



Dieser Katalog wird Ihnen zur Verfügung gestellt vom Institut Ranke-Heinemann.

Wir betreuen Ihre Studienplatzbewerbung und fördern Sie finanziell!

Unser Förderprogramm

Warum IRH

www.ranke-heinemann.de



Zitat

„Aufgrund seiner langjährigen Erfahrung konnte das Institut Ranke-Heinemann mir zuverlässig, unkompliziert und sehr kompetent bei der Bewerbung eines Master of Laws an der University of Sydney behilflich sein.

Von meinem ersten Anruf bis hin zur letzten E-Mail hatte ich mich immer sehr gut betreut gefühlt. Die Bewerbung erforderte viel Organisationsaufwand und ich war froh, das Institut Ranke-Heinemann als Ansprechpartner und tatkräftige Unterstützung an meiner Seite zu wissen.“

Constanze Wedding

Master of Laws, University of Sydney

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MONASH University
Malaysia

(Formerly known as Monash University Sunway Campus Malaysia)

Pharmacy

Pharmacy at Monash University Malaysia

The Monash Faculty of Pharmacy and Pharmaceutical Sciences is derived from the Victorian College of Pharmacy which was established in 1881. The Faculty is a leading global proponent of pharmacy education and is internationally renowned as a key research centre.

It is home to the Institute of Pharmaceutical Sciences that comprises the largest group of pharmaceutical scientists in Australia. Lecturers conducting Bachelor of Pharmacy units bring to their teaching a wealth of insight and experience from industry and professional practice, locally and internationally.

Monash aims to prepare students to meet the challenges arising from the high complexity of today's drug therapies, and to instil in them the habit of lifelong learning.

www.pharm.monash.edu.my

At a glance

- The Bachelor of Pharmacy course at the Malaysia campus is closely matched to that offered at the Parkville campus, and uses the same robust, current and evolving curriculum.
- Teaching and learning are supported by innovative, intelligent use of learning technology.
- The Monash research ethos underpins and informs our teaching in terms of technical content and sound, closely evaluated educational practice.
- Focussed work-based learning (placements) allow students to integrate classroom learning with real world experience, and develop their pharmacy practise skills.
- Students have the option to transfer to the Parkville campus at the end of Year 1 or Year 2.

Ranking and recognition

- Monash has been ranked the seventh best university in the world at which to study Pharmacy and Pharmacology, according to the *QS University Subject Rankings 2013*.
- Monash is ranked 34th in the Top 50 Clinical, Pre-Clinical and Health Universities by the *Times Higher Education World University Rankings 2011–2013*
- Monash University Malaysia has been given Self Accreditation Status by the Ministry of Education (MoE) through the Malaysian Qualifications Agency (MQA).

Monash is *ranked*
in the *top 100* of
world universities*

*Times Higher Education World University Rankings (2012–2013)



Bachelor of Pharmacy

Duration: 4 years

Intake: February

Pharmacists are health professionals with skills and knowledge to manage patients' and healthcare providers' understanding and use of medicines. Pharmacists also play a key role in drug development and innovation.

The Bachelor of Pharmacy is a four-year undergraduate course that provides an understanding of the processes involved in providing primary health care, drug information, and clinical pharmacy services in different practice environments.

Areas of study

- Enabling sciences is the study of the physical, organic and medicinal chemistry, physiology, biochemistry, microbiology, molecular biology and immunology.
- Applied pharmaceutical sciences is the study of the formulation of medicines, pharmacokinetics (what happens to the medicine in the body) and the different dose-forms used in therapeutics.
- Clinical and therapeutics sciences is the study of the major disease states, their epidemiology, pathophysiology, diagnosis, the chemistry and pharmacology of the medicines used to treat these conditions and the clinical and practice aspects of treating patients.
- Pharmacy practice sciences is the study of the role of the pharmacist, professionalism, dispensing, health and the individual, and healthcare in our society.

Course outline

The curriculum is designed as an integrated program incorporating four themes, within which semester-long units are taught by staff from a range of disciplines in an interdisciplinary fashion.

Year one

Semester one

- PAC1111 Introduction to physiology
- PAC1121 Bioorganic and medicinal chemistry I
- PAC1211 Physicochemical basis of pharmacy
- PAC1311 Pharmacy, health and society I

Semester two

- PAC1132 Systems physiology
- PAC1142 Bioorganic and medicinal chemistry II
- PAC1222 Drug delivery I
- PAC1322 Pharmacy, health and society II

Year two

Semester one

- PAC2151 Biochemistry and molecular biology
- PAC2161 Cell function, communication and pathology
- PAC2171 Basis of drug action I
- PAC2331 Pharmacists as communicators

Semester two

- PAC2182 Basis of drug action II
- PAC2232 Drug delivery and disposition
- PAC2342 Pharmacy in a public health context
- PAC2412 Integrated therapeutics: Introduction and cardiovascular disease

Year three

Semester one

- PAC3191 Microbiology and immunology
- PAC3241 Drug delivery, disposition and dynamics
- PAC3351 Context for practice I
- PAC3421 Integrated therapeutics: Respiratory and gastrointestinal disease

Semester two

- PAC3252 Drug delivery II
- PAC3362 Context for practice II
- PAC3432 Integrated therapeutics: Infectious diseases

Plus one of the following electives:

- PAC3512 Current aspects of pharmaceutical research
- PAC3552 Community engagement
- PAC3522 Applied research project

Year four

Semester one

- PAC4261 Drug delivery and development
- PAC4371 Professional experience placement program*
- PAC4441 Integrated therapeutics: Endocrinology and renal
- PAC4451 Integrated therapeutics: Dermatology and pain

Semester two

- PAC4382 Context for practice III
- PAC4462 Integrated therapeutics: Neurology and oncology
- PAC4472 Integrated therapeutics: Psychiatry
- PAC4482 Preparation for practice

**In Years three and four, students undertake placements in hospitals, community health clinics and retail pharmacies.*

General Studies/Mata Pelajaran Pengajian Umum (Compulsory subjects)

The Malaysian Ministry of Education has officially announced the offering of General Studies (GS)/Mata Pelajaran Pengajian Umum (MPU) to replace the Malaysian National Subjects (Compulsory subjects) for all private higher education institutions effective 1 September 2013. All new students must undertake GS, and for Malaysian citizens, they must pass GS as a prerequisite for the award of a certificate, diploma, advanced diploma or 1st degree. (Circular No 2, Year 2013, Ref: JPT/GS1000-606 Jld.1 (25) and JPT/GS1000-606 Jld. 1 (30))

The objective of General Studies (GS) is to provide a holistic education across the disciplines for all tertiary students (Malaysian and International) and opportunities for students to engage in diverse life-long learning skills and acquiring of knowledge. The GS comprises four broad categories, namely:

- U1: The appreciation of philosophy, values and history;
- U2: Mastery of soft skills;
- U3: Broadening of knowledge in Malaysia; and
- U4: Practical management of community projects.

Prerequisites

English (Year 12 equivalent)

Chemistry (Year 12 equivalent, with excellent results) and Mathematics (Higher Year 12 equivalent, with excellent results)

Pharmacy Board of Malaysia requirements

Biology (Year 12 equivalent) is required.

Malaysian applicants must obtain a C in Bahasa Malaysia (Malay Language) and English in Sijil Pelajaran Malaysia (SPM) or equivalent.

Malaysian applicants are encouraged to achieve Band 3 in the Malaysian University English Test (MUET) before starting BPharm course.

For further information on entry requirements, visit www.pharm.monash.edu.my/future-students/entry-requirements.html or email pharm.sunway@monash.edu

Career opportunities

The demand for pharmacists in Malaysia and the region is high, and pharmacists will likely remain a sought-after profession in the foreseeable future.

Graduates will be able to find employment in the following sectors:

Community Pharmacy

- Clinical pharmacy
- Medication management
- Pharmaceutical care
- Retailing
- Management

Hospital Pharmacy

- Clinical pharmacy
- Clinical support services, including drug information, specialised preparative services and therapeutic drug monitoring
- Management

Government (The Ministry of Health)

- The Pharmaceutical Control Bureau

- The Pharmacy Services Division

Pharmaceutical Industry

- Research and development
- Clinical research
- Regulatory affairs
- Product information
- Sales and management

Armed Services

Education and Research

Notes:

Provisions of the Registration of Pharmacists (Amendment) Act 2003

To qualify for full registration with the Pharmacy Board of Malaysia, graduates are required to:

- complete a one year period of pre-registration experience and training at an approved training facility, followed by
- one year of public service at an approved facility
- Non-Malaysians are not eligible to register with the Pharmacy Board of Malaysia
- Before applying for enrolment, international students must check with the pharmacy regulatory body of their country that a Bachelor of Pharmacy qualification from Monash University at the Malaysia campus will allow them to register as pharmacists in their country.

Important information

Pharmacy Board of Malaysia requirements

The Pharmacy program is obliged to comply with current minimum qualifications for entry set by the Pharmacy Board of Malaysia. Please visit www.pharmacy.gov.my for details.

Teaching and learning at the Malaysia campus are supported by intelligent and innovative use of learning technology, such as MyDispense and Pharamatopia applications software; and purpose designed teaching-learning facilities such as the Virtual Practice Environment (VPE) and, from 2014, a Professional Practice Suite.

The VPE is a virtual laboratory used as a teaching application to provide a flexible learning space that can be customised to suit the different areas of pharmacy practice. Pharmacy students at the Malaysia campus will have a unique experience in pursuing their studies through the VPE, as they will be able to familiarise with a community pharmacy environment, as well as other healthcare settings applicable to the practice of pharmacy.

These facilities enhance the effectiveness of small group learning and the development of pharmacy practise skills. The Monash research ethos underpins and informs our teaching in terms of technical content and good educational practice. Course delivery promotes engagement, active learning and the development of self-direction and critical thinking, all of which equip our graduates for a lifetime of continuing learning and professional development. Focussed work-based learning (placements) help students integrate their classroom learning and develop their pharmacy practise skills.

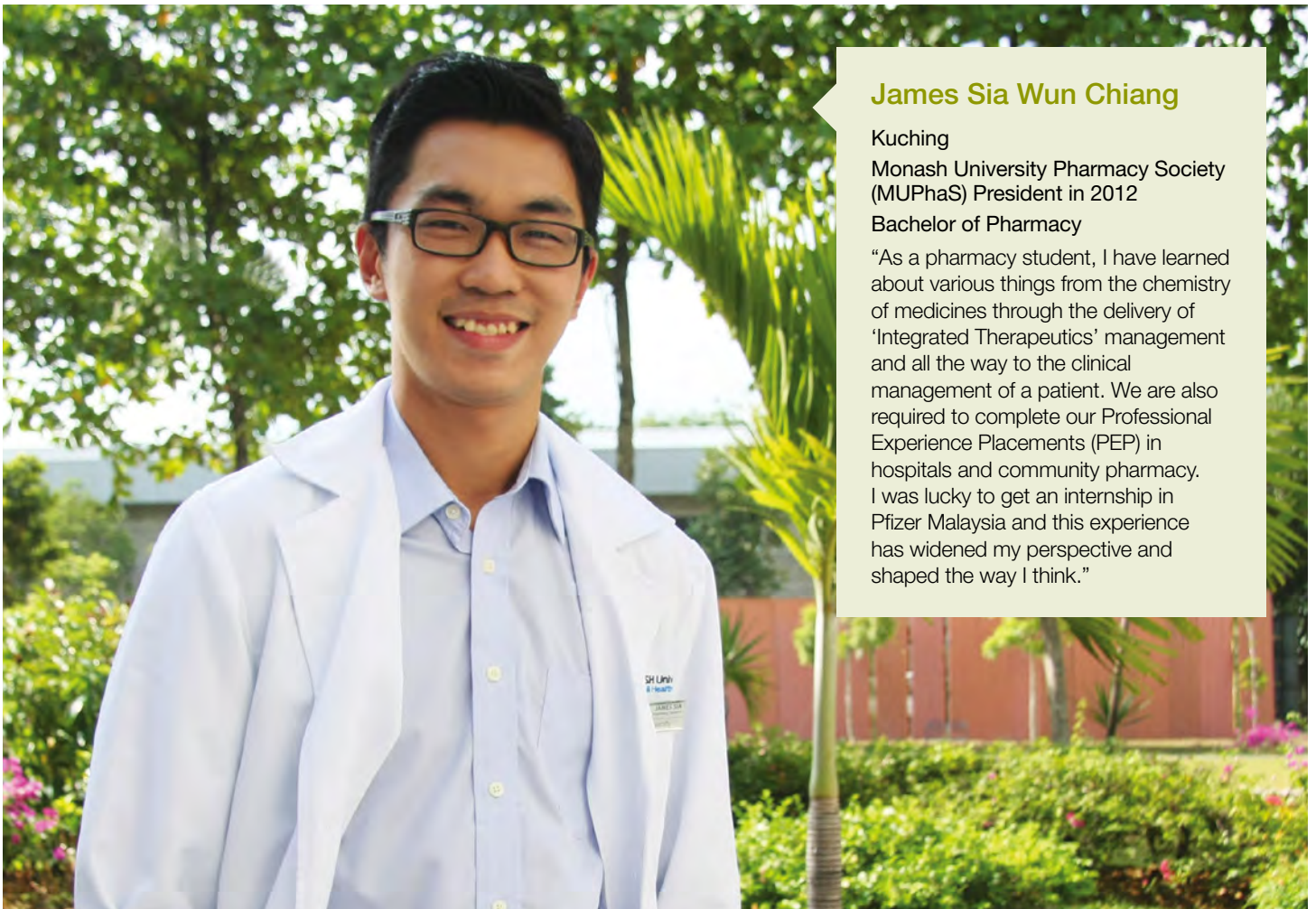
Students have the option to transfer to the Parkville campus at the end of Year 1, provided their average mark is at least 70%. Upon graduation, students will be entitled to apply for registration training positions in Australia, provided they meet relevant Australian immigration requirements.

English language requirements

All applicants must meet the University's minimum English language requirement. When an applicant has achieved more than one of the English language requirements over a period of time, only the most recent demonstration of English proficiency will be considered. You can meet these requirements in one of the following ways:

- You have achieved a satisfactory level of performance in an English subject at Year 12 or equivalent level. All students should refer to www.monash.edu.my/study/entry-requirements/english for details of acceptable English subjects and performance levels.
- You have studied in an institution where English is the language of instruction and assessment for the entire institution and have satisfactorily completed the equivalent of one year full-time year of either:
 - a university undergraduate award program, or a TAFE or VET diploma program, or
 - a program that has been assessed as being taught at an equivalent level to Monash University undergraduate study
- Documentary evidence in the form of a letter or transcript is required from the institution at which the study was undertaken.
- You have undertaken an English language proficiency test within 24 months prior to your study commencement date and have achieved the following results:
 - IELTS (International English Language Testing System – Academic) minimum average test score of 6.5 with no individual band lower than 6.0.
 - TOEFL (American Test of English as a Foreign Language) Paper-based test: 550 with a Test of Written English (TWE) score of at least 4.5 or a minimum overall test score of 79 in internet-based TOEFL, with minimum scores of 21 in writing, 12 in listening, 13 in reading and 18 in speaking.
 - You must include the original IELTS, TOEFL or TWE test report with your application.
- All of your secondary schooling was in English and you have successfully completed at least two units in an English medium higher education institution, of which at least one unit is an English rich unit.
- You have completed British GCE O Levels and obtained a grade 'C' or better in English.
- You have completed British GCE A Levels and obtained a grade 'C' or better in General Paper (A/S level).
- You have completed University of Cambridge GCE O Levels 1119 English language with a grade 'C' or better (a validity period of three years from the date of exam taken applies), and have subsequently completed A Levels.

For the full text of the University's policy on English language entry requirements, go to the relevant section of Academic Policies: www.policy.monash.edu/policy-bank/academic/education/admissions/index.html



James Sia Wun Chiang

Kuching

Monash University Pharmacy Society (MUPhaS) President in 2012

Bachelor of Pharmacy

"As a pharmacy student, I have learned about various things from the chemistry of medicines through the delivery of 'Integrated Therapeutics' management and all the way to the clinical management of a patient. We are also required to complete our Professional Experience Placements (PEP) in hospitals and community pharmacy. I was lucky to get an internship in Pfizer Malaysia and this experience has widened my perspective and shaped the way I think."



(Formerly known as Monash University Sunway Campus Malaysia)
Monash University Malaysia is jointly owned by the Jeffrey Cheah Foundation and Monash University

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Disclaimer: Please note that not all degrees, courses, majors and/or units ("Courses") offered at the Malaysia campus are offered at any of the other Monash University campuses. Students should always check with the relevant School advisers when planning Courses and making study plans. The inclusion in a publication of details of a Course and the acceptance into a Course in no way creates an obligation on the part of the University to teach it in any given year, or to teach it in the manner described. The University reserves the right to cancel, discontinue or vary Courses at any time without notice. An intercampus exchange or transfer may result in a longer time for degree completion due to variations of Course offering and the semester of the Course offering at each campus. Exchange and transfer arrangements to other Monash University campuses are subject to eligibility criteria, approval and may be subject to quotas. The tuition and other fees, if listed in this publication are only applicable to Courses commencing in 2014.

Students are advised to check www.monash.edu.my for the fees and costs which may be incurred. All fees are subject to an annual revision.

September 2013

KPT/JPT/DFT/US/B04 Co. No. 458601-U (Date of establishment: 20 March 2000)
F2-K008, F2-K013