course has an earlier application deadline: curtin.edu/hs-admission-requirements

### ADMISSION CRITERIA

A relevant bachelor degree or higher and a history of above-average grades. The bachelor degree may be an international qualification in pharmacy assessed by the Australian Pharmacy Council as equivalent to an Australian Bachelor of Pharmacy OR must include evidence of the following five prerequisites: Mathematics (Advanced Mathematics at senior secondary school level is also acceptable) or Physics AND Statistics or Research Methods with evidence of a Statistics component or Epidemiology AND Chemistry AND Biochemistry AND Physiology or Pathophysiology or a related discipline.

You will also be required to provide supplementary information with your application. For more information, visit curtin.edu/hs-admission-requirements

### ENGLISH LANGUAGE PROFICIENCY

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

**ADDITIONAL REQUIREMENTS**

Master of Pharmacy students are registered through the Australian Health Practitioner Regulation Agency (AHPRA). The University must also notify AHPRA if they believe a student on clinical placement may place members of the public at risk as a result of an impairment or criminal history.

Upon graduation, Master of Pharmacy students who intend to practise as a pharmacist in Australia must complete 12 months of supervised practice and pass the Pharmacy Board of Australia’s registration examination in order to become a registered pharmacist.

### PROFESSIONAL RECOGNITION

This course is accredited by the Australian Pharmacy Council.

Graduates are required to complete a pre-registration training period and register as a pharmacist before being able to commence practice in most areas of the profession. Graduates are able to register to practise in all states and territories in Australia and New Zealand.

This course provides a great stepping stone to registration in countries throughout Asia, in the UK and the Republic of Ireland. Some countries may require fulfilment of additional practical training programs.

### CURRICULUM

- First year:
  - Comprehensive theoretical base, including chemical, biological, physiological, pharmaceutical and pharmacotherapeutics studies.
  - Pharmacy practice including developing the knowledge and skills required to work as a pharmacist in the clinical setting.
  - In the field of pharmaceutical science and medicinal chemistry we have expertise in the areas of:
    - skin drug delivery
    - nano drug delivery
    - natural product drug development
    - peptide drug delivery
    - synthetic medicinal chemistry
    - drug discovery for treatment of chronic conditions.
  - Pharmacology and pharmaceutical biology research includes the areas of:
    - experimental cancer therapeutics
    - infection and immunity
    - pharmacology of drug transport proteins
    - pharmacokinetics and pharmacodynamics
    - biometals.
  - Clinical and professional practice and pharmacy education research is currently focused on:
    - community pharmacy practice
    - hospital pharmacy practice
    - quality use of medicines and drug safety
    - technologies in health
    - pharmacy education.

We offer the following pharmacy postgraduate research courses:

- Master of Philosophy (MPhil) in Pharmacy
- Doctor of Philosophy (PhD) in Pharmacy

**RESEARCHER TAKES ON 'SILENT KILLER’**

Every day, four Australian women are diagnosed with ovarian cancer and three Australian women die from it. Ovarian cancer is often called the 'silent killer' as symptoms are often not detected until the cancer has developed to an advanced stage and spread to other parts of the body.

Symptoms of ovarian cancer can include fatigue, persistent abdominal bloating, appetite loss and indigestion. Treatment options for ovarian cancer include chemotherapy and/or surgery.

Dr Yu Yu is a Curtin Research Fellow who is examining the occurrence of tumours that can develop after treatment for ovarian cancer. These recurring tumours have a different molecular structure to the initial cancer, and are often resistant to traditional treatments.

“Ovarian cancer is the leading cause of gynaecologic cancer-related deaths in Australia. The vast majority of ovarian cancer cases are diagnosed at advanced stages, with the five-year survival rates of stage III and stage IV diseases at approximately 39 per cent and 17 per cent respectively,” Dr Yu says.

“One of the reasons for these dismal survival rates is the development of recurring cancer after standard care regimen, which includes surgery and chemotherapy. A lack of understanding about tumour drug-resistance mechanisms complicates the problem, and results in the limited development of new therapies. “

“High-grade serous ovarian carcinoma, the most common subtype of ovarian cancer, is an exemplar where chemotherapy resistance and recurrent tumours affect a high proportion of patients. Additionally, recurrent tumours have a different molecular makeup to the initial tumours because of their adaptation to the previous chemotherapeutic treatments, and are generally less responsive to conventional chemotherapeutics.”

Dr Yu will investigate therapeutic strategies to treat recurrent tumours by examining Spleen Tyrosine Kinase (SYK), an enzyme that modulates other proteins by phosphorylation, and results in a functional change of the target protein.

“Our previous study suggested that SYK plays a key role in driving ovarian tumour recurrence, and its inhibition can improve response to some types of chemotherapy. This project aims to broaden our understanding of recurrent ovarian cancer and create new targeted treatment.”

In your second year you'll complete a community pharmacy placement under the supervision of a practising pharmacist to develop skills in the clinical setting.

The rest of your first year will focus on innovative laboratories and facilities that provide you with essential practical skills.

The laboratories include a model dispensary, manufacturing laboratory, asepsis suite and contemporary compounding facilities.

Some lectures in this course may be attended by both undergraduate and postgraduate students.

Some countries may require fulfilment of requirements to registration in countries throughout Asia, in the UK and the Republic of Ireland. Some countries may require fulfilment of additional practical training programs.

**LOCATION**

Perth

**STUDY MODE**

Full-time

**DURATION**

2 years full-time

**CRICOS CODE**

068621J

**APPLICATION DEADLINES**

Some lectures in this course may be attended by both undergraduate and postgraduate students.

This course has an earlier application deadline: curtin.edu/hs-admission-requirements

For more information, visit curtin.edu/hs-admission-requirements
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 (SSA费) 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

COMMUNICATED SUPPORTED PLACE
A number of our postgraduate Health Sciences courses are communicated 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 studyassist.gov.au

EMPLOYER-PAID STUDY
Your employer may be able to help you with the cost of postgraduate study. Many employers have developed formal employee education assistance policies in which education costs may be shared.

FEE-HELP
If you are an Australian citizen or hold a permanent humanitarian visa, you have the option of applying for FEE-HELP – a loan to help pay for part or all of your tuition fees. For more information, visit fees.curtin.edu.au/feeHELP.cfm

TAX BENEFITS
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

OFFER LETTER (100 CREDITS) FEES
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 retainable 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.

REFUND AGREEMENT
The categories under which the University Fees Centre will assess an application for refund are laid out in the University’s 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.

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 or 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

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 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.

curtin.edu/hs-fieldwork-requirements

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

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APPLY AND SCHOLARSHIPS

HOW TO APPLY AND SCHOLARSHIPS