



# MASTER OF BIOTECHNOLOGY

## TRANSLATE YOUR IDEAS INTO HEALTHCARE INNOVATIONS

Biotechnology revolutionises how we tackle global health issues, like combating disease, understanding our genetic makeup and harnessing our body's regenerative potential.

Our Master of Biotechnology integrates biotechnology and entrepreneurship, equipping 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) and get hands-on training in medical biotechnology and opportunities to apply this to an industry placement or research project.

Monash is home to a vibrant technology precinct, neighboured by CSIRO and the Australian Synchrotron. Be part of this biotechnology hub, with access to cutting-edge labs and research platforms.

### 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
- Complete practical training in medical biotechnology including genomics, sequencing, bioinformatics and imaging
- Work alongside ARMI researchers and experience biomedical research in action.

### Course code

M6030  
CRICOS code 095646J

### Study mode

On-campus (Clayton)

### Intakes

**First semester:** February  
**Second semester:** July

### Durations

**Full time:** 2 years  
**Part time:** 4 years

## COURSE STRUCTURE

PART A	PART B
<p>Core biotechnology studies</p> <p>Build your knowledge and skills in contemporary biotechnology and its applications. You'll explore areas such as creativity and entrepreneurship, commercialisation, medical biotechnology and advanced genetics.</p>	<p>Application studies</p> <p>Put your theory into practice, with the choice of a six-month industry placement and coursework electives, or a research project.</p>

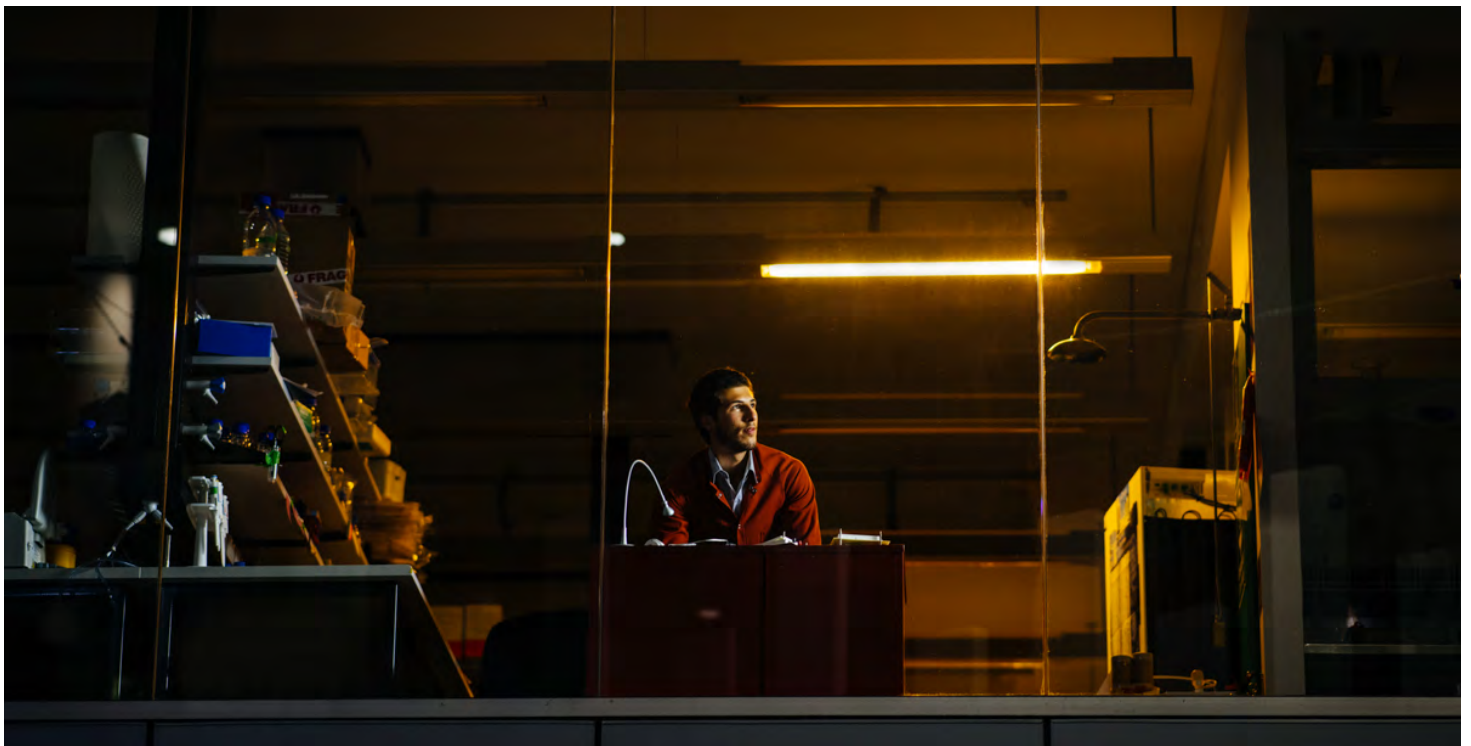
To find out more about what you'll study in the Master of Biotechnology, visit [monash.edu/study/course/m6030](http://monash.edu/study/course/m6030)

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.



*"I completed my internship at Seqirus, as a research intern in technical development. My project at Seqirus focused on the safety of the vaccines the company manufactured. This was the most rewarding aspect of the degree, and the internship enhanced my communication and professional skills."*

**Lavanya Vasudeva Murthy**  
Master of Biotechnology student



## INDUSTRY PLACEMENT

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

- Cartherics
- Sequirus
- Specialised Therapeutics
- Western Health

Through your industry placement, you'll build your future career networks.

## RESEARCH

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

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

### LEARN MORE

For further information about the Master of Biotechnology, including entry requirements, fees and scholarships, visit [monash.edu/study/course/m6030](https://monash.edu/study/course/m6030) or contact:

### FUTURE STUDENT ENQUIRIES

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

**E** [future@monash.edu](mailto:future@monash.edu)

[monash.edu/medicine](https://monash.edu/medicine)

## MONASH TECHNOLOGY PRECINCT

The Monash Technology Precinct is one of the largest and most diverse technology and innovation clusters in the world. It brings together clinical, scientific and technical expertise and is home to a thriving biotech and medtech ecosystem. This enables Monash and our partners to drive the development of new devices and therapies to improve patient care.

## CAREER OPPORTUNITIES

Our graduates can pursue work in a range of areas, including:

- Biotechnology companies and start-ups
- Medical device companies
- Medical or pharmaceutical sales
- Patents offices
- Pharmaceutical companies
- Regenerative medicine
- Regulatory agencies.



*"I completed a nine-month research project investigating bacteriophages for preventing infection in burn wounds. This helped me decide what sort of career I wanted. I'm now working at a well-known pharmaceutical company and enjoying the hands-on laboratory experience within an industry position."*

### Luisa Kietly

Quality control analyst and Master of Biotechnology graduate (2020)

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