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The information in this brochure was correct
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MONASH SCIENCE



**Monash University
is the largest
university in Australia,
and amongst the
most highly regarded
in the world.**

In the 50 or so years since our founding, Monash has built a reputation for quality teaching, world-leading research, and an inspiring learning culture. We're a member of the prestigious Group of Eight Universities, and ranked in the **top one percent of universities worldwide.**

The Faculty of Science — one of the original Monash faculties — has been central to **the Monash success story.**

Our long history of industry collaboration, our culture of innovation, our state-of-the-art facilities (many of which have won architectural awards) have attracted some of the brightest minds in the world.

As one of the premier Science faculties in Australia and in the world, Monash Science has an outstanding reputation for both teaching and research.

We are ranked the best university in Australia for Chemistry.*

The Times Higher Education World University Rankings has ranked our Schools of Biological Sciences, Chemistry, Mathematical Sciences, Physics and Astronomy within the top 100.

And our academics' high-impact research has contributed to Monash University's Number 1 ranking in the prestigious Nature Index.

* Academic Ranking of World Universities, 2015, QS World Rankings 2017

The Faculty is home to approximately 6500 students across the Clayton campus and Monash Malaysia, and is made up of six schools and a number of research centres.

OUR SCHOOLS

- > School of Biological Sciences (Clayton)
- > School of Chemistry (Clayton)
- > School of Earth, Atmosphere and Environment (Clayton)
- > School of Mathematical Sciences (Clayton)
- > School of Physics and Astronomy (Clayton)
- > School of Science (Malaysia).

RESEARCH STRENGTHS

- > Energy and materials
- > Genetics, genomics and health
- > Environmental change and adaptation
- > Evolution of the Earth and Universe
- > Solutions for a big data world
- > Synthesis for function
- > Mathematical networks, space, and symmetry
- > New ways of seeing and understanding the world

RESEARCH CENTRES

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

OUR STATE-OF-THE-ART FACILITIES

Facility highlights include:

- > Hutton-Westfold Observatory
- > Monash Micro Imaging
- > Jock Marshall Reserve
- > Green Chemical Futures
- > New Horizons Centre
- > Monash Earth Sciences Garden

Take a virtual tour of the Science precinct at:
www.youtube.com/watch?v=f2qBYBAK1I0&feature=youtu.be

We have invested over **\$200 million** to transform the Clayton-based Science Faculty into one of the **leading science precincts in the Southern hemisphere.**



Our passion, expertise and talented staff have created **a vibrant and inclusive Faculty** that is committed to the advancement of human knowledge and to expanding the scope of opportunities for the next generation of scientists.



We are at the forefront of innovation and discovery in biology, chemistry, physics, mathematics and earth, atmospheric and environmental sciences.

We embrace the theoretical and the experimental and our research traverses industry and government. We play a leading role on the national and international stage and work with partner institutions and industries worldwide.

Fundamental to our vision is the training of graduates who will make a vital contribution to the Australian and global economies.

Our students are taught, nurtured and mentored by scientists who are leaders of their disciplines and we are preparing them to think big and make an impact.

From environmental sustainability and global biodiversity, to human, animal and plant health.

From the development of transformative new materials and technologies to a deeper understanding of the building blocks of our planet, our researchers are helping tackle issues of global significance.

We offer succinct and specialised courses at the undergraduate and postgraduate levels.

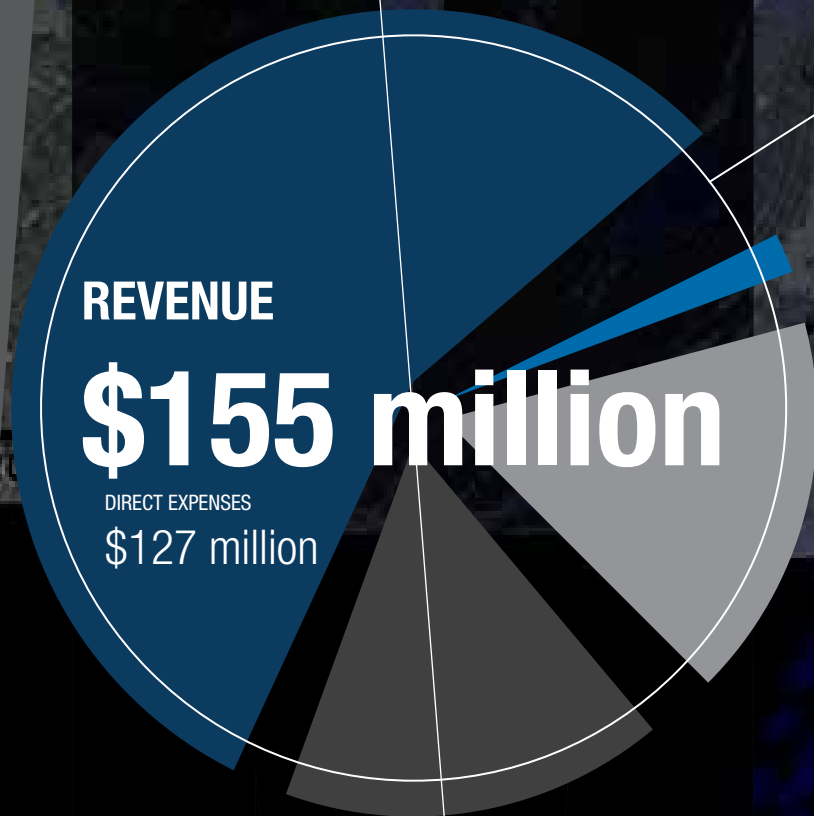
In addition to the Bachelor of Science, and the Bachelor of Science - Advanced Research (Honours), in recent years we have introduced the Bachelor of Science Advanced – Global Challenges (Honours), which combines a science degree with entrepreneurial training.

We have also introduced four new master's degrees in:

- > Financial Mathematics
- > Environment and Sustainability
- > Mathematics
- > Science

We also offer:

- > Doctor of Philosophy
- > Doctor of Science
- > Master of Philosophy
- > Master of Science (Research)



Key statistics

COMMONWEALTH GOVERNMENT GRANTS

\$91 million

COMMERCIAL INCOME

\$5 million

RESEARCH INCOME

\$26 million

STUDENT FEES

\$25 million

Total staff (FTE) in 2017:

292
ACADEMIC

136
PROFESSIONAL

Total Faculty Australian student enrolments:

HIGHER DEGREE BY RESEARCH

540

6500

UNDERGRADUATE & POSTGRADUATE

The Faculty of Science has produced a number of notable graduates who are **leaders in their field** including:

- > **GREG AYERS**
Former Director of the Australian Bureau of Meteorology
- > **PETER CAREY**
Booker prize-winning novelist (1988 and 2001)
- > **DAMIAN CONWAY**
Computer scientist and author
- > **HUGH EVANS**
Young Australian of the Year (2004), co-founder of Oaktree Foundation and co-founder of Global Poverty Project
- > **TIM FLANNERY**
Writer, scientist and Australian of the Year (2007)
- > **GAIL GAGO**
South Australian Minister for Employment, Higher Education and Skills, Minister for Science and Information Economy, Minister for the Status of Women, Minister for Business Services and Consumers
- > **LAUREN HEWITT**
Former elite track and field sprinter
- > **GEOFF HUNT**
Retired world-champion squash player
- > **ELLIOT KOTEK**
CCO and co-founder of Not Impossible
- > **PAUL MCNAMEE**
Sports administrator and retired professional tennis player
- > **JOHN THWAITES**
Former Deputy Premier of Victoria, former Minister for Environment and Water and former Minister for Climate Change
- > **ANNA WILSON**
Victorian Barrister and former Olympic cyclist

The Faculty structure

