Master of Biotechnology and Business
Graduate Diploma in Bioinformatics
Graduate Diploma in Biomolecular Technologies

RMIT Science, Engineering Technology
RMIT Business
A global focus on innovation and converging technologies

The Master of Biotechnology & Business links scientific skills in the life sciences with business expertise relevant to biotechnology management, technology transfer and the commercialisation of research product.

The program is presented by academic and research staff from RMIT SET and RMIT Business and by experts from major biotechnology organisations and service providers in Australia. RMIT SET and RMIT Business have a strong research base which underpins all courseware. A high level of research and industry participation keeps the program continuously responsive to the rapidly developing technology and business environments and to changing needs in the global health science industry.

Benefits to graduates

The MBB is designed for professionals working in biotechnology or related organisations and offers graduates

- advanced scientific knowledge and skills in emerging specialist biotechnology areas
- a strategic and international perspective of science in a business environment
- current and relevant business knowledge and practices applicable in the global biotechnology industry
- broad networks with academic, research and industry communities

Graduates would be suitably prepared for careers in the public and private sectors of the health sciences and biotechnology industries where multi-disciplinary abilities would facilitate working at the interfaces of technology, the regulatory environment, government and business. Graduates would also be equipped with a sound basis for entrepreneurial self-employment.

Program features

- Flexible selection of scientific and business courses
- Face-to-face learning with research and industry experts and peers for enhanced knowledge transfer
- Business management courses may be credited for an RMIT Master of Business Administration (MBA)
- Evening classes in convenient CBD locations.

Program details

The MBB is offered to local and international on-shore students on a full-time (18 months) or part-time (3 years) basis with February and July entry. Classes are conducted on weekday evenings (and sometimes weekends) at CBD locations.

All courses are elective (12 Credit Points) and run for one semester (13 – 15 weeks) in continuous or block mode. Some courses are available in the spring/summer term.

Entrance requirements

Successful applicants are normally required to have

- Bachelor’s degree from a recognised institution in an area of science or in business/engineering/computing science disciplines
- minimum of 3 years relevant full-time work experience after graduation
- good communication skills in written and spoken English

Selection is based on qualifications, experience and interview.

Completion requirements

Master of Biotechnology and Business MC 129
12 courses (144 Credit points) comprising 4 to 7 science courses plus 5 to 8 management courses

Graduate Diploma in Biotechnology & Business GD 129
8 courses (96 Credit points) comprising 3 or 4 science courses plus 4 or 5 management courses

Graduate Certificate in Biotechnology & Business GC 074
4 courses (48 Credit points) comprising 2 science courses and 2 management courses

Students may select any combination of approved courses meeting the degree completion requirements.
# Master of Biotechnology & Business (MC129)

## Program Structure

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<td>MATH 1324</td>
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<td>MATH 1302</td>
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MBB Student Dr. Michael Abdo.
Graduate Diplomas: Bioinformatics
Biomolecular Technologies

Interdisciplinary technologies are vital to research and development in the areas of human and animal therapeutics, foods and feeds, agricultural production and bionanotechnology. Many of the exciting and challenging developments in the high technology molecular sciences are occurring at the interfaces of traditional discipline areas where new discoveries are made by multidisciplinary collaborations.

These diplomas are unique offerings in the converging technologies preparing students to work in the complementary disciplines of molecular technologies, digital biology, informatics and bionanotechnology. Multiskilled graduates will be equipped to

- exploit emerging technologies
- facilitate cross-disciplinary collaborations
- set new directions for discovery research and product development

The programs are designed for professionals who wish to broaden their scientific, computing and informatics skills and acquire some management skills. Graduates would be suitably prepared for work in the public or private sectors where multi-disciplinary skills would facilitate working at the interfaces of technologies.

The programs offer a flexible choice of courses in converging sciences and technology management and facilitate face-to-face learning with experts and peers. Courses are presented by RMIT academic and research staff and by external experts from research, biotechnology, information technology and bioengineering organisations. Strong industry participation ensures the programs are responsive to the rapidly developing technology environment.

Program details

Both Graduate Diploma programs are offered to local students full time (1 year) or part time (2 years) and to international on-shore students full time (1 year).

Graduate Certificate programs are offered to local students full-time (6 months) or part-time (1 year).

February and July entry is available.

Entrance requirements

Successful applicants are normally required to have

- Bachelor’s degree from a recognised institution in an area of science, computing, engineering, mathematics
- Good communication skills in written and spoken English

Graduate Diploma in Bioinformatics (GD 152)

The Graduate Diploma in Bioinformatics links studies in cell and molecular sciences with studies in computing science. The program is designed to prepare students to work in the complementary discipline areas of gene, protein and cell technologies, computing science and informatics.

Graduate Diploma in Biomolecular Technologies (GD 151)

The Graduate Diploma in Biomolecular Technologies integrates studies in complementary areas of molecular and cell biology. Students are prepared for multidisciplinary work in molecular and cell technologies, chemistry and bionanotechnology.

Further information

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Program Structure

Group A  Biomolecular Technologies

A1
BIOL2102  Gene Technologies
BIOL2226  Protein Technologies
BIOL2323  Cell Technologies
BIOL2118  Advanced Immunology

A2
BIOL2109  Biopharmaceuticals
BIOL2110  Diagnostics and Biotherapies
Any Approved Biotechnology Science Elective

Group B  Bioinformatics and Computing

B1
BIOL2034  Bioinformatics 1
BIOL2119  Computational Biology

B2
COSC2308  Advanced Topics in Bioinformatics
COSC2112  Bioinformatics 2
COSC1231  Computing Fundamentals
COSC1283  Programming Techniques
ISYS1055  Introduction to Database Systems
MATH1302  Design and Analysis of Experiments
Any Approved Computer Science or Mathematics and Statistics Elective

Group C  Biotechnology Management

BUSM2032  Biotechnology: Regulation and Business Law
BUSM2287  Biotechnology: Intellectual Assets Management
BUSM2386  Project Management

Completion requirements

Bioinformatics
Graduate Diploma: 96 credit points comprising 24 from group B1, minimum of 24 from group B2, up to 48 from Groups A1, A2 and C.
Graduate Certificate: 48 credit points: 24 from group B1, 24 from group B2

Biomolecular Technologies
Graduate Diploma: 96 credit points comprising a minimum of 36 from group A1, a minimum of 12 from Group A2, a minimum of 12 from group B1/B2 and 12 from Group C.
Graduate Certificate: 48 credit points comprising a minimum of 24 from group A1 and 24 from Group A2, B1 or B2
Fees
Current program academic fees and special course administration and material fees are available on the program websites www.rmit.edu.au/biotechnology
RMIT Service Fees may be viewed at http://www.rmit.edu.au/programs/fees/servicefees

Single Courses & Industry Short Courses
Biotechnology science and biotechnology management courses may be taken as short courses or as single courses for academic credit. MBA courses may only be undertaken as part of the MBB program.
Application procedures and fees for short courses and single courses are available from RMIT Training at http://cbs.rmit.edu.au.

Academic credit
RMIT recognises previous relevant studies at postgraduate level and may grant credit towards coursework degrees. Academic credit is not granted for professional qualifications and work experience.

February and July entry
All programs have 2 intakes per year

Information sessions
These are held every year, In October for February intake and in May for July intake.
Dates and venues are advertised on the RMIT program websites

How to apply

Local students
Application procedures and closing dates are found at www.rmit.edu.au/admissions/postgrad-coursework#direct
Complete a Direct Application Form
and attach:
Current curriculum vitae
Official transcript of academic qualifications
and academic results

Submit applications to:
RMIT Admissions Office
RMIT, GPO Box 2476V, Melbourne, 3001

International students
Apply through RMIT International
General information and application procedures are available at www.international.rmit.edu.au
Entry requirements are found at http://www.international.rmit.edu.au/info/noosr/entrycountry.asp

Further information
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Visit Biotechnology & Environmental Biology RMIT SET at www.rmit.edu.au/biotechnology
Visit the Graduate School of Business at www.rmit.edu.au/bus/gradschool
Visit the School of Computing Science and Information Technology at www.rmit.edu.au/csit
General information about educational programs and research at RMIT can be found at www.rmit.edu.au