

About the University of Melbourne

The University of Melbourne's Faculty of Medicine, Dentistry and Health Sciences, a leader in biomedicine in Australia, is located at the centre of one of the world's most concentrated biomedical research precincts, close to Medical Research Institutes, tertiary referral hospitals with University Departments of clinical medicine and private sector biomedical businesses. The Faculty is renowned for the breadth and depth of its research, the application of this research to clinical practice and public health, and the development of new and innovative treatments to reduce mortality and improve quality of life.

Application and Enrolment

Students are required to submit a formal entry application with supporting documentation by the closing date for the program they wish to attend. Generally applications close 4 weeks prior to subject delivery.

Fees

Fees for 2010 are \$2,200 per 12.5 point subject

The costs include:

- All course materials and assessment
- Access to online databases required
- Morning and afternoon tea and lunch on each day of teaching

Time Commitment

Each 12.5 subject involves approximately 24 hours of lectures. In addition to face-to-face teaching time, students should expect to undertake a minimum of 120 hours research, reading, writing assignments and general study to complete this subject successfully.

Professional Development Only

It is possible to attend each subject on a professional development basis only. However, GST applies to the cost of all non-award programs. Please contact us for details.

More Information

For information on University enrolment, please contact the Program Manager.

PROGRAM MANAGER

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For further information please go to our website www.mccp.unimelb.edu.au/courses/specialisations

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DISCLAIMER

The information in this brochure was correct at the time of printing. The University reserves the right to make changes as appropriate. Changes may be made to such things as course content and presenters. Students will be advised of changes as soon as practical.

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THE UNIVERSITY OF
MELBOURNE



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2010

Graduate Programs in Clinical Research

Knowledge & Innovation. Your career and our future health depend on it.

In the last decade alone, there have been substantial advances in clinical research and medicine.

- An anti-cancer vaccine was developed to prevent cervical cancer caused by human papillomaviruses
- A vaccine for the prevention of nicotine addiction has been developed and is well advanced in clinical testing
- Gene therapy and stem cell treatments have entered clinical evaluation
- Researchers have demonstrated the potential to 'grow' transplantable human organs
- New genes were identified in breast cancer and leukaemia
- Advances in keyhole surgery with the non-invasive removal of a kidney via the navel
- The emergence of epigenetics – studying inheritable changes in appearance or gene expression without related changes in the DNA
- Research is well developed for a bionic eye and other intelligent prostheses

However, there remain some substantial challenges and opportunities

- Globalisation of chronic diseases – as western habits are taken up by the developing world, so are the diseases
- The continued obesity epidemic, with associated health issues, including diabetes and heart disease
- Implementing screening programs for cancer that identify the disease and assist in increasing long term survival and quality of life

Graduate studies in clinical research will equip you to participate in projects that will solve some of these challenges

- Begin a career in clinical research with a Professional Certificate to introduce some of the fundamental skills
- Expand your skills by completing the core subjects and choosing from the large range of electives in your specialist area
- If you are already an experienced clinical researcher, jump straight into advanced training in one of our Specialist Certificates



clinical research noun & verb

a component of medical and health research that focuses on acquiring knowledge that can be used to improve the understanding of human disease to aid in the prevention and treatment of illness and for promoting good health.



Are you ready to meet the challenges of the next decade?

Career Development Programs

The University of Melbourne's Graduate Programs in Clinical Research offer an integrated program that begins with the Professional Certificate which introduces fundamental concepts and understanding in Clinical Research. Students wishing to further develop their knowledge and skills in Clinical Research can undertake further studies towards the Graduate Certificate, Graduate Diploma or Masters in Clinical Research.

These courses are offered full time and part-time and are taught in intensive blocks throughout the year. Some subjects have specific entry requirements which can be found at www.mccp.unimelb.edu.au/courses/specialisations.

Professional Certificate	Successful completion of the two Foundation Subjects
Graduate Certificate	Successful completion of the subjects required for the Professional Certificate PLUS the two Core Subjects
Graduate Diploma	Successful completion of the subjects required for the Graduate Certificate PLUS 50 points of study selected from the electives
Masters	Successful completion of the subjects required for the Graduate Diploma PLUS either: (i) Completion of the Clinical Research Minor Thesis, or (ii) Completion of the Clinical Research Project plus an additional 25 points of study selected from the electives

Foundation Subjects	<ul style="list-style-type: none"> • Basic Clinical Research Tools 12.5 points • Study Design in Clinical Research 12.5 points
Core Subjects	<ul style="list-style-type: none"> • Ethics and Responsibilities of Clinical Research 12.5 points • Managing Clinical Research Projects and Teams 12.5 points
Electives	<ul style="list-style-type: none"> • Clinical Research in Oncology 25 points • Biomedical Research Management 25 points • Applied Analysis of Clinical Trials 12.5 points • Good Clinical Practice 12.5 points • Clinical Trial Site Coordination 12.5 points • Clinical Trial Site Establishment 12.5 points • Clinical Trial Site Monitoring 12.5 points • Clinical Trial Site Management 12.5 points • Clinical Neuroscience Research 12.5 points • Neuroimaging for Clinical Research 12.5 points • Clinical Neuroscience Research & Imaging 25 points
Projects	<ul style="list-style-type: none"> • Clinical Research Project 25 points • Clinical Research Minor Thesis 50 points

Advanced Specialist Courses

The University of Melbourne has developed a series of advanced courses in Clinical Research. The Specialist Certificates are taught by our research leaders and provide advanced studies in specific fields of clinical research. Designed for working professionals and taught in intensive blocks, the University's Specialist Certificates are a great way to learn the latest trends and meet the clinical research experts in your chosen field.

Biomedical and Clinical Research	Providing advanced training for Researchers, Clinicians and Industry Specialists to more effectively manage research. This is more than project management – it's all about learning how to take control of your project and your people to achieve the best outcome.
Neurosciences	Learn the latest research methodologies for neurological disorders and discover emerging disease mechanisms. See how the latest techniques in brain imaging and neurophysiology can be applied to solve clinical dilemmas in the neurosciences.
Oncology	Clinical research in oncology is an enormous field that integrates the efforts of a broad multi-disciplinary team. Improve your understanding of the breadth of research in oncology and explore the ethical and legal considerations relevant to clinical research in oncology. Learn the many different outcomes assessed by oncology clinical trials, including how and why these might differ from other disciplines.
Clinical Trials Monitoring	If you are a Clinical Research Associate (CRA) and you want to improve your skills to allow you to more effectively monitor and manage investigational trial sites, you should enrol in the Specialist Certificate in Clinical Research (Clinical Trials Monitoring). This course will provide you with the information, requirements, techniques, tips and inside knowledge you need to allow you to develop your capabilities from clinical trial monitoring to the project management of investigational trial Sites.
Clinical Trials Coordination	If you are a new study coordinator and you've learnt your trade on the job, you should enrol in the Specialist Certificate in Clinical Research (Clinical Trials Coordination). This course will provide you with the information, requirements, techniques, tips and inside knowledge you need to effectively coordinate and manage trials at your investigational site and to take your trial form HREC submission to managing multi-centred studies for a range of clinical trials.

Entry Requirements

All of our Graduate Courses in Clinical Research require prospective students to meet the following entry requirements:

- Have an undergraduate degree or equivalent qualification in medicine, nursing, an allied health profession, science or social science which is recognised by the University of Melbourne
- Provide documented evidence of at least the equivalent of one year of full-time relevant professional work experience in a medical, scientific or allied health environment
- Meet the English language requirements of the University of Melbourne
- In addition, some subjects and courses have additional requirements. See www.mccp.unimelb.edu.au/mcr for individual course and subject details.