



## MONASH SCIENCE PhD

[monash.edu/science/research/  
graduate-research](http://monash.edu/science/research/graduate-research)



The Faculty of Science at Monash University in Melbourne, Victoria, Australia is a **vibrant, dynamic and world-renowned community** at the forefront of **innovation and discovery**.

We embrace the theoretical and the experimental. Our research intersects with industry and government. Our scientists play a leading role on the national and international stage, collaborating with major institutions and industries around the world.

Fundamental to our vision is the training of future researchers and leaders who make a vital contribution to the Australian and global economies.

Our students are supervised, nurtured and mentored by scientists who are leaders of their disciplines – we are preparing our graduates to think big and make an impact.

The Faculty of Science is home to approximately 6500 students across the Clayton campus and Monash Malaysia, and comprises six schools and six research centres.



# THE SCIENCE MONASH DOCTORAL PROGRAM

## A PhD designed to prepare you for the future

The Science Monash Doctoral Program combines the proud tradition of an original research project with innovative professional development training that will equip you for success in academia, industry, government or community after graduation.

Complete your research project with excellence, develop a broad range of skills and professional attributes to make an impact. As a university with strong international academic and industry networks you will also develop key contacts and partnerships that will enrich your study and enhance your career.

## Rankings and reputation

The Times Higher Education and QS World University Rankings has consistently ranked our Schools of Biological Sciences, Chemistry, Mathematical Sciences and Earth, Atmosphere and Environment within the top 100, including a position in the Times Higher Education top 100 for the School of Physics and Astronomy in 2017. Our academics' high-impact research has contributed to Monash University's Number 1 ranking in the prestigious Nature Index.



**RANKED  
TOP 100**

**SCHOOLS OF**

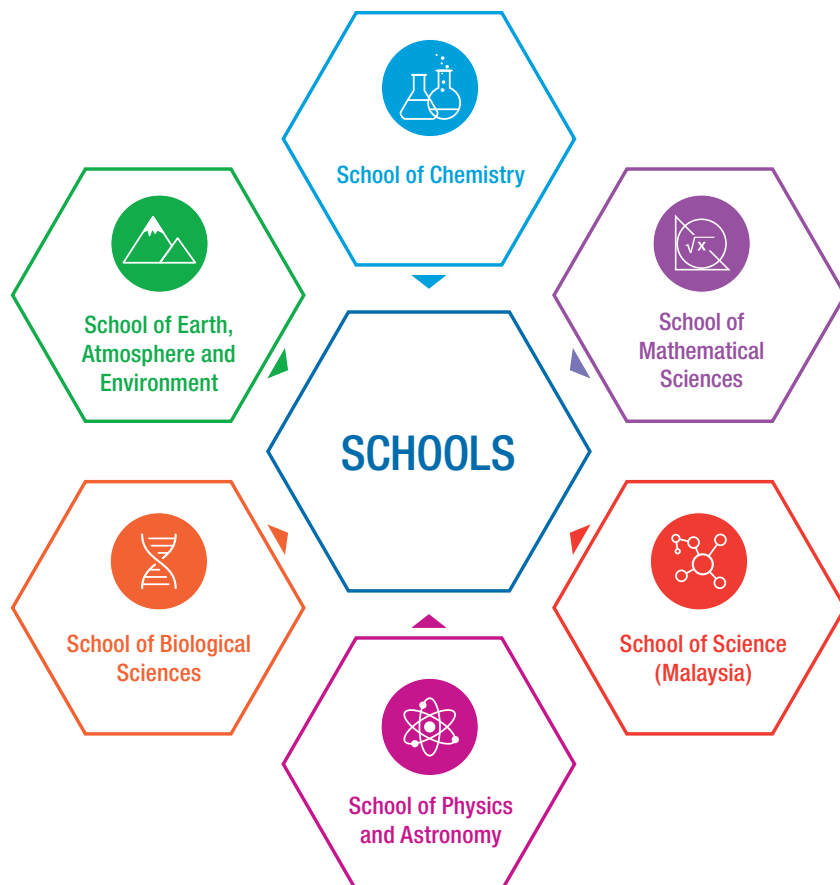
- **BIOLOGICAL SCIENCES**
- **CHEMISTRY**
- **MATHEMATICAL SCIENCES**
- **EARTH, ATMOSPHERE  
AND ENVIRONMENT**
- **PHYSICS AND ASTRONOMY**

(The Times Higher Education and QS World University Rankings)



# MONASH SCIENCE — A RESEARCH POWERHOUSE

The Faculty's research is at the forefront of innovation and discovery. Our researchers have been involved in some of the biggest scientific outcomes in the world.



## Research centres

- Centre for Quantitative Finance and Investment Strategies
- Centre for Atomically-Thin Materials
- Centre for Geometric Biology
- Monash Academy for Cross and Interdisciplinary Mathematical Applications
- Centre for Modelling of Stochastic Systems
- ARC Centre of Excellence in Future Low-Energy Electronics Technologies

## Research strengths

- Energy and Materials
- Genetics, Genomics and Health
- Environmental Change and Adaptation
- Evolution of Life, Earth and the Universe
- Solutions for a Big Data World
- Synthesis for Function
- Mathematical, Networks, Space and Symmetry
- New ways of Seeing and Understanding the World

For more information visit:

[monash.edu/science/research/our-research-strengths](https://monash.edu/science/research/our-research-strengths)

### Find a supervisor

Match your research interest with our graduate research supervisors:

[monash.edu/science/research/graduate-research/find-a-supervisor](https://monash.edu/science/research/graduate-research/find-a-supervisor)



# A SCIENCE PRECINCT OF DISTINCTION

We offer a world-class research environment that showcases a wide spectrum of science including:

- The **Hutton-Westfold Observatory** which allows you to observe stars and distant galaxies that are 10,000 times fainter than what can be seen with the naked eye.
- The 3-hectare **Jock Marshall Reserve**, a world-class teaching and research ecological sanctuary integrated with the latest technology.
- The **Monash Micro Imaging** facility offers a range of advanced optical microscopes, microscopy support and analytical software across three precincts.
- The **Green Chemical Futures** building, a multidisciplinary innovation hub dedicated to supporting sustainable chemistry research and activities within the chemicals manufacturing sector.
- The **Monash Earth Sciences Garden** is a 'living' geological map comprises a stunning arrangement of nearly 500 rock specimens, weighing up to 14 tons, laid out to represent a pattern of rock outcrops and set amongst beautiful native plants representing each geographical region of Victoria.
- The **New Horizons Centre**, a \$175M research and training complex bringing together an incredible array of talent, state-of-the-art equipment and specialised infrastructure to generate and develop new ideas across disciplines in physics, astrophysics, engineering, mathematics, IT and biosciences.





# HOW TO APPLY

## Are you ready to join a community with a proud tradition of research excellence?

Follow the steps below to apply for PhD admission and/or scholarship.

### 1. Discover the Science PhD:

- [monash.edu/study/courses/find-a-course/2019/science-0057](https://monash.edu/study/courses/find-a-course/2019/science-0057)

### 2. Check you eligibility, do you meet the entry requirements?

- A bachelor's degree requiring at least four years of full-time study in a relevant field, and which normally includes a research component in the fourth year, leading to an honours 1 (80% and above) or 2A (70 – 79%) in a relevant field;
- A course leading to a level rated by the the university, faculty and committee as equivalent to an honours 1 (80% and above) or 2A (70 – 79%) in a relevant field;
- A master's degree that entails work, normally including a significant research component of at least 25% of one full-time equivalent year of work, including a thesis. It is normally expected that a grade of honours 2A (70 – 79%) has been obtained for the research thesis or project. Where ungraded, examiners' reports will be taken into account; or
- Qualifications which in the opinion of Graduate Research Committee are deemed equivalent.

### English language proficiency (ELP)

You'll need sound English language skills for graduate research.

If your first language is not English (i.e. originate from a country where English is not the official primary language), the ELP must be satisfied in at least one of the following ways:

- Language of instruction
- English test
- Monash English Bridging (MEB) Program

For more information [monash.edu/graduate-english-language](https://monash.edu/graduate-english-language)

- IELTS:  
6.5 overall and no other band less than 6.0
- TOEFL iBT:  
79 overall, 21 writing, 13 reading, 12 listening, 18 speaking
- PEARSON TEST OF ACADEMIC ENGLISH:  
58 + communicative score 50
- CAMBRIDGE ENGLISH:  
176 + no skill below 169

### 3. Find your research area and a supervisor

- Research strengths [monash.edu/science/research/our-research-strengths](https://monash.edu/science/research/our-research-strengths)
- Supervisors [monash.edu/science/research/graduate-research/find-a-supervisor](https://monash.edu/science/research/graduate-research/find-a-supervisor)

### 4. Receive an invitation to apply

- Once you have found your supervisor, identify the School they are located in and complete the Expression of Interest process to receive an invitation to apply.

For more information visit:  
[monash.edu/science/research/graduate-research/how-to-apply](https://monash.edu/science/research/graduate-research/how-to-apply)



## 5. Apply for a research program and a scholarship

- Applications for admission to a research degree can be made at any time.
- Candidates applying for research scholarships need to submit an application as per the following dates.
- Prospective candidates apply for entry into a research degree online using the online application form at [monash.edu/graduate-research/future-students/apply](https://monash.edu/graduate-research/future-students/apply)

### Scholarship application dates

Round	Applicant type	Applications open	Applications close	Enrolment period
1	International	1 September	31 March	July – December of the current year
2	Domestic	1 November	31 May	July – December of the current year
3	International	1 April	31 August	January – June of the following year
4	Domestic	1 June	31 October	January – June of the following year

### Research proposal

You will be required to submit a research proposal as part of your application. The research proposal should be developed in consultation with the potential supervisor who will support your application. Details of the proposal are not critical at this stage and the project can change or evolve if you are accepted. A research proposal should address the following:

- What is the topic area?
- What has motivated your interest in this particular area?
- What field or fields of knowledge does it engage?
- What are the key questions to be explored?
- What are the aims of the project?
- What methodologies and materials will be involved?
- What are the proposed outcomes of the research?



### Prepare your documentation

When completing your application, you'll be asked to upload copies of documents which include:

- Academic curriculum vitae
- Academic transcripts, including a key to grades for your course
- Personal details page of your passport
- Proof of meeting the English language proficiency requirements
- Invitation to apply; and
- Research proposal

## 6. Applications are assessed

Applications will be assessed and approved by the Graduate Research Committee, and the faculty and academic unit in which you will be enrolled. Applications for admission can take up to six weeks to be processed.

### Contact us

Faculty of Science Research Office  
T: +61 3 9905 8870  
[sci-gradresearch@monash.edu](mailto:sci-gradresearch@monash.edu)

**Science graduate research** [monash.edu/science/research/graduate-research](https://monash.edu/science/research/graduate-research)

**International students** [monash.edu/study/international](https://monash.edu/study/international)

**Science Online** [monash.edu/science](https://monash.edu/science)

**Monash Science on Twitter** @Monash\_Science

**Monash Science on Instagram** @monashscience

**Monash Science Facebook** @MonashUniScience

**Monash Science YouTube** [youtube.com/ScienceMonashUni](https://youtube.com/ScienceMonashUni)