

# School of Applied Sciences



## Undergraduate programs Single Bachelor degrees

- **Applied Chemistry**

Theory plus hands-on laboratory expertise, with emphasis on advanced analytical methods and options in advanced medicinal, material and environmental chemistry.

- **Applied Physics**

For creating new-generation advanced sensors, transducers, instruments and devices that interface advanced physics with computer technology.

- **Applied Sciences**

You choose yourself what you want to study from the wide selection of courses. Especially suitable if other programs don't meet your needs or you are considering a career in science teaching.

- **Biological Sciences**

Modern biosciences from molecular, cellular, organism and ecological viewpoints, including cell and tissue culture, aquaculture, ecotoxicology, and molecular agriculture.

- **Biotechnology**

Includes genetic engineering, industrial microbiology, molecular agriculture, bioinformatics, biotechnology business and law.

- **Consumer Science**

Enables you to design and promote and advise on safe and attractive consumer chemical and food products.

- **Environmental Science**

Multidisciplinary, with a wide range of choices, for multi-skilled environmental professionals.

- **Food Science: Food Technology and Nutrition**

Integrates nutrition knowledge into the science and technology of food production to meet demands of safe, healthy and nutritious food products.

- **Nanotechnology**

A new and exciting area, now with choice of studies in advanced physical, chemical or biological applications of nanotechnology.

- **Occupational Health and Safety**

Integrates theory and practical knowledge of Occupational Health & Safety as applied to a variety of work environments. Includes work experience and is offered in the City campus.

- **Physics**

Concentrates on modern physics, especially theoretical, quantum and nuclear physics, physics of advanced materials, fields, holography and photonics.

- **Scientific Photography**

Produces expert specialists in a wide range of technical photography and imaging, combining scientific and creative skills.

## Double Bachelor Degrees

- Applied Chemistry and Management
- Applied Chemistry and Chemical Engineering
- Applied Physics and Electrical Engineering
- Biotechnology and Chemical Engineering
- Environmental Science and Management
- Environmental Science and Environmental Engineering
- Environmental Science and Social Science
- Food Science and Chemical Engineering

## Dual Awards

- Applied Physics and Applied Language
- Applied Physics and Professional Writing

## Postgraduate programs

### *Honours Degrees*

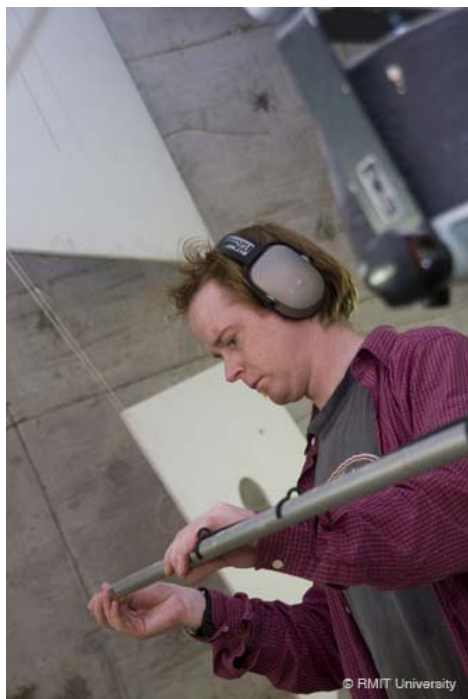
- Applied Biology/Biotechnology
- Applied Chemistry
- Applied Physics
- Environmental Science
- Food Science
- Occupational Health and Safety
- Photography

### *Master by Coursework, Graduate Diploma and Graduate Certificate*

- Analytical Chemistry
- Biomolecular Technologies & Bioinformatics
- Biotechnology
- Biotechnology & Business
- Clinical Microbiology
- Environmental and Agricultural Biotechnology
- Food Microbiology
- Food Science & Technology
- Occupational Health and Safety

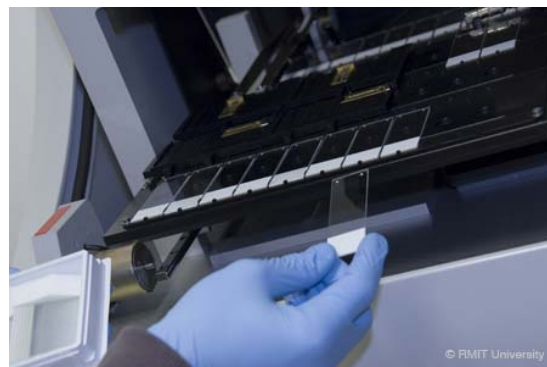
### *Master by Research, Doctor of Philosophy*

- Applied Biology/Biotechnology
- Applied Chemistry
- Applied Physics
- Environmental Science
- Food Science
- Medical Physics
- Occupational Health and Safety
- Photography



## Key Research Areas

- Advanced Technologies (Advanced Materials, Genetic Engineering, Plant Genomics, Agricultural Technologies, Biomaterials, Industrial science & technology, Composites and Polymers, Alumina Technology)
- Biotechnology & Microbiology (Molecular Biology, Virology, Pathogenesis & Diagnostics, Mycology, Vaccines, Plant Biotechnology, Bioprocessing, Bioinformatics, Microarrays)
- Environmental Sustainability (Geophysics, Biofuels, Ecotoxicology, Bioremediation, Aquaculture, Water Pollution, Soil Environment)
- Food Science & Nutrition
- Molecular & Analytical Sciences (Separation Science, Catalysis, Chemometrics, Spectroscopy, Molecular Modelling and Simulation)
- Nanoscience (Nanomaterials, Nanocharacterisation, Theoretical Nanotechnology)



### Further Information

School of Applied Sciences

Building 3, Bowen St

RMIT City Campus

**Tel:** +61 3 9925 3880

**Fax:** +61 3 9639 1321

**Email:** [science@rmit.edu.au](mailto:science@rmit.edu.au)

[www.rmit.edu.au/applied-sciences](http://www.rmit.edu.au/applied-sciences)