



MONASH
University

MONASH
MEDICINE
NURSING AND
HEALTH SCIENCES

MASTER OF BIOTECHNOLOGY

HARNESS TECHNOLOGY TO SOLVE MEDICAL CHALLENGES

Biotechnology revolutionises how we tackle global health issues, like combating disease, understanding our genetic makeup and controlling our body's regenerative potential. Our new Master of Biotechnology integrates biotechnology and entrepreneurship and equips you with the skills and knowledge to work in one of Victoria's fastest growing sectors

Learn from world leaders at the Australian Regenerative Medicine Institute (ARMI), the country's only research institute specialising in regeneration and stem cells. You'll get hands-on training in medical biotechnology, and opportunities to apply your skills in an industry placement or research project.

Monash is home to the vibrant Science Technology Research and Innovation Precinct, neighbored by CSIRO and the Australian Synchrotron. During your course you will study in this biotechnology hub, with access to cutting-edge labs and research technologies including FishCore, the largest zebrafish facility in the Southern Hemisphere.

In the Master of Biotechnology you will:

- Explore the processes involved in funding research and translating biotechnological products from lab to life
- Develop entrepreneurial skills to create, fund and pitch innovative business ideas
- Discover emerging technologies in medical research and regenerative medicine
- Work alongside ARMI researchers and experience biomedical research in action.

COURSE STRUCTURE

PART A	PART B
Core biotechnology focuses on building knowledge and hands-on skills in contemporary biotechnology topics. (48 points)	Application studies gives you the choice of a three or six month industry placement*, or a research project, and explore coursework electives. (48 points)
All students complete Part A. Depending on your prior qualifications, you may receive credit for Part B. You may be eligible to exit early with a Graduate Diploma in Biotechnology if the award requirements have been met.	

To find out more about which subjects you'll study in the Master of Biotechnology, visit study.monash

*You'll need to achieve at least a 70% average in first year to be eligible for an internship.

Course code

M6030

Study mode

On-campus (Clayton)

Intakes

Second semester: July

First semester: February (from 2019)

Durations

Full time: 2 years

Part time: 4 years



"Monash is core to Australia's reputation for biomedical innovation. Advances in regenerative medicine, state of the art platforms, placements with industry and proximity to world class partners have established the University as the centre of Victoria's rapidly expanding biotechnology hub."

Professor Margaret Gardner AO
President and Vice-Chancellor





INDUSTRY PLACEMENT

As part of your degree, you'll have the opportunity to complete a three or six month industry placement with a pharmaceutical, medical device, life science or regulatory organisation.

Experience the challenges of commercialising biotechnology products and gain the relevant skills and experience to work in competitive industrial environments. Through your industry placement, you'll make important connections and build your future career networks.

RESEARCH

Monash is recognised globally for research excellence. As part of the Master of Biotechnology you can choose to undertake a research project in regenerative medicine or medical biotechnology, where you'll be matched with an expert supervisor.

Completing the research stream can be used as a pathway to a PhD.

CAREER OPPORTUNITIES

Melbourne is a global hub of biotechnology, home to over 70% of Australia's top biotech companies*. Our graduates will be ready to pursue work in a range of areas, including:

- Biotechnology companies and start-ups
- Medical device companies
- Patents offices
- Pharmaceuticals
- Regenerative medicine
- Regulatory agencies.

WHY CHOOSE MONASH?

- Ranked #41 in the world for Clinical, Preclinical and Health Sciences (Times Higher Education 2016/17)
- Our Faculty has partnered with organisations like Pfizer CTI, Janssen, Roche and Merck Sharpe & Dohme to improve health across the globe.

*Source: melbourne.vic.gov.au



"Learn from some of the world's leading biotechnology innovators and benefit from first hand industry knowledge of pharmaceuticals and medical device technologies. Join us at Monash and contribute to the advancement of world-first science."

Peter Currie
Course Coordinator and Director,
Australian Regenerative Medicine
Institute

LEARN MORE

For further information about the Master of Biotechnology, including entry requirements, fees and scholarships, visit study.monash or contact:

FUTURE STUDENT ENQUIRIES

T 1800 MONASH or + 61 3 9903 4788 (international)

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