AN INNOVATIVE APPROACH

Professor Shalom (Charlie) Benrimoj
B.Pharm (Hons), PhD FPS, FRPSGB, FFIP
Head of Graduate School of Health

With an ageing population, a growth in chronic disease and a system under serious pressure, Australia is facing a period of reinvention across the healthcare sector. Tomorrow’s graduates will need to be able to deliver high quality, timely and effective professional services to a population with complex healthcare needs.

The UTS Graduate School of Health takes a practice-based approach to education, delivering postgraduate degrees in four niche areas: pharmacy, orthoptics, Health Policy and clinical psychology. We are focused on helping students develop and apply their theoretical knowledge, research capabilities and clinical skills in a range of healthcare environments.

As a School, we pride ourselves on delivering courses that respond to contemporary healthcare issues, and on producing graduates who are equipped with the ability to face complexity, lead with confidence and manage the multi-faceted challenges facing the future of the health professions.
About Health GEM
Graduate-entry masters (GEM) courses are flexible and progressive study pathways that enable students to study an undergraduate degree and then choose a specialty when they are better informed about their future career options. GEM courses provide a pathway to professional recognition or registration in Australia. Following clinical placements and internships, Pharmacy, Orthoptics and Clinical Psychology students are prepared for registration or endorsement by the relevant authorising body.

Innovation in education
The UTS: Graduate School of Health (GSH) delivers practice-based education that responds to the ever-changing needs of the healthcare professions. We offer graduate entry masters degrees in pharmacy, orthoptics, health policy and clinical psychology. We are committed to innovation in healthcare practice and research, and to producing work-ready graduates with the capacity to make a transformative contribution to the Australian healthcare sector.

Career ready graduates
UTS: GSH is committed to a fresh and student-centred approach that has been carefully developed to produce career-ready graduates. Our courses are built on four main teaching tools – problem-based learning, realistic simulated environments, interdisciplinary workshops and extensive clinical placements – that connect theory to practice. In pharmacy, a wide range of electives give students the choice to specialise in specific areas of practice or to diversify their skill sets to ensure they graduate with the requisite expertise for their chosen careers.

Industry connections
At UTS: GSH, we work closely with a range of industry partners to ensure our degrees and research remain relevant to the dynamic healthcare sector. Our extensive professional networks in a variety of industry settings offer unparalleled opportunities for students to engage with clinical practice, even in the early stages of their degrees. A strong focus on clinical placements that are sourced by UTS encourages students to test their knowledge in a variety of real-world settings.

High impact research
Our research has a strong emphasis on practice development, collaboration and real-world outcomes and seeks to have a real and lasting impact on improving the healthcare of the wider Australian community. Our academics are internationally renowned researchers and healthcare practitioners whose work continues to shape current and future healthcare policy and practice. Their expertise provides exciting opportunities for research students to become part of groundbreaking research across the health professions. Research students are treated as early-career researchers, encouraged to publish and present their work and engage with a range of peers and mentors as they undertake their project.

State-of-the-art facilities
In line with our commitment to practice-based learning, the school is located in the brand new Thomas Street building, home to state-of-the-art facilities with purpose-built wet and dry laboratories and simulated environments to enhance the student experience.
INNOVATIVE, PRACTICE-BASED LEARNING

All universities teach theory, but the Graduate School of Health closes the gap between theory and practice with a unique approach to educational design. While academic and theoretical concepts are at the foundation of all the subjects on offer, our students are supported to apply their theoretical knowledge in a wide range of real-world settings.

Our unique approach to educational design enables students to experience a seamless integration of the best of online and face-to-face learning. As well as attending lectures, students can access digital resources and undertake preliminary tasks prior to coming to class, and are encouraged to apply their knowledge through tutorials, workshops, simulated scenarios and practice-based learning.

UTS MODEL OF LEARNING

> Delivers practice-oriented, global and research-inspired learning
> Combines digital and face-to-face learning opportunities and resources
> Links theoretical knowledge to practical application
> Encourages collaborative, inquiry-based on-campus learning activities, including guest lectures, research labs and studios
> Emphasises the importance of real-world practical experience, such as clinical placements and community projects
> Produces work-ready graduates
> Encourages international mobility and engagement
> Employs cutting-edge technology
> Stimulates life-long learning
YOUR LEARNING CYCLE

UTS helps you define and articulate your individual learning goals and to understand how your theoretical knowledge can be applied in a practical setting. You gain access to ideas and content, whether online or in innovative learning spaces.

Your learning is supported by a wealth of multimedia learning resources, from podcasts and Open Education tools to social media and textbooks.

A range of services across the university support you to succeed in your academic endeavours.

Live case studies, clinical placements and engagement with mentors allow you to make sense of, and test, your ideas. Academics, clinicians and your peers provide feedback on the strength of your learning. Self-reflection and assessment allows you to identify what you’ve learnt and how you’ve progressed, positioning you for new learning goals.

Jim Woulfe
Educational Designer

“My role as educational designer is to ensure the School delivers excellence and innovation in learning. UTS: Graduate School of Health programs are best practice in terms of course delivery and content integration using multimedia and other technology. We’ve paid particular attention to helping eLearning sites and face-to-face instruction that contribute seamlessly to the student learning process.”
UTS is in the midst of a $1 billion campus redevelopment that is transforming the southern end of Sydney’s CBD. A series of striking new buildings and facilities across the university’s City Campus are leading to new and exciting approaches to learning and research.

The Graduate School of Health is housed in a series of multi-million dollar, purpose-built healthcare education facilities. An existing space in the UTS Tower inspires inquiry and learning with its state-of-the-art teaching spaces, simulated learning environments and cutting-edge AV and IT capabilities.

New facilities have been added in the recently completed Thomas Street Building, which is adjacent to the university’s Alumni Green and centrally located in the heart of one of Sydney’s major industry and cultural precincts. These facilities include wet and dry labs and a range of innovative and collaborative work and social spaces, all of which deliver an immersive educational experience for UTS: GSH students.
GEM courses use problem-based learning.

The new Thomas St Building.

Students use the latest in contemporary equipment.
STUDENT EXPERIENCE

Eden Simon

“One of the reasons I picked UTS is because I knew from being an undergraduate here that the university prides itself on change and cutting edge science and technology. I was attracted to the fact that they were promising a practice-based, new and exciting degree that was different to all the others. But it wasn’t until I actually started studying and spoke to others from other universities that I realised how different the degree programs are. UTS definitely delivered.”

Kathryn George

“I knew my course would be very practice-based, and that it would secure me a job. It was modern, compared to other courses. We were spending a lot of time on the job, and learning on the job, which is what I liked. Also, the teachers knew the students – we had small classes, and you could always have one-on-one time with the teacher.”
Kyle Buchtmann

“Undertaking clinical placements really helped prepare me for the workforce. Just seeing how everyone else operates, seeing what they do and learning on the job, I found was a lot more beneficial than just learning from a textbook. You’re putting into practice what you learn in class. UTS graduates seem to have a lot to offer, because they’ve had those practical experiences throughout their degrees.”
CLOSE TIES TO THE PROFESSION

UTS has a long-standing reputation as a preferred partner of the professions. The School continues this tradition to ensure that our courses and research are professionally relevant and have a positive impact on the future of healthcare in Australia and internationally.

Industry advisory boards
The Graduate School of Health has convened industry advisory boards for its disciplines. Leaders from their respective professions, board members provide high level strategic advice to the School across a range of issues including curricula, research and the future direction of the School.

Practitioner teachers and adjunct professors
With the help of its industry partners UTS: GSH employs independent practitioner teachers from a range of specialisations and has appointed pharmaceutical industry leader John Montgomery as an adjunct professor.

Practitioner teachers are a vital part of the school as they provide professional insights to students, ensure courses are relevant and act as a bridge between the university and professional practice.

Hospital clinical joint appointments
UTS: GSH has established a network with major Sydney hospitals to further collaboration in the areas of clinically based teaching and research. Clinicians from Prince of Wales Hospital, The Children’s Hospital at Westmead and Royal North Shore Hospital are embedded part time within the School in a co-funding arrangement between UTS and Local Health Districts.
Clinical pharmacists provide valuable input into the Master of Pharmacy, especially in the form of case-based learning activities in the area of therapeutics and pharmacy services.
John Montgomery
Adjunct Professor
Managing Director at STaDa Pharmaceuticals Australia Pty Ltd

Working with UTS on a part-time basis, John is a recognised pharmaceutical industry leader with a wealth of experience in branded, generic and over-the-counter pharmaceutical business and in the establishment of mentoring programs both in Australia and the United States.

“I’m glad to be able to share my expertise through teaching and mentorship – I want to make sure graduates have the option to pursue a career in industry as well as other areas of pharmacy”.

MASTER OF CLINICAL PSYCHOLOGY

Overview

UTS: Clinical Psychology offers a contemporary, clinically based course that allows candidates to explore their particular area of interest while establishing them firmly in their chosen career path. Drawing on clinical practice, research evidence, and clinically based coursework, the Master of Clinical Psychology provides you with an integrated approach to learning. It brings together practice-based and research-led education in clinical psychology, encompassing on-campus learning, on-campus and off-campus clinical placement and research. The course is delivered in custom-built, state-of-the-art facilities including the on-campus UTS Psychology Clinic.

It is intended that the Master of Clinical Psychology will provide the fifth and sixth year of study required to register as a psychologist in Australia. Graduates will be eligible, following two years of supervised practice, for endorsement as clinical psychologist withs PsyBA and membership of the College of Clinical Psychologists of the Australian Psychological Society and the Australian Clinical Psychology Association (APAC).

In line with standard accreditation procedures, UTS is undertaking the application process for APAC accreditation and approval by the College of Clinical Psychologists of the Australian Psychological Society.

Career opportunities

Explore career opportunities in hospital, health services, specialist and private practice settings in a variety of areas such as: Adult mental health, child and family health, drug and alcohol, sexual health, oncology and rehabilitation.

Clinical Placements

The first professional placement site for all graduates will be undertaken in the custom-built, on-site UTS Psychology Clinic under the supervision of established and endorsed Clinical Psychologists. You will complete over half of your placement hours off-campus, in settings including hospital, specialist and private practices. You can choose a focus area for your final clinical placement and, pending availability, be allocated a specialised placement.

Dr John McAloon
Senior Lecturer & Clinical Psychologist

“Regardless of whether a graduate chooses a career path in research, private practice, public health or academia, they will develop within a learning environment characterised by real-world training that focuses on integrating diverse elements of the discipline to inform clinical practice.”

John has extensive clinical experience in private and public capacities. His expertise is in child protection, substance use, and behaviourly-based family intervention as well as the development and delivery of a broad range of clinical programs and services in private and public settings. His interests are strongly oriented to the role of parenting in the development and maintenance of child and adolescent behaviour and emotional wellbeing.
MASTER OF CLINICAL PSYCHOLOGY

UTS Course Code: C04300
UAC Course Code: 940915
For full subject descriptions visit: uts.edu.au/courses/c04300

Duration: 2 years full-time

Teaching Mode:
Full-time, on-campus. The course is an intensive two year program. Students can expect to be on campus or at clinical placement 5 days per week during semester and may have obligations during semester breaks.

Admission requirements:
Applicants must have completed a UTS recognised bachelor’s degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies. The qualification must be in the field of psychology with Second Class Honours, Division 1 and completed within the last 10 years.

AUTUMN (Semester 1)
96043 Introduction to Clinical Practice Skills
96044 Child and Adolescent Clinical Psychology
96045 Adult Clinical Psychology 1
96046 Research Project 1

SPRING (Semester 2)
96047 Clinical Placement 1
96048 Adult Clinical Psychology 2
96049 Clinical Neuropsychology
96050 Approaches to Health Psychology

YEAR 1

AUTUMN (Semester 1)
96051 Clinical Placement 2
96052 Clinical Placement 3
96053 Advanced Clinical Skills 1
96054 Research Project 2

SPRING (Semester 2)
96073 Clinical Placement 4
96074 Advanced Clinical Skills 2
96056 Research Project 3

YEAR 2

Alice Shires
Clinical Psychologist and Psychology Clinic Director

Alice has been involved in teaching and supervising cognitive behavioural therapies over the last 20 years. She has developed a keen interest in Mindfulness and its integration into Cognitive and Behavioural therapies and has assisted in the development of accredited training in Mindfulness integrated CBT(MiCBT) and continues as an established trainer in MiCBT.

Alice has been involved in the teaching, training and supervision of clinical psychologists and their field supervisors. She is involved in research on the process of supervision and assessment of competencies in clinical psychology training, reflective practice in clinical psychology and has developed a University based supervisors training program.
MASTER OF ORTHOPTICS

Overview
Orthoptics is a specialist discipline with a focus on the diagnosis and management of a range of eye disorders. The Master of Orthoptics prepares students for a career in the multidisciplinary field of eye healthcare.

This course has been designed for individuals who are passionate about clinical practice, research or industry roles that relate to eye healthcare and the correction and management of vision problems within the wider Australian community.

Students will study under the guidance of internationally recognised teachers, researchers and clinicians and will be encouraged to engage with new knowledge and technologies in the field of orthoptics throughout the degree. Graduates will enter the workforce with high level clinical skills, leadership capabilities and an in-depth understanding of the importance of patient-focused care.

Career opportunities
Graduates of the Master of Orthoptics will be eligible for registration as an orthoptist. Graduates can seek employment in Orthoptics or organisations where qualifications in eye health, eye and vision care or ophthalmology are required. As one of only two orthoptics degrees in the Asia-Pacific region, graduates will be highly sought after by local, national and international employers.

Clinical placement
Master of Orthoptics students experience a diverse range of clinical placement opportunities. Students complete a minimum of 260 hours over the two year program, both during semester and block placements between semesters. UTS is partnered with over 50 orthoptics placement sites across Sydney in hospital, community and private practice, and over 15 sites outside the Sydney metropolitan area.

Kathryn Rose
Kathryn Rose is an internationally acclaimed Orthoptics practitioner and researcher with a focus on the field of myopia, or short-sightedness.

“One of the things that has really impressed me about working with the Graduate School of Health is the emphasis on high-quality education and constant renewal and appraisal of the educational process. There’s also opportunities to maximise UTS links with the profession and the wider industry groups to actually support students, and I think that’s going to be a real advantage of being at UTS.”

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# MASTER OF ORTHOPTICS

**UTS Course Code:** C04299  
**UAC Course Code:** 940911  
For full subject descriptions visit: uts.edu.au/courses/c04299

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<th>YEAR 1</th>
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<td>96028</td>
<td>Binocular Vision and Ocular Motility 1</td>
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<td>96029</td>
<td>Ocular Pathology 1</td>
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<td>96030</td>
<td>Introduction to Professional Practice</td>
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<tr>
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<td>Research Project 1</td>
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<td>96036</td>
<td>Neurological Ocular Disorders</td>
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<td>96037</td>
<td>Therapy, Management and Rehabilitation</td>
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<td>96038</td>
<td>Professional Practice 2</td>
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**Duration:** 2 years full-time  
**Teaching Mode:** Most units of study are presented on-campus, with 4 Professional Practice units providing external clinical placements.  
**Admission requirements:** Applicants must have completed a UTS recognised bachelor’s degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies. Some applicants are required to undertake a short interview with a panel. Applicants are assessed in the areas of communication skills, interpersonal skills, interest in eye health, and commitment to orthoptics as a career.
Overview
The Master of Pharmacy provides postgraduate education for students with a science or science-related background who have an interest in a pharmacy career. The course combines scientific knowledge, technical skills and expertise in service delivery with extensive clinical placement opportunities. A wide range of elective subjects allows students to focus on specific areas of pharmacy practice, preparing them for a range of career opportunities across the profession.

Career opportunities
Graduates can expect to work in community and hospital pharmacies, pharmaceutical science, research, and specialist clinical areas as well as, global corporations, local and international government departments and consultancy. 96% of the most recent cohort of students had gained employment within 6 weeks of completing the degree.

Clinical placement
Master of Pharmacy students experience an intensive clinical placement program with a diverse range of placement opportunities. Students complete approximately 520 hours over the two year program, ranging from half day per week placements during semester to block placements between semesters. The variety of placements is designed to give you an insight into the day-to-day realities of the profession, as well as provide you with a hands-on understanding of patient management along the continuum of care.

Community pharmacy
You will undertake a community pharmacy placement for half a day per week during your first year so that you have an opportunity to apply your new skills and familiarise yourself with the most common pharmacy setting.

Hospital pharmacy
One of your placement blocks will be completed in a hospital pharmacy setting. This is unlike many other pharmacy schools, where ‘elective’ hospital placements are offered to a small number of students. Our hospital pharmacy placements are at some of Sydney’s largest teaching hospitals as well as optional placements in regional and rural Australia.

We source your clinical placements for you
Our clinical placement team sources your placements. Based on your location and career interests, placement locations will generally be within the Sydney metro area but there are also opportunities to undertake placements in rural and regional settings.

Specialist and alternative practice settings
Students also have the option to pursue interests outside the traditional areas of hospital and community pharmacy.

Specialist settings can include:
- Pharmacy Consultancy
- Pharmaceutical Industry
- Government
- Professional Organisations
- Specialist Clinics
**MASTER OF PHARMACY**

**UTS Course Code:** C04252  
**UAC Course Code:** 940900  
**For full subject descriptions visit:** uts.edu.au/courses/c04252

**Duration:** 2 years (equivalent to 3 years of study). The course extends beyond the regular academic year to include winter and summer sessions.

**Teaching Mode:** Full-time on campus. You can expect to spend up to 30 hours per week in face-to-face classes and clinical placements. This course is not offered part-time, online, or by distance.

**Application requirements:** Applicants must have completed a UTS recognised bachelor’s degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate studies.

Entry is competitive and applicants are assessed on their grade point average (GPA). As a guide, in 2013 the entry GPA was a credit result. The GPA is calculated based on the latest three-year (full-time) or equivalent academic record.

Applicants must have also completed the following at a tertiary level within the last 10 years:

- two pharmacology subjects  
- two chemistry subjects  
- one biochemistry subject  
- one human physiology subject, and  
- one mathematics or statistics subject

A human biology and/or microbiology subject is also desirable.

### YEAR 1

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<td>96001 Introduction to Pharmacy</td>
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<td>96002 Concepts in Pharmaceutical Sciences</td>
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<td>96003 Pharmaceuticals</td>
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<td>96004 Professional Services 1</td>
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<td>96015 Clinical Practice 1</td>
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**WINTER**

| 96024 Clinical Practice 2    |

**SPRING (Semester 2)**

| 96005 Professional Services 2 |
| 96006 Integrated Therapeutics 1 |
| 96007 Drug Disposition         |
| 96008 Evidence Based Practice  |

**SUMMER**

| 96025 Clinical Practice 3    |

### YEAR 2

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<td>96009 Professional Services 3</td>
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<td>96010 Integrated Therapeutics 2</td>
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<td>96011 Primary Healthcare</td>
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Select: Elective 1

**WINTER**

| 96017 Clinical Practice 4    |

**SPRING (Semester 2)**

| 96012 Professional Services 4 |
| 96013 Integrated Therapeutics 3 |
| 96014 Molecule to Market      |

Select: Elective 2
Prerequisites
Applicants must complete ALL prerequisite subjects prior to the start of semester in late February 2015 and must provide relevant subject outlines with their application. If you have not completed all subject pre-requisites in your undergraduate degree, these can be completed as bridging courses, short courses or non-award units.

Completing outstanding prerequisites
Completed separately as non-award study, short courses or summer school – if you intend to complete prerequisites before the start of semester, please note this on your application.

Bridging courses
Applicants who have met GPA requirements and passed the interview stage and can complete the following subjects as pre-semester bridging courses provided that they have completed or will complete all other prerequisites before the start of the course (end of February each year).

> Pharmacology
> Biochemistry

Non award study
Non award study can be completed at any recognised Australian Tertiary Institution including Open University.

For example, UTS offers most prerequisites as units within its Bachelor of Science and La Trobe University offers an online short course in Anatomy and Physiology which meets prerequisite requirements for Human Physiology.

For more information on how to undertake non-award study at UTS visit sau.uts.edu.au/applying/nonaward.html

If you are unsure or would like to check whether your previous study or a subject meets our requirements, please submit your subject outline/s and transcript for pre-assessment. For more information, visit http://uts.ac/pharm-apply14
Associate Professor Kylie Williams
BPharm, DipHospPharm, PhD

Associate Professor Williams has made a sustained contribution to learning and teaching in pharmacy. She has extensive experience with the design, implementation and evaluation of individual subjects as well as entire programs. She teaches across a wide variety of areas, including evidence-based practice, drug information, pharmacoepidemiology, online health information, therapeutics and has a special interest in eLearning.

“We aim to prepare students not only for current pharmacy practice, but for emerging roles in the rapidly changing pharmacy profession.”
GOOD MANUFACTURING PRACTICE

Overview

UTS has partnered with SeerPharma, the industry’s leading provider of technical compliance and QA knowledge in Asia/Pacific to deliver innovative, university-accredited graduate programs in Good Manufacturing Practice. Practice-based and contemporary, the programs are unique in Australia and the Asia-Pacific region.

Our Good Manufacturing Practice programs are designed for students who seek in-depth knowledge of regulations, compliance, process development and quality assurance. You will gain expert knowledge of Quality and Good Manufacturing Practice to meet TGA, FDA, EU and PIC/S requirements. These are essential factors for career development in the pharmaceutical, medical device and biotechnology sectors both in Australia and globally.

The practice-based, multi-discipline course is presented in a structured, modular format. You will learn from industry-based experts who have spent many years working with pharmaceuticals, biologics and/or medical device companies. The units of study cover all stages of the product life cycle - from pre-clinical and clinical through to commercial manufacturing. In this heavily regulated industry, in-depth knowledge of process development, quality assurance regulations and compliance are paramount.

Industry based research projects may also be offered to students on the basis of availability and merit, helping students to build relationships with local industry.

Career opportunities

You can map out a pathway for your professional advancement, ranging from entry into the pharmaceutical, medical device or biotechnology sectors to senior and executive management. The programs are also ideal for students wishing to start a pharmaceutical/medical device/biotechnology career with industry-recognised qualifications.

Flexible exit and entry points

Students can enter or exit this course at Graduate Diploma or Graduate Certificate, providing they meet the requirements of each degree. The Graduate Certificate in Good Manufacturing Practice articulates into the Graduate Diploma in Good Manufacturing Practice, which is an exit point for students enrolled in the master’s course.
### GOOD MANUFACTURING PRACTICE

**UTS Course Code:** C04301 Master  
C11249 Graduate Certificate  
C06115 Graduate Diploma  

**UAC Course Code:** 940919 Master  
940921 Graduate Diploma  
940922 Graduate Certificate  

For full subject descriptions visit: uts.edu.au/courses/c04301

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<td>Validation Principles</td>
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<td>International GMPs and Quality Assurance</td>
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<td>Good (Quality Control) Laboratory Practices</td>
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<th>YEAR 2</th>
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| 96065  | Process Development for Therapeutics  
- A Perspective for Finished Dose Forms |
| 96066  | Clinical Trials Quality Assurance Management |
| 96067  | Supply Chain Management |
| 96068  | Industrial Research Project A |

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| 96070  | Process Development for Therapeutics  
- A Perspective for Medical Devices |
| 96071  | Validation Practices |
| 96072  | Industrial Research Project B |

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SeerPharma Pty Ltd  
SeerPharma Pty Ltd is the industry’s leading and largest provider of technical compliance, QA knowledge and expert training to the pharmaceutical, medical device and biotechnology healthcare industry sectors in Australia and the Asia/Pacific region. Since 1989, SeerPharma has continuously provided best practice industry GxP and quality assurance training to managers and supervisors. SeerPharma has trained over 4000 students and over 150 companies throughout Australia, Malaysia, Singapore, the United Kingdom, India, Vietnam, Korea, New Zealand and Thailand. SeerPharma offers a comprehensive range of consulting services and specialist expertise to the pharmaceutical, medical device and biotechnology industries and has built a strong reputation for supporting companies and products in development through to commercial manufacture.
HEALTH POLICY

Overview
Developed with experts who work in the healthcare system, the programs have a specific focus on health policy knowledge and skills, while drawing on the expertise of five key discipline areas.
Each course is delivered within a unique, interdisciplinary framework, synthesising coursework elements from Health, Business, Communications, Law and Science and offering the ability to specialise in Health Economics, Communication and Learning, Health Services and Planning or Health Law. Students will study core units in the areas of Indigenous studies, economics, policy, statistics and epidemiology.
Through career-focused interdisciplinary learning, students will gain a depth of knowledge and a versatile skill set to understand, interpret, influence, shape and become future thought leaders of Health Policy.

Career opportunities
Career options include positions in Commonwealth and state departments of health, community and consumer-based advocacy groups, government and not-for-profit organisations, local health districts, and non-government service providers.

Flexible exit and entry points
Students can enter or exit this course at Graduate Diploma or Graduate Certificate Stage, providing they meet the requirements of each degree.
The Graduate Certificate in Health Policy articulates into the Graduate Diploma in Health Policy, which is an exit point for students enrolled in the Master’s course.
Students can also undertake a Master of Health Policy (Extension), for an extended, and more detailed specialisation.

Dr Jen Bichel-Findlay
“My specialty is health informatics and there is an increasing role that technology will play in not only information and data management, but also risk mitigation. These topics have been integrated into subject content to ensure you are prepared for the evolving needs of healthcare systems.”
Joining UTS from The Australian Council on Healthcare Standards in 2011, Jen brings a wealth of health services experience at state and national levels with expertise in health informatics and knowledge management in health. Jen has been involved in a range of clinical, managerial, educative, and project roles in public and private healthcare organisations for over 35 years.”
**HEALTH POLICY**

**UTS Course Code:**
- C04268 Master
- C04269 Master (Extension)
- C11235 Graduate Certificate
- C06107 Graduate Diploma

**UAC Course Code:**
- 940906 Master
- 940909 Master (Extension)
- 940908 Graduate Certificate
- 940907 Graduate Diploma

For full subject descriptions visit: [uts.edu.au/course/c04268](http://uts.edu.au/course/c04268)

**Duration:** 1.5 years full-time or 3 years part-time

**Teaching Mode:** Most subjects are offered in intensive block mode, a flexible option for practicing professionals to balance study and work commitments.

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Master of Health Policy (Extension) - Year 2 Spring - Select an additional 24 Credit Points from electives list.

### AUTUMN (Semester 1)
- 92050 Policy, Power and Politics in Healthcare
- 35513 Statistical Methods

### SPRING (Semester 2)
- 92638 Foundations of the Australian Healthcare System
- 26703 Introductory Health Economics

### AUTUMN (Semester 1)
- 92296 Epidemiology and Population Health
- 57191 Organisational Change and Communication

### SPRING (Semester 2)
- 92612 Research in Health
- 92847 Planning and Evaluating Health Services

### YEAR 3

**Select 24 Credit Points from:**
- 92295 Advanced Health Services Planning
- 57023 Communicating with Publics
- 78145 Contemporary Issues in Health Law
- 78126 Corporate Governance
- 78147 Dilemmas in Biomedical Law
- 78229 Disability and the Law
- 79771 Dispute Resolution
- 79031 Employment and Industrial Law
- 25742 Financial Management
- 57022 Foundations of Communication
- 78104 Genetics and the Law
- 92721 Health Promotion and Health Education
- 92297 Health Systems and Change
- 23787 Health Technology Assessment
- 92022 Improving Quality and Safety in Health
- 27778 Innovative Services Management
- 57025 Intercultural and International Communication
- 77734 Law and Medicine
- 78150 Law and Mental Health
- 98728 Leadership, Accountability and Role Development in Advanced Practice
- 21741 Managing Operations
- 92603 Managing Quality, Risk and Cost in Healthcare
- 92606 Nursing Leadership in Contemporary Healthcare
- 92887 Organisational Management in Healthcare
- 92845 Primary Healthcare
- 21745 Service Operations Management
- 92917 Using Healthcare Data for Decision Making
UTS has invested heavily in a long-term research strategy aimed at increasing research capacity and productivity to address some of Australia’s biggest research challenges. Health research has been named as an area of strength in the strategy with a focus on collaborative and interdisciplinary research; innovative technological approaches; commitment to researcher development and strengthening the relationship between research and teaching and learning.

GSH Research Areas

- Cancer cell biology and therapeutics
- Nanotechnology and drug delivery
- Immunopathology of chronic airways disease
- Clinical pharmacy and therapeutics
- Pharmacy Practice
- Professional Pharmaceutical Services
- Parenting, child and adolescent behaviour and mental health
- Myopia (short-sightedness)

Research Degree Supervisors

**Professor S. Charlie Benrimoj**
Pharmacy practice, professional pharmaceutical services, professional integration

**Associate Professor Beata Bajorek**
Clinical pharmacy and therapeutics, hospital pharmacy, pharmacy practice

**Associate Professor Mary Bebawy**
Oncology, multi-drug resistance, pharmaceutical science, industrial R&D, cell biology

**Associate Professor Kylie Williams**
Pharmacy practice, the role of pharmacy in consumer self-care, pharmacy education

**Dr Maria Sukkar**
Immunopathology of chronic airways disease (asthma, COPD)

**Dr John McAloon**
Parenting, child and adolescent behaviour and mental health, substance use and child protection

**Dr Kathryn Rose**
Orthoptics, myopia, or short-sightedness
Assoc. Professor Mary Bebawy is recognised as an international leader in the field. Her team are working on a range of diagnostic and treatment opportunities for cancers that have become resistant to multiple drugs. “Our research looks to define and understand a novel pathway which we discovered contributes to cancer multidrug resistance,” Assoc. Professor Bebawy says. “This research will provide fundamental knowledge as to how cancer cells resist the toxic effects of anti-cancer drugs.”

Assoc. Professor Bebawy’s team is comprised of a number of research students, both at Masters and PhD level, who are keen to translate their interest and expertise in cancer research into relevant research with real-world outcomes. “Here at the UTS: Pharmacy, there is a tremendous focus on ensuring that the research journey is positive for our students,” Assoc. Professor Bebawy says. “The facilities, infrastructure, technical expertise and support systems we have to offer enrich the HDR journey and ensure that our students are independent, highly skilled and qualified researchers at the end of their candidature.”
Yishen Wang, PhD Candidate uts.edu.au/yishen-wang

“I am developing a new version of an electronic decision-making tool to assist health professionals like specialist clinicians, general practitioners, nurse practitioners and accredited pharmacists, in prescribing antithrombotic [anti-clotting] medicines for stroke prevention in atrial fibrillation patients.” Says PhD Candidate Yishen Wang.

Part of a larger body of Clinical Pharmacy and Therapeutics research being led by Associate Professor Beata Bajorek, Yishen’s research will develop and evaluate strategies to support decision-making in a clinical context.

“I chose to work with Beata because she is an expert in this area of research. She developed the first version of this electronic decision-making tool, which has previously shown promise in improving the use of antithrombotic therapy and has received NHMRC funding for a trial in a general practice setting.” Said Wang.

Curtis Pazderka, PhD Candidate uts.edu.au/curtis-pazderka

“I’m implementing drug design strategies to improve certain properties of an anticancer drug. I’m attempting to change the structure of the lead molecule in several places to improve its ability to dissolve while avoiding changes in the molecule that reduce the anticancer drug activity. As part of this I am able to collaborate with groups from different institutions including The University of Sydney.”

“I chose to complete my PhD at UTS because I found the project interesting and enjoy the academic and social environment of the GSH. Even over the short time I have been here at UTS I have been inundated with opportunity to further my academic, career and social interests.”
DOCTOR OF PHILOSOPHY (PhD)

Duration
4 years full time or 8 years part time (maximum)

Overview
A Doctor of Philosophy (PhD) program provides research training that fosters the development of independent research skills. These include the capacity to define a significant problem, develop mastery of appropriate conceptual and methodological skills and to relate the research topic to a broader framework of knowledge. Students undertake a research project, culminating in the submission of a thesis that makes a significant contribution to knowledge in a defined area of pharmacy, which can be clinically or theoretically based.

Career opportunities
Many PhD graduates go on to careers in research and academia, but a research degree can prepare you for other careers that improve health outcomes such as those in clinical trials, government, policy advice or advanced practice.

Program structure
You will undertake a research project that may be in a professional or clinical area of your choice, or may be of a theoretical nature, addressing gaps in knowledge related to policy or practice. You may choose from a variety of research methodologies with the research approach being determined by the nature of the research undertaken.

Your research project will culminate in the production of a thesis for examination. A candidature assessment is conducted at the end of the first year for full time students and at the end of the first three semesters for part time students. You will work closely with a principal supervisor and a supervisory panel and report on your progress each semester.

Application requirements
Applicants are required to hold a bachelor’s degree with First or Second Class Honours (Division 1), a master’s (research) degree or a master’s degree that included a significant research component. Applicants are asked to demonstrate their ability to undertake research, both academically and professionally, at higher degree level as part of the application process. Applicants are also required to submit a research proposal and have the agreement of a suitable supervisor at the time of application.

Note: Applicants should allow at least three months to complete the application process in consultation with their potential supervisor. Ideally, you should begin working on your application three to six months before it is due. See page 27 for how to apply.

RESEARCH DEGREES CONTINUE >
**RESEARCH DEGREES**

**MASTER OF PHARMACY (RESEARCH)**

**Duration**
2 years full time or 4 years part time (maximum)

**Overview**
This course is intended for registered pharmacists, or students who have completed a registrable pharmacy degree, who wish to pursue a career in pharmacy research or gain a competitive advantage in their career by completing an additional postgraduate qualification. Students gain research skills and expertise in their area of research interest, and demonstrate their outstanding academic ability and commitment to pharmacy through the completion of the degree.

**Career opportunities**
The Master of Pharmacy (Research) is excellent preparation for those students who wish to pursue doctoral research study, a career in research or higher level pharmacy positions. Career options include academic appointments, expanded practice roles, advisory positions and industry roles.

**Application requirements**
Applicants must have completed a UTS recognised bachelor’s degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies. Applicants need to have completed a prior degree that would make them eligible for registration as a pharmacist.

**See opposite for how to apply.**

**MASTER OF PHARMACEUTICAL SCIENCES (RESEARCH)**

**Duration**
2 years full time or 4 years part time (maximum)

**Overview**
The Master of Pharmaceutical Sciences (Research) is intended for students who have completed a relevant degree in science, who wish to pursue a career in pharmaceutical sciences research or gain a competitive advantage in their career by completing an additional postgraduate qualification. Students in this course gain research skills, technical skills and expertise in their area of research and demonstrate their outstanding academic ability and commitment to pharmaceutical science through the completion of the degree.

**Career Opportunities**
The Master of Pharmaceutical Sciences (Research) is excellent preparation for those students who wish to pursue doctoral research study, a career in research or higher level pharmaceutical science positions. Career options include academic appointments, industry roles and advisory positions.

**Application Requirements**
Applicants must have completed a UTS recognised bachelor’s degree, or an equivalent or higher qualification, or submitted other evidence of general and professional qualifications that demonstrates potential to pursue graduate research studies. Applicants need to have completed a relevant bachelor’s degree in science.

**See opposite for how to apply.**
HOW TO APPLY

DOMESTIC STUDENTS
Applications can be completed quickly and easily online through the Universities Admissions Centre (UAC).

To apply through UAC visit uac.edu.au
For more information:
Tel: (02) 9752 0200

Applications with previous qualifications completed in Australia can also be submitted in person at one of our Postgraduate Info Sessions. Register at postgraduate.uts.edu.au

Applications for Autumn Semester 2015 open 5 September, 2014. Shortlisted applicants will be required to attend an interview.

Application closing dates:
First round: 31 October, 2014
Second round*: 28 November, 2014
Third round*: 30 January, 2015
*Applications will only be accepted if there are places available.

INTERNATIONAL STUDENTS
This course guide is not intended for international students. International students should contact UTS: International international.uts.edu.au for relevant information. Applicants who are not citizens or permanent residents of Australia or citizens of New Zealand must apply as International Students directly through UTS International.

Application closing dates:
First semester 2015: 15 December, 2014
For details on international student fees, visit: uts.edu.au/international/prospective/studying/fees

Tel outside Australia: (+61 3) 9627 4816
Freecall within Australia: 1800 774 816
Email: international@uts.edu.au
Web: uts.edu.au/international

English language proficiency
Proof of English proficiency at IELTS 7.5 or equivalent if medium of instruction at undergraduate level was not in English.

PLEASE NOTE: International students must meet the Pharmacy Board of Australia “English Language Skills Standard” upon graduation.
For details, see: pharmacyboard.gov.au/Registration-Standards.aspx

If your previous studies were undertaken overseas and FULLY in the medium of English, a letter from the home institution on university letterhead to confirm that you have completed the course in the English medium is required.

Research Degrees
Applications for research degrees should be made through UTS: Graduate Research School.
For more information visit: gsh.uts.edu.au/research
Research Degree Scholarships

UTS: GSH offers a range of scholarships to support outstanding research students who are seeking to undertake a PhD. The scholarships listed below are specific to the discipline of Pharmacy:

- Australian Postgraduate Award (APA) or equivalent (local students)
- UTS Research Excellence Scholarship (local students)
- International Research Scholarship (IRS) (International students)

[uts.edu.au/future-students/health-gem](uts.edu.au/future-students/health-gem)

At a broader university level, there may be additional scholarships open to all students regardless of their discipline. To view and search all scholarships, prizes and awards offered by UTS please visit:

[uts.edu.au/study/scholarships](uts.edu.au/study/scholarships)

For more information on UTS: Research scholarships please visit:

[uts.edu.au/future-students/scholarships](uts.edu.au/future-students/scholarships)

Fees

The GSH offers both Commonwealth Supported and Full Fee Paying places across disciplines.

For further information on fees visit: [sau.uts.edu.au](sau.uts.edu.au)

Research Degrees

Research Degree fees for local students are covered by the Australian Government’s Research Training Scheme.

FEE-HELP

FEE-HELP is a government loan scheme that assists eligible local students to pay their tuition fees. Visit [studyassist.gov.au for details](studyassist.gov.au).

Using FEE-HELP means you do not have to pay for your tuition fees up front. You can inform your employer that you have a FEE-HELP loan and they will withhold your payments through the PAYG tax system. If your postgraduate degree is related to your employment, your tuition fees may be tax deductible. For more information, contact your financial adviser or the Australian Tax Office (ATO) [ato.gov.au](ato.gov.au)

For information about FEE-HELP please contact:
Tel: 1800 020 108 or [studyassist.gov.au](studyassist.gov.au)

For further information, please contact the UTS Student Centre:
Tel: 1800 ASK UTS Web enquiries: [uts.edu.au/askuts](uts.edu.au/askuts)
FIND OUT MORE
gsh.uts.edu.au

COME TO AN INFO SESSION
For details about our next info session,
visit gsh.uts.edu.au