

# Master of Science (Biotechnology)

[swinburne.edu.au/international](http://swinburne.edu.au/international)

Specifically designed for students who already have a degree in basic biological or chemical sciences – including botany, zoology, chemistry, biochemistry, microbiology, agriculture or veterinary science – but little prior education in biotechnology, the Master of Science (Biotechnology) aims to provide advanced education in the theory and practice of biotechnology.

The course aims to provide in-depth studies in the key areas of biotechnology. It includes studies in molecular biology, bioinformatics, medical, industrial, forensic and agricultural biotechnology, and the diverse applications of these areas.

## Course snapshot

Duration	Two years full-time
Campus	Hawthorn (Melbourne)
Fees	A\$34,960*
Intakes	March, August

\*Fees displayed are relevant to 2019 and are subject to annual review. Fees are based on a student's study load in each semester. Please see website for more.

## Career outcomes

The course is designed to prepare students for diverse types of employment or research-based careers, or for further advanced education. Graduates may consider careers as medical laboratory scientists, scientific officers or research and development scientists, food technologists, quality assurance officers, occupational health and safety officers, associates to patent attorneys, or staff with science publishers.

## Entry requirements

- A recognised bachelor degree in science
- English language proficiency (please see website for details)

## Scholarship opportunities

Scholarships of up to 25 per cent off tuition fees are available for selected students who apply for and begin this two-year master by coursework program. For more on scholarships, visit [swinburne.edu.au/international/scholarships](http://swinburne.edu.au/international/scholarships)

## Why Swinburne?

A world-ranked university in Melbourne, Australia, Swinburne is focused on creating careers. Upon graduation, our students are career-ready professionals who regularly find employment with the world's best companies, including PricewaterhouseCoopers, IBM, Siemens, Mercedes-Benz and more.

Swinburne is proud to be recognised as one of the world's top universities under 50 years, ranked number 45 in the 2019 QS Top 50 Under 50

Situated in Hawthorn, just ten minutes by train from Melbourne's city centre, Swinburne boasts shops, cafes and a train station right on its doorstep. With high-quality teaching and research, state-of-the-art facilities, student accommodation options and a range of support services, Swinburne is the ideal choice for students.

## Industry connections

For over 50 years, Swinburne University of Technology has been partnering with leading organisations to offer students practical learning and authentic workplace experiences. Our postgraduate programs are co-designed with industry, and many of our students undertake industry-linked projects or projects with their own employers as part of their studies.



*Melbourne is a fabulous city to study and live in. I love the atmosphere around the Hawthorn campus, there are always many things to do. I also love how Melbourne is so multicultural, the food and the street art. Do not hesitate – go for it! You will enjoy your study journey here.*

**Nadin from Libya**

Studied Master of Science (Biotechnology)

creative  
innovative  
different

KNOW  
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## Course overview

Students must complete units of study as follows:

- 10 biotechnology core units (as below)
- 6 elective units or 5 elective units including the Major Research Project

## Specialisations

### Core biotechnology units of study

- The Microbial World
- Concepts of Biotechnology
- Biotechnology of Genes and Proteins
- Environmental Biotechnology
- Biotechnology
- Minor Research Project
- Advanced Topics in Biotechnology
- Advanced Topics in Biotechnology II
- Research Methods in Science
- Advanced Biochemistry

### Elective units of study

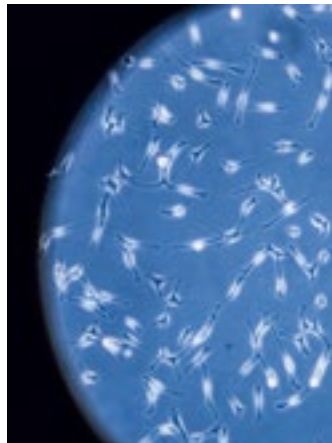
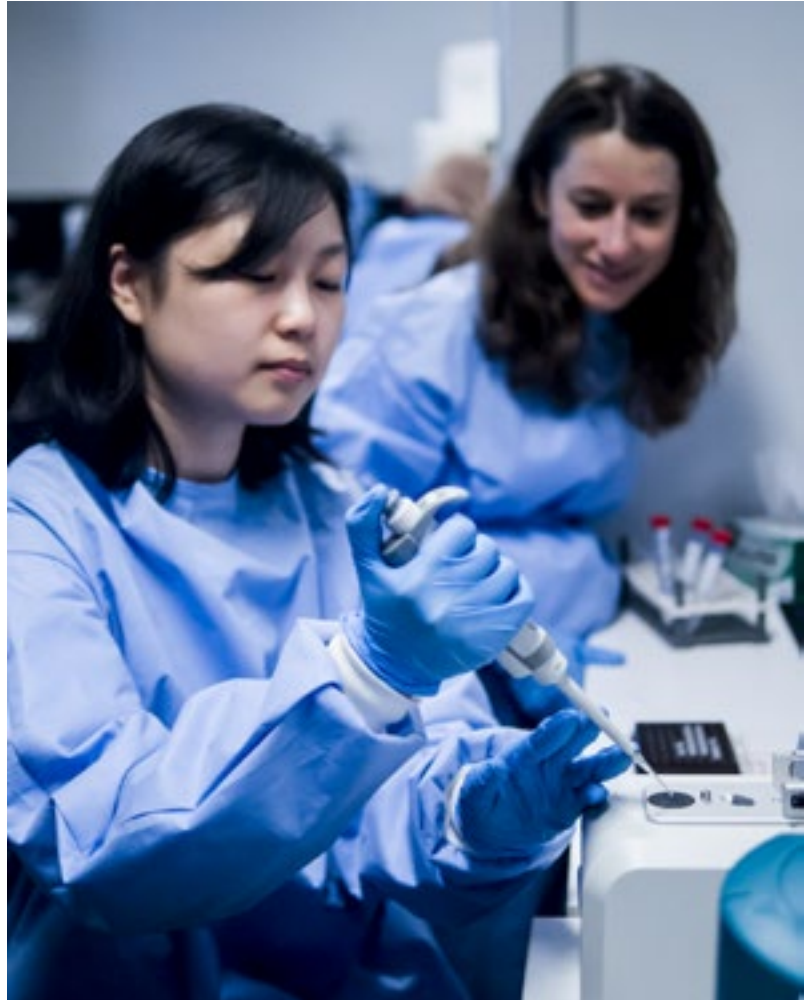
- Microbes in the Environment
- Forensic and Analytical Science
- Environmental Management
- Research Skills
- Communicable Disease Control
- Statistical Practice 1
- Critical Thinking
- Applications of Bioinformatics
- Major Research Project<sup>^</sup>

<sup>^</sup>Students who complete this unit are required to complete only four further elective units of study.

## Professional recognition

Graduates will be eligible to apply for membership of a number of professional associations and societies, in fields such as biotechnology, biochemistry, microbiology and genetics. These professional associations and societies may include:

- AusBiotech Ltd
- Genetics Society of AustralAsia
- Australian Society of Biochemistry and Molecular Biology
- Australian Society for Microbiology



## How to apply

Visit our website for step-by-step application instructions: [www.swinburne.edu.au/international/apply/](http://www.swinburne.edu.au/international/apply/)

## More information

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1300 275 794 (within Australia)  
[international@swinburne.edu.au](mailto:international@swinburne.edu.au)  
[swinburne.edu.au/science](http://swinburne.edu.au/science)

The information contained in this flyer was correct at the time of publication, September 2018. The university reserves the right to alter or amend the material contained in this flyer. For the most up-to-date course information, please visit our website.